General Catalog 20 25

50Hz

Pompe e motori sommersi
Submersible pumps and motors
Pompes et moteurs submersibles
Bombas y motores sumergibles



metro

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Profilo Aziendale/Company profile

Fondata nel 2013, Metro ha da subito intrapreso un percorso ambizioso, puntando sullo sviluppo di soluzioni innovative nel campo delle pompe industriali a risparmio energetico. Il posizionamento strategico dell'azienda si è basato sull'eccellenza nella qualità e nel servizio, consolidando una forte competitività nel settore.

Metro è impegnata nella ricerca e sviluppo di tecnologie all'avanguardia per l'efficienza energetica delle pompe. Questo approccio si integra in diversi settori, tra cui amministrazioni comunali, agricoltura, chimica, metallurgia, tessile e raffreddamento, con l'obiettivo di ridurre le emissioni e generare valore per un'ampia gamma di settori industriali. L'azienda si distingue per l'impegno nel promuovere la consapevolezza ambientale, ottimizzare le risorse e supportare lo sviluppo sostenibile delle imprese.

Nel corso degli anni, Metro ha costantemente migliorato i propri standard, investendo in ricerca, sviluppo ed esplorazione di nuove frontiere tecnologiche. Grazie alla sua esperienza, ha intrapreso un percorso innovativo nel settore delle pompe centrifughe, delle elettropompe di circolazione intelligenti a frequenza variabile e delle pompe verticali per tubazioni, confermandosi un punto di riferimento nel panorama industriale.

Founded in 2013, Metro immediately embarked on an ambitious path, focusing on the development of innovative solutions in the field of energy-saving industrial pumps. The company's strategic positioning was based on excellence in quality and service, consolidating strong competitiveness in the sector.

Metro is committed to the research and development of cutting-edge technologies for the energy efficiency of pumps. This approach is integrated into various sectors, including municipal governments, agriculture, chemicals, metallurgy, textiles and cooling, with the aim of reducing emissions and generating value for a wide range of industrial sectors. The company stands out for its commitment to promoting environmental awareness, optimizing resources and supporting sustainable development for businesses.

Over the years, Metro has constantly improved its standards, investing in research, development and the exploration of new technological frontiers. Thanks to its experience, it has undertaken an innovative path in the sector of centrifugal pumps, intelligent variable frequency electric circulation pumps and vertical pumps for pipes, confirming itself as a point of reference in the industrial panorama.







Profil de l’entreprise/Perfil de la empresa

Fondée en 2013, Metro s’est immédiatement lancée dans une voie ambitieuse, axée sur le développement de solutions innovantes dans le domaine des pompes industrielles économes en énergie. Le positionnement stratégique de l’entreprise était basé sur l’excellence de la qualité et du service, consolidant ainsi la forte compétitivité du secteur.

Metro s’engage dans la recherche et le développement de technologies de pointe pour l’efficacité énergétique des pompes. Cette approche est intégrée dans divers secteurs, notamment les administrations municipales, l’agriculture, la chimie, la métallurgie, le textile et le refroidissement, dans le but de réduire les émissions et de générer de la valeur pour un large éventail de secteurs industriels. L’entreprise se distingue par son engagement à promouvoir la sensibilisation à l’environnement, à optimiser les ressources et à soutenir le développement durable des entreprises.

Au fil des années, Metro a constamment amélioré ses standards, investissant dans la recherche, le développement et l’exploration de nouvelles frontières technologiques. Grâce à son expérience, elle a entrepris un parcours innovant dans le secteur des pompes centrifuges, des pompes de circulation électriques intelligentes à fréquence variable et des pompes verticales pour canalisations, s’affirmant comme un point de référence dans le panorama industriel.

Fundada en 2013, Metro se embarcó inmediatamente en un camino ambicioso, centrándose en el desarrollo de soluciones innovadoras en el campo de las bombas industriales de bajo consumo. El posicionamiento estratégico de la empresa se basó en la excelencia en calidad y servicio, consolidando una fuerte competitividad en el sector.

Metro apuesta por la investigación y el desarrollo de tecnologías punteras para la eficiencia energética de las bombas. Este enfoque se integra en varios sectores, incluidos los gobiernos municipales, la agricultura, la química, la metalurgia, los textiles y la refrigeración, con el objetivo de reducir las emisiones y generar valor para una amplia gama de sectores industriales. La compañía destaca por su compromiso con la promoción de la conciencia medioambiental, la optimización de los recursos y el apoyo al desarrollo sostenible de las empresas.

A lo largo de los años, Metro ha mejorado constantemente sus estándares, invirtiendo en investigación, desarrollo y exploración de nuevas fronteras tecnológicas. Gracias a su experiencia, ha emprendido un camino innovador en el sector de las bombas centrífugas, las bombas de circulación eléctricas inteligentes de frecuencia variable y las bombas verticales para tuberías, confirmándose como un punto de referencia en el panorama industrial.

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4” MR/MRX 9

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible





4” MR/MRX 18 MSX 10-14-18 31

Pompa sommersa elevata portata
High flow capacity submersible pump
Pompe submersible à haut débit
Bomba sumergible de alta capacidad de caudal





6” MR/MRX 51

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible





6” MS/MSX 69

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal





6” MRS 85

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia





6”-8” MRHX 101

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable

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6”-12” MSX — 141

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox





6”-10” MSC — 193

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido





4” MWX — 231

Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos





4”-12” — 239

Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos





6”-8” — 263

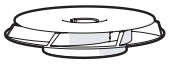
Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos



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Pompe e motori sommersi
Submersible pumps and motors
Pompes et moteurs submersibles
Bombas y motores sumergibles

ELETTROPOMPE SOMMERSE RADIALI
RADIAL ELECTRIC PUMPS
ELECTROPOMPES RADIALES
ELECTROBOMBAS RADIALES



4'' MR / MRX

MR 1	MRX 1	Q: 5 - 35 l/min	H: 21 - 281 m
MR 2	MRX 2	Q: 20 - 60 l/min	H: 15 - 400 m
MR 3	MRX 3	Q: 20 - 90 l/min	H: 12 - 338 m
MR 4	MRX 4	Q: 40 - 100 l/min	H: 12 - 434 m
MR 6	MRX 6	Q: 40 - 160 l/min	H: 10 - 332 m
MR 8	MRX 8	Q: 80 - 200 l/min	H: 4 - 249 m
MR 10	MRX 10	Q: 100 - 250 l/min	H: 9 - 208 m
MR 12	MRX 12	Q: 150 - 300 l/min	H: 4 - 133m

6'' MR / MRX

MR 8	MRX 8	Q: 60 - 180 l/min	H: 22 - 531 m
MR 9	MRX 9	Q: 80 - 240 l/min	H: 19 - 452 m
MR 12	MRX 12	Q: 100 - 300 l/min	H: 34 - 492 m
MR 16	MRX 16	Q: 150 - 400 l/min	H: 18 - 536 m
MR 24	MRX 24	Q: 200 - 600 l/min	H: 5 - 380 m
MR 34	MRX 34	Q: 300 - 800 l/min	H: 8 - 324 m

6'' MRS

MRS 15	Q: 100 - 400 l/min	H: 39 - 295 m
MRS 18	Q: 150 - 500 l/min	H: 29 - 335 m
MRS 24	Q: 200 - 600 l/min	H: 23 - 339 m
MRS 30	Q: 200 - 700 l/min	H: 17 - 367 m

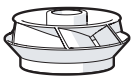
6'' MRHX

MRHX 15	Q: 100 - 400 l/min	H: 7 - 511 m
MRHX 19	Q: 150 - 500 l/min	H: 7 - 494 m
MRHX 24	Q: 200 - 600 l/min	H: 8 - 479 m
MRHX 30	Q: 250 - 700 l/min	H: 8 - 423 m

8'' MRHX

MRHX 32	Q: 200 - 700 l/min	H: 14 - 682 m
MRHX 40	Q: 300 - 900 l/min	H: 12 - 682 m
MRHX 50	Q: 500 - 1100 l/min	H: 13 - 556 m
MRHX 60	Q: 600 - 1300 l/min	H: 12 - 504 m

ELETTROPOMPE SOMMERSE SEMIASSIALI
SEMI-AXIAL ELECTRIC PUMPS
ELECTROPOMPES SEMI AXIALES
ELECTROBOMBAS SEMIAXIALES



4''
MR 18 / MRX 18
MSX 10 - 14 - 18

MR 18	MRX 18	Q: 150 - 400 l/min	H: 2 - 139 m
MSX 10		Q: 50 - 250 l/min	H: 7 – 146 m
MSX 14		Q: 100 - 325 l/min	H: 6 – 129 m
MSX 18		Q: 150 - 450 l/min	H: 6 - 138 m

ELETTROPOMPE SOMMERSE SEMIASSIALI
SEMI-AXIAL ELECTRIC PUMPS
ELECTROPOMPES SEMI AXIALES
ELECTROBOMBAS SEMIAXIALES



6'' MS - 140 MSX

MS 36	MSX 36	Q: 300 - 700 l/min	H: 17 - 386 m
MS 42	MSX 42	Q: 400 - 900 l/min	H: 15 - 302 m

6'' MSX

MSX 34	Q: 300 - 800 l/min	H: 20 - 343 m
MSX 44	Q: 400 - 1000 l/min	H: 26 - 285 m
MSX 54	Q: 600 - 1200 l/min	H: 18 - 227 m
MSX 64	Q: 700 - 1500 l/min	H: 14 - 168 m

8'' MSX

MSX 78	Q: 600 - 1600 l/min	H: 15 - 461 m
MSX 90	Q: 800 - 2000 l/min	H: 13 - 412 m
MSX 102	Q: 1000 - 2400 l/min	H: 13 - 338 m
MSX 124	Q: 1200 - 2800 l/min	H: 12 - 293 m
MSX 140	Q: 1600 - 3200 l/min	H: 12 - 240 m

10'' MSX

MSX 200	Q: 1800 - 4000 l/min	H: 14 - 346 m
MSX 220	Q: 2200 - 4600 l/min	H: 16- 263 m
MSX 240	Q: 2400 - 5200 l/min	H: 24 - 256 m
MSX 280	Q: 2600 - 5800 l/min	H: 16 – 263 m

12'' MSX

MSX 370	Q: 3000 - 7000 l/min	H: 34 - 280 m
MSX 440	Q: 4000 - 9000 l/min	H: 27 - 270 m
MSX 440 A	Q: 4000 - 9000 l/min	H: 32 - 285 m

6''MRC

MRC 34	Q: 300 - 800 l/min	H: 15 - 360 m
MRC 44	Q: 400 - 1000 l/min	H: 10 - 299 m
MRC 54	Q: 500 - 1200 l/min	H: 8 - 250 m
MRC 66	Q: 600 - 1400 l/min	H: 6 - 206 m

8''MRC

MRC 78	Q: 600 - 1600 l/min	H: 11 - 334 m
MRC 90	Q: 800 - 2000 l/min	H: 10 - 332 m
MRC 102	Q: 1000 - 2400 l/min	H: 11- 284 m
MRC 124	Q: 1200 - 2800 l/min	H: 8 - 296 m
MRC 160	Q: 1600 - 3200 l/min	H: 10 - 247 m

10''MRC

MRC 200	Q: 1800 - 3800 l/min	H: 16 - 296 m
MRC 220	Q: 2200 - 4400 l/min	H: 16 - 259 m
MRC 240	Q: 2400 - 5000 l/min	H: 17 - 224 m

DENOMINAZIONE POMPE
PUMP NAME
NOM DES POMPES
NOMBRE DE LAS BOMBAS

4” MR 3 N/16

16 = Numero di stadi
Number of stages
Nombre d'étapes
Número de etapas

3 = Portata al centro curva in m³/h
Capacity to the center of the curve in m³/h
Capacité au centre de la courbe en m³/h
Capacidad hasta el centro de la curva en m³/h

MR = Pompa radiale con mandata e gabbia in ottone
Radial pump with delivery bowl and suction cage in brass
Pompe radiale avec cuve de refoulement et cage d'aspiration en laiton
Bomba radial con cuba de impulsión y jaula de aspiración en latón

MRX = Mandata e gabbia in AISI 304
Delivery bowl and suction cage in AISI 304
Bol de distribution et cage d'aspiration en AISI 304
Recipiente de impulsión y jaula de aspiración en AISI 304

4” = Diametro nominale
Nominal diameter
Diamètre nominal
Diámetro nominal

6” MS 3 N/16

16 = Numero di stadi
Number of stages
Nombre d'étapes
Número de etapas

3 = Portata al centro curva in m³/h
Capacity to the center of the curve in m³/h
Capacité au centre de la courbe en m³/h
Capacidad hasta el centro de la curva en m³/h

MS = Pompa semiassiale con mandata e gabbia in ghisa
Semi-axial pump with delivery bowl and suction cage in cast iron
Pompe semi-axiale avec cuve de refoulement et cage d'aspiration en fonte
Pompa semi-axial con cuve de refoulement y jaula de aspiración en fuente

MSX = Mandata e gabbia in AISI 304
Delivery bowl and suction cage in AISI 304
Bol de distribution et cage d'aspiration en AISI 304
Recipiente de impulsión y jaula de aspiración en AISI 304

6” = Diametro nominale
Nominal diameter
Diamètre nominal
Diámetro nominal

6” MSX 44 /03

03 = Numero di stadi
Number of stages
Nombre d'étapes
Número de etapas

44 = Portata al centro curva in m³/h
Capacity to the center of the curve in m³/h
Capacité au centre de la courbe en m³/h
Capacidad hasta el centro de la curva en m³/h

MSX = Pompa semiassiale in AISI 304 microfuso
Semi-axial pump in AISI 304 Casted
Pompe semi-axiale en fonte AISI 304
Bomba semiaxial en fundición AISI 304

6” = Diametro nominale
Nominal diameter
Diamètre nominal
Diámetro nominal

6” MRHX 32/20

20 = Numero di stadi
Number of stages
Nombre d'étapes
Número de etapas

32 = Portata al centro curva in m³/h
Capacity to the center of the curve in m³/h
Capacité au centre de la courbe en m³/h
Capacidad hasta el centro de la curva en m³/h

MRHX = Pompa radiale - alta efficienza - AISI 304 microfuso
Radial pump - high efficiency - AISI 304 Casted
Pompe radiale - haute efficacité - moulée AISI 304
Bomba radial - alta eficiencia - Fundición en AISI 304

6” = Diametro nominale
Nominal diameter
Diamètre nominal
Diámetro nominal

6” MRC 44/03

03 = Numero di stadi
Number of stages
Nombre d'étapes
Número de etapas

44 = Portata al centro curva in m³/h
Capacity to the center of the curve in m³/h
Capacité au centre de la courbe en m³/h
Capacidad hasta el centro de la curva en m³/h

MRC = Pompa semiassiale in ghisa
Semi-axial pump in cast iron
Pompe semi-axiale en fonte
Bomba semiaxial en fundición

6” = Diametro nominale
Nominal diameter
Diamètre nominal
Diámetro nominal

DENOMINAZIONE MOTORI
ENGINE NAME
NOM DES MOTEURS
NOMBRE DE LOS MOTORES

M 4020 M

- **M** = Monofase / Single phase / Monophasé / Monofásico
- **20** = Potenza elettrica in Hp / Electric power in HP / Puissance électrique en HP / Energía eléctrica en HP
- **4** = Diametro nominale in pollici / Nominal diameter in inches / Diamètre nominal en pouces / Diámetro nominal en pulgadas
- **METRO**

M 4020 T

- **T** = Trifase / Three phase / Triphasé / Trifásico
- **20** = Potenza elettrica in Hp / Electric power in HP / Puissance électrique en HP / Energía eléctrica en HP
- **4** = Diametro nominale in pollici / Nominal diameter in inches / Diamètre nominal en pouces / Diámetro nominal en pulgadas
- **METRO**

MWX 4005 M

- **M** = Monofase / Single phase / Monophasé / Monofásico
- **5** = Potenza elettrica in Hp / Electric power in HP / Puissance électrique en HP / Energía eléctrica en HP
- **4** = Diametro nominale in pollici / Nominal diameter in inches / Diamètre nominal en pouces / Diámetro nominal en pulgadas
- **W** = Componenti compatibili con acqua potabile / Drinking water compatible components / Composants compatibles avec l'eau potable / Componentes compatibles con agua potable
- **METRO**

4”

50Hz

MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Tolleranza alla sabbia 300 g/m³
Sand tolerance 300 g/m³
Tolérance au sable 300 g/m³
Tolerancia de arena 300 g/m³

- Clean
- Civil
- Industry
- Fire
- Agriculture



metro

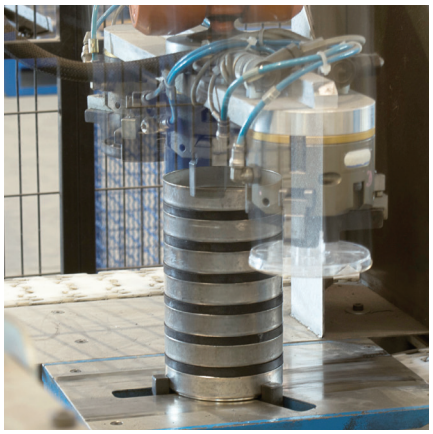
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4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Girante Flottante Brevettata
Assemblaggio robotizzato
Massimo contenuto di sabbia: 300 g/m³

Patented Floating Impeller
Robotized assembly
Maximum sand content: 300 g/m3

Roue flottante brevetée
Assemblage robotisé
Tolérance de sable maximum: 300 g/m³

Rodete Flotante Patentado
Montaje robotizado
Maxima cantidad de arena: 300 g/m3

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B







4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Diffusore in Noryl - Girante in Policarbonato
Elemento e Camicia in AISI 304
4” MR Aspirazione e mandata in ottone
4” MRX Aspirazione e mandata in acciaio inossidabile

Noryl Diffuser - Polycarbonate Impeller
Internal element and pump sleeve in Stainless Steel AISI 304
4” MR Suction cage and delivery bowl in brass
4” MRX Suction cage and delivery bowl in Stainless Steel AISI 304

Diffuseur en Noryl - Roue en Polycarbonate
Élément intermédiaire et chemise en acier inoxydable AISI 304
4” MR Cage d’aspiration et refoulement en laiton
4” MRX Cage d’aspiration et refoulement en acier inoxydable AISI 304

Difusor en Noryl - Rodete en Policarbonato
Elemento intermedio y camisa en acero inoxidable AISI 304
4” MR Cuerpo de aspiración y de impulsión en bronce
4” MRX Cuerpo de aspiración y de impulsión en acero inoxydable AISI 304

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible



ELETTROPOMPE SOMMERSE INTUBATE 4” (SERIE 4” MR N/4” MRX N)

Idonee al pompaggio di acqua pulita (T. max 35°C) in impianti di pressurizzazione , antincendio ed irrigazione, approvigionamento idrico, ad uso civile ed industriale. Riassumono 40 anni di esperienza nella progettazione idraulica di elettropompe.
Il concetto innovativo (brevettato) della girante flottante a rasamento frontale facilita il flusso dell’acqua nella pompa con importanti vantaggi idraulici e funzionali.

VANTAGGI

Massimo rendimento, elevata resistenza all’usura da sabbia
l’ottima qualità dei materiali ed il concetto costruttivo aumenta notevolmente la durata della pompa - riduzione al minimo della manutenzione.

MATERIALI

Materiali in esecuzione standard sono: Girante in tecnopolimero (Lexan) diffusore in tecnopolimero (Noryl GFN2) Elemento intermedio in acciao Inox AISI 304 - Camicia esterna in acciaio inox AISI 304 Mandata e gabbia di aspirazione in ottone o acciaio inox - valvola di ritegno in acciaio inox AISI 304 incorporata. Inoltre, in aggiunta ai materiali della costruzione di serie, le pompe possono essere fornite con mandata e aspirazione in acciaio inox microfuso AISI 304 (SERIE 4” MRX).

CAMPI DI PRESTAZIONE IDRAULICHE

Portate fino a 24 m³/h (con serie elevata portata) Prevalenze fino a 470 m Potenze fino a 10 HP (7,5 Kw)
Massima quantità di sabbia ammessa: 300g/m³ serie 4” MR / 4” MRX (Serie Elevata portata max 50g/m³, 4” MRC - 4” MX - 4” MR 18- 4” MRX 18).

ELECTRIC SUBMERSIBLE PUMPS CASED VERSION 4” (SERIES 4” MR N/4” MRX N)

Pumps suitable for clean water supply (max. water temp. 35°C) for domestic and industrial applications such as pressure boosters, firefighting systems and irrigation. The submersible pumps series 4” MR N /4” MRX N sumarize 40 years experience in hydraulics. The patented know-how of the floating impeller with front shim adjustement enhances the water flow into the pump with important hydraulic and functional advantages.

ADVANTAGES

- High Efficiency
- High wear resistance to sand
- Longer pump life thanks to the high quality of materials and to the specific floating impeller design
- Very low maintenance need

MATERIALS

The materials of standard execution are: Impeller in technopolymer (Lexan) Diffuser in technopolymer (Noryl GFN2) Intermediate casing in Stainless Steel AISI 304 External sleeve in Stainless Steel AISI 304. Delivery bowl and suction cage in brass or stainless steel. Non return valve in Stainless Steel AISI 304 included. Besides standard construction the pumps can be manufacture with the Delivery Bowl and suction cage in casted stainless steel AISI 304 (SERIES 4” MRX).

HYDRAULIC PERFORMANCES

Capacity up to 24 m³/h with the unique High Capacity Series (4” MR 18, 4” MRX 18, 4” MRC 18, 4” MX18). Head up to 470 m Power range up to 7,5 kW-10HP.
Maximum sand content 300 g/m³ of water (High Capacity Series max 50 g/m³ of water, 4” MRC - 4” MX - 4” MR 18, 4” MRX 18).

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible



ELECTROPOMPES IMMERGEES TUBEE 4” (SERIES 4” MR N/4” MRX N)

Pompes pour eaux claires (Temp. Maxi de l’eau: 35°C) dans toutes applications domestiques et industrielles : surpression, pompes d’incendie, irrigation. Les pompes submersibles de la série 4” MR N /4” MRX N résument 40 ans d’expérience dans le domaine de l’hydraulique. Le concept innovateur (Breveté) de la roue flottante favorise le flux de l’eau dans la pompe avec importants avantages hydrauliques et de fonctionnement.

ADVANTAGES

- Haut rendement
- Résistance élevée à l’abrasion du sable
- Durée de vie très importante grâce à la qualité des matériaux et à la conception de la roue flottante
- Manutention réduite

MATERIAUX

Les matériaux d’exécution standard sont: Roue en technopolymère (Lexan) Diffuseur en technopolymère (Noryl GFN2) Elément intermédiaire en Aacier Inox AISI 304 Chemise de blocage en acier inox AISI 304. Pièce de refoulement et cage d’aspiration en laiton ou acier inoxydable. Clapet de retenue en acier INOX AISI 304 incorporé. Outre aux matériaux de construction de série, les pompes peuvent être fournies avec des pièces de refoulement et cages d’aspiration en micro-fusion acier INOX AISI 304 (SERIES 4” MRX).

PERFORMANCES HYDRAULIQUES

Débit jusqu’à 24 m³/h avec la série High Capacity (4” MR 18, 4” MRX 18, 4” MSC 18, 4” MX18).
Hauteur jusqu’à 470 m. Puissances jusqu’à 7,5 kW-10HP.
Quantité de sable jusqu’à 300 g/m³ d’eau (série High Capacity jusqu’à 50 g/m³ d’eau, 4” MSC - 4” MX - 4” MR 18, 4” MRX 18).

ELECTROBOMBAS SUMERGIDAS ENCAPSULADAS 4” (SERIES 4” MR N/ 4” MRX N)

Las bombas sumergibles de la serie 4” MR N /4” MRX N suman 40 años de experiencia en hidráulica.
El concepto innovador del rodete flotante favorece el flujo de agua en la bomba con importantes ventajas hidráulicas y de funcionamiento.

VENTAJAS

- Elevada eficiencias
- Elevada resistencia a la abrasión por arena
- Durabilidad de vida más larga gracias a la calidad de los materiales y al concepto de impulsor flotante
- Manutención mínima

MATERIALES

Los materiales en ejecución estandard son los siguientes: Rodete en technopolymero (Lexan) Difusor en technopolymero (Noryl GFN2). Elemento intermedio en Acero Inoxidable AISI 304. Camisa externa en acero Inoxidable AISI 304. Cuerpo de aspiración e impulsión en bronce o en acero inoxidable. Válvula de retención en acero Inoxidable Aisi 304 incorporada en la impulsion de la bomba. Ademas de los materiales de construcción de serie, las bombas pueden ser fabricadas con el cuerpo de aspiración y el cuerpo de impulsión en micro fundicion de acero inoxidable AISI 304 (SERIES 4” MRX).

PRESTACIONES HIDRAULICAS

Caudal hasta 24 m³/h gracias a la unicidad de la serie High Capacity (4” MR 18, 4” MRX 18, 4” MSC 18, 4” MX18). Altura hasta 470 m. Potencias hasta to 7,5 kW-10HP.
Máxima cantidad de arena hasta 300 g/m³ de agua (serie High Capacity hasta 50 g/m³ de agua, 4” MSC - 4” MX - 4” MR 18, 4” MRX 18).

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 1

Pompa sommersa girante flottante
Submersible pump floating impeller

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

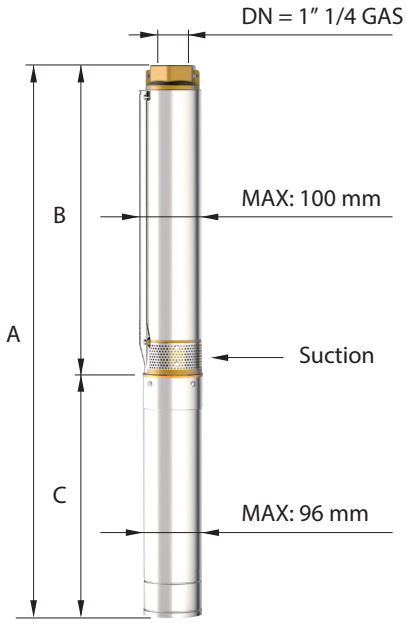
Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A								
						l/min	0	5	10	15	20	25	30	35
						l/sec	0	0,08	0,17	0,25	0,33	0,42	0,50	0,58
						m^3/h	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1
4” MR1 N/08	0,37	0,5	3,5	16	-	H(m)	46	45	44	42	38	33	27	21
4” MR1 N/13	0,55	0,75	4,9	20	1,7		74	73	71	68	62	54	44	33
4” MR1 N/17	0,75	1	6,5	30	2,2		97	96	93	89	81	70	58	44
4” MR1 N/25	1,1	1,5	9,4	40	3		143	141	137	131	119	104	85	64
4” MR1 N/34	1,5	2	11,5	50	4		194	191	187	178	162	141	116	87
4” MR1 N/50	2,2	3	14,7	75	5,7		286	281	274	261	239	207	170	129

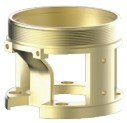
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4”MR1 N/08	683	-	366	317	-	7	-	4
4” MR1 N/13	801	781	464	337	317	8	8	5
4” MR1 N/17	904	879	542	362	337	10	10	6
4” MR1 N/25	1090	1060	698	392	362	12	12	8
4” MR1 N/34	1295	1265	873	422	392	13	13	11
4” MR1 N/50	1652	1637	1185	467	452	15	15	15

Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles







4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 40,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,044

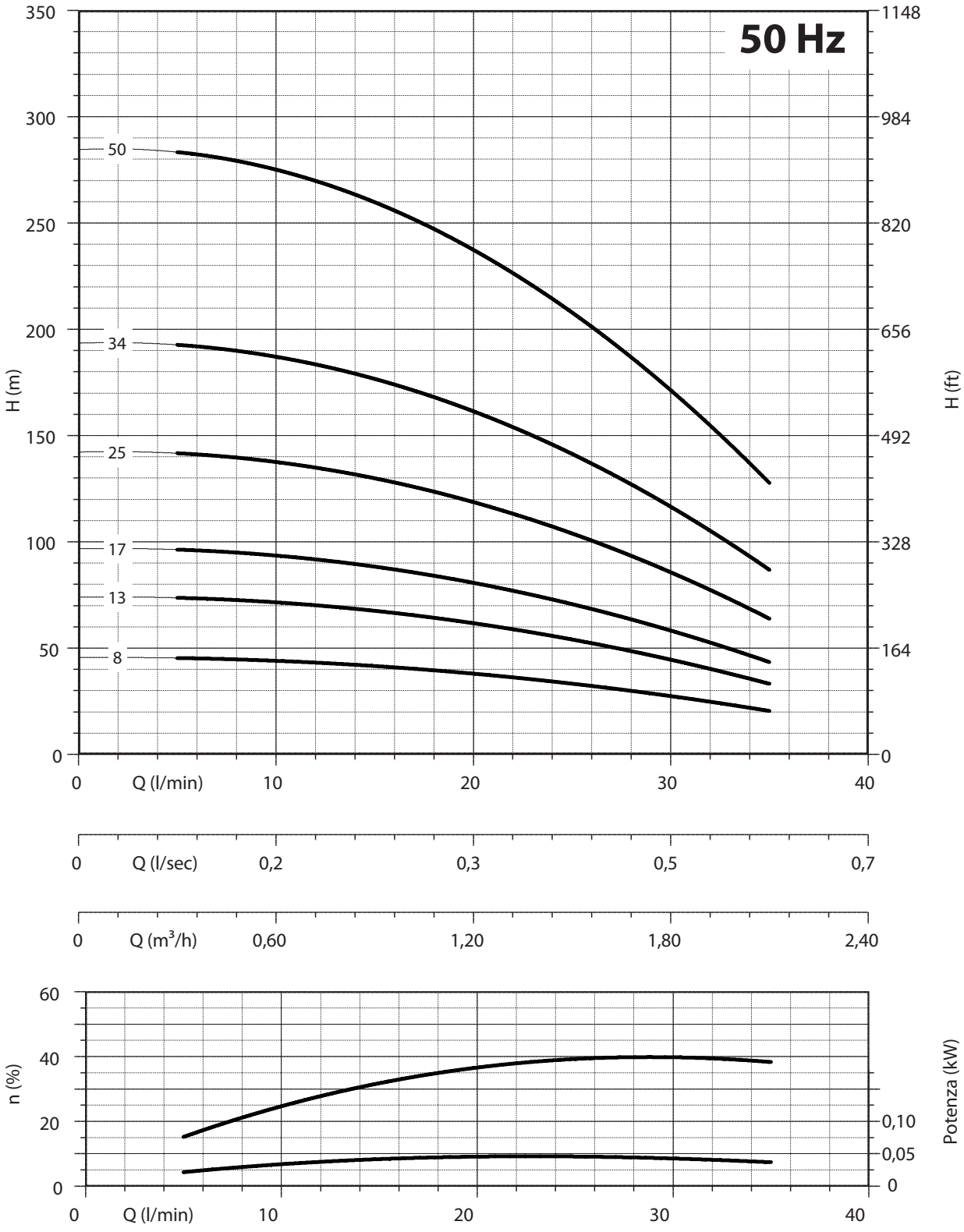
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 1

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 1 4” MRX 1	2	2	2,2	2,7

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 2

Pompa sommersa girante flottante
Submersible pump floating impeller

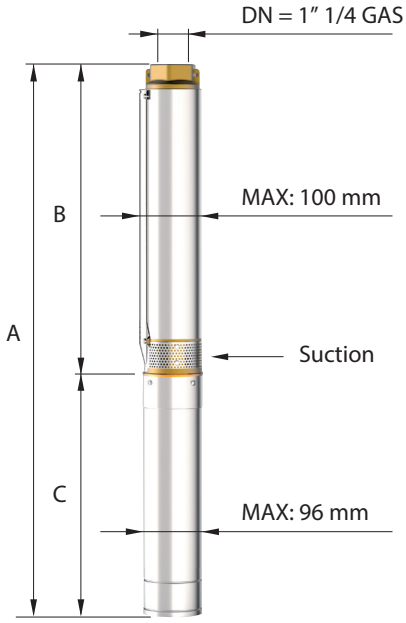
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A							
						l/min	0	20	30	40	50	60
						l/sec	0	0,33	0,50	0,67	0,83	1
						m³/h	0	1,2	1,8	2,4	3,0	3,6
4” MR2 N/07	0,37	0,5	3,5	16	-	H(m)	46	40	36	31	24	15
4” MR2 N/10	0,55	0,75	4,9	20	1,7		66	57	52	44	35	22
4” MR2 N/14	0,75	1	6,5	30	2,2		92	80	73	62	49	31
4” MR2 N/21	1,1	1,5	9,4	40	3		138	120	109	93	73	46
4” MR2 N/28	1,5	2	11,5	50	4		184	160	145	124	97	61
4” MR2 N/41	2,2	3	14,7	75	5,7		269	234	213	182	143	90
4” MR2 N/56	3	4	-	-	7,4		368	320	291	248	195	123
4” MR2 N/70	4	5,5	-	-	10		460	400	363	310	243	153

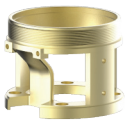
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Single Phase V 230	A mm Three Phase V 400	B mm	C mm Single Phase V 230	C mm Three Phase V 400	M Kg Single Phase	M Kg Three Phase	P Kg
4” MR2 N/07	681	-	364	317	-	7	-	4
4” MR2 N/10	767	747	430	337	317	8	8	5
4” MR2 N/14	880	855	518	362	337	10	10	6
4” MR2 N/21	1064	1034	672	392	362	12	12	7
4” MR2 N/28	1248	1218	826	422	392	13	13	9
4” MR2 N/41	1579	1564	1112	467	452	15	15	12
4” MR2 N/56	-	1999	1442	-	557	-	19	16
4” MR2 N/70	-	2347	1750	-	597	-	22	20



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 56 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,053

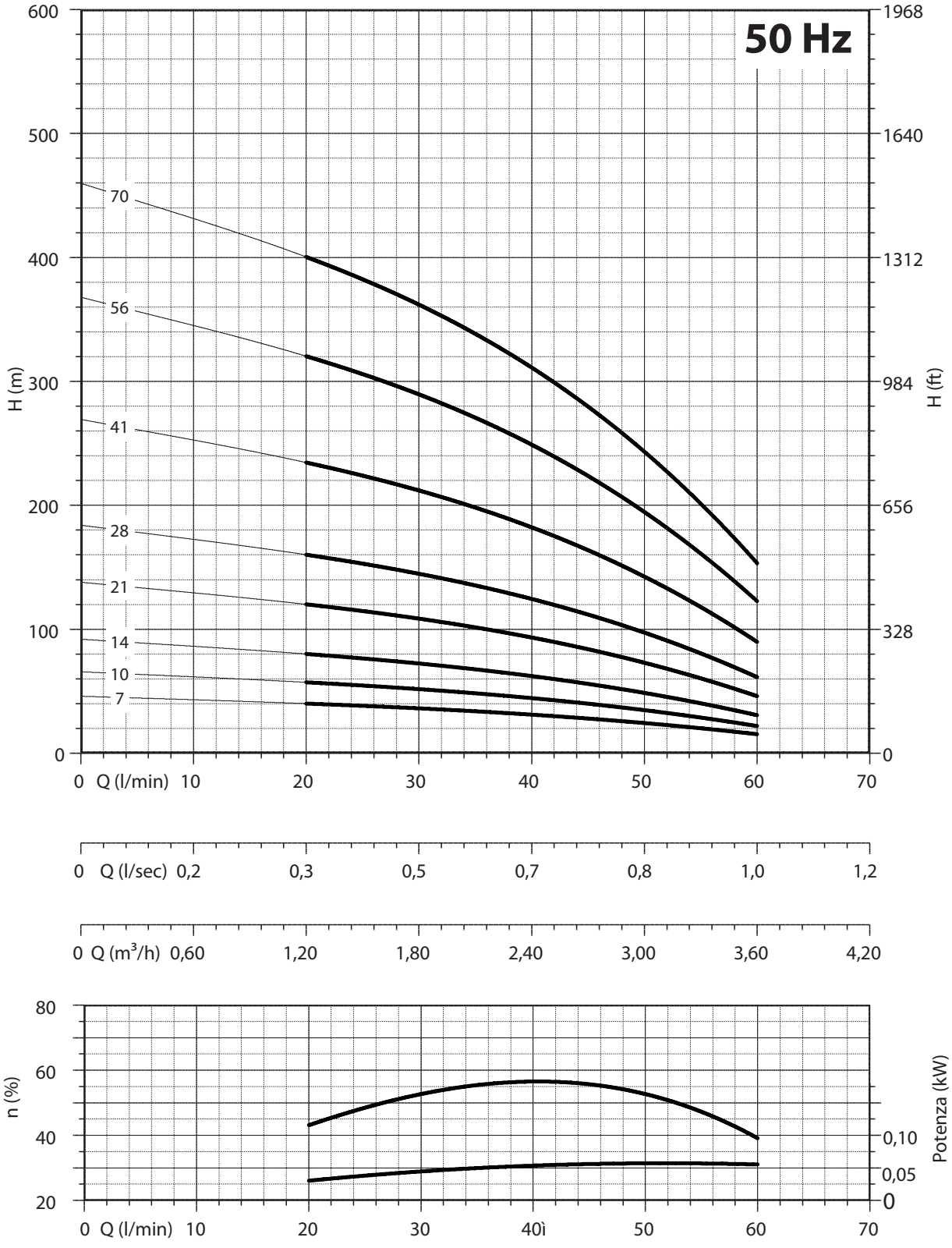
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 2

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 2 4” MRX 2	2	2	2,5	3,2

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 3

Pompa sommersa girante flottante
Submersible pump floating impeller

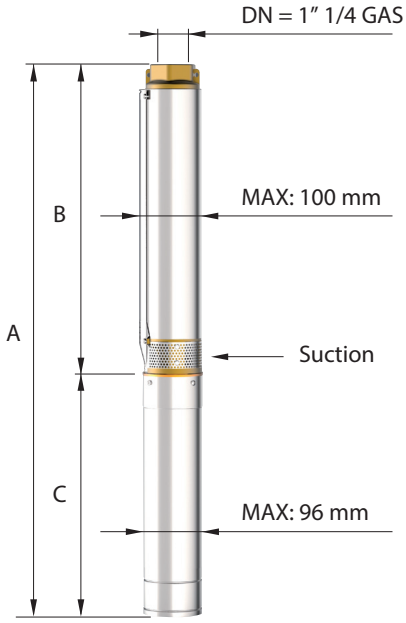
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A									
						l/min	0	20	30	40	50	60	70	80	90
						l/sec	0	0,33	0,50	0,67	0,83	1	1,17	1,33	1,50
						m³/h	0	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4
4” MR3 N/07	0,55	0,75	4,9	20	1,7		46	46	44	41	37	32	27	20	12
4” MR3 N/10	0,75	1	6,5	30	2,2		66	65	63	59	53	46	38	28	18
4” MR3 N/14	1,1	1,5	9,4	40	3		93	91	88	82	74	65	53	39	25
4” MR3 N/20	1,5	2	11,5	50	4	H(m)	133	130	126	118	106	93	76	56	35
4” MR3 N/29	2,2	3	14,7	75	5,7		192	189	183	170	154	134	111	82	51
4” MR3 N/39	3	4	-	-	7,4		258	254	246	229	207	180	149	110	68
4” MR3 N/52	4	5,5	-	-	10		345	338	328	306	276	241	198	146	91

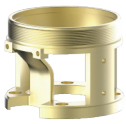
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MR3 N/07	701	681	364	337	317	8	8	4
4” MR3 N/10	792	767	430	362	337	10	10	5
4” MR3 N/14	910	880	518	392	362	12	12	6
4” MR3 N/20	1072	1042	650	422	392	13	13	7
4” MR3 N/29	1315	1300	848	467	452	15	15	10
4” MR3 N/39	-	1625	1068	-	557	-	19	12
4” MR3 N/52	-	1951	1354	-	597	-	22	16



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 64%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,076

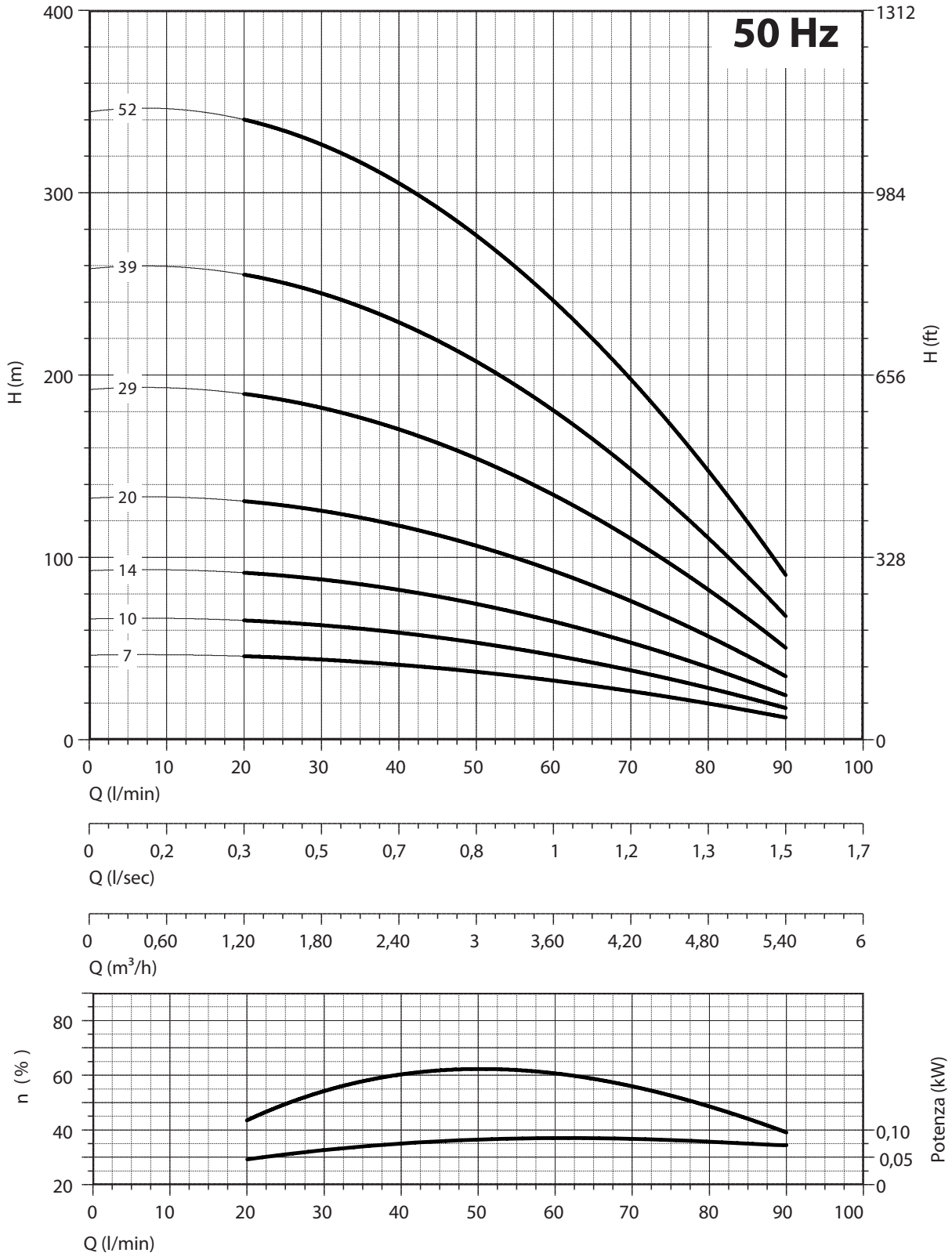
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 3

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 3 4” MRX 3	2	2	2,5	3,2

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 4

Pompa sommersa girante flottante
Submersible pump floating impeller

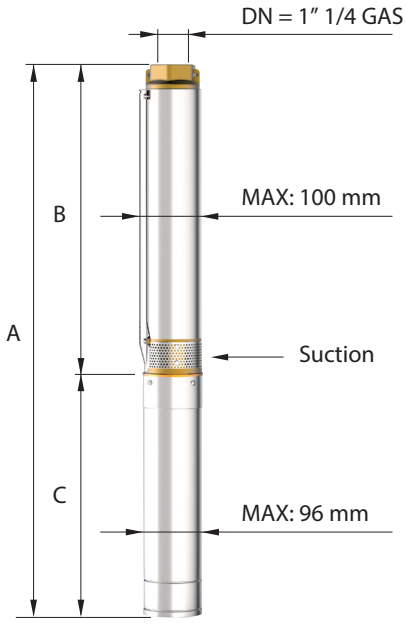
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A									
						l/min	0	40	50	60	70	80	90	100
						l/sec	0	0,67	0,83	1,00	1,17	1,33	1,50	1,67
						m³/h	0	2,4	3	3,6	4,2	4,8	5,4	6
4” MR4 N/06	0,55	0,75	4,9	20	1,7		41	38	36	34	30	25	19	12
4” MR4 N/08	0,75	1	6,5	30	2,2		55	51	49	45	40	34	26	17
4” MR4 N/12	1,1	1,5	9,4	40	3		83	77	73	68	60	50	38	25
4” MR4 N/16	1,5	2	11,5	50	4		110	102	97	90	80	67	51	33
4” MR4 N/23	2,2	3	14,7	75	5,7	H(m)	158	147	139	129	115	96	73	47
4” MR4 N/32	3	4	-	-	7,4		220	204	194	180	160	134	102	66
4” MR4 N/42	4	5,5	-	-	10		289	268	255	236	210	176	134	87
4” MR4 N/52	5,5	7,5	-	-	13,5		358	332	315	293	260	218	166	107
4” MR4 N/68	7,5	10	-	-	18		468	434	412	383	340	285	217	140

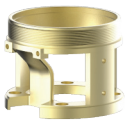
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MR4 N/06	679	659	342	337	317	8	8	4
4” MR4 N/08	748	723	386	362	337	10	10	4,5
4” MR4 N/12	866	836	474	392	362	12	12	6
4” MR4 N/16	984	954	562	422	392	13	13	7
4” MR4 N/23	1183	1168	716	467	452	15	15	9
4” MR4 N/32	-	1471	914	-	557	-	19	12
4” MR4 N/42	-	1731	1134	-	597	-	22	15
4” MR4 N/52	-	2052	1354	-	698	-	27	18
4” MR4 N/68	-	2524	1706	-	818	-	32	23



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 63,5 %

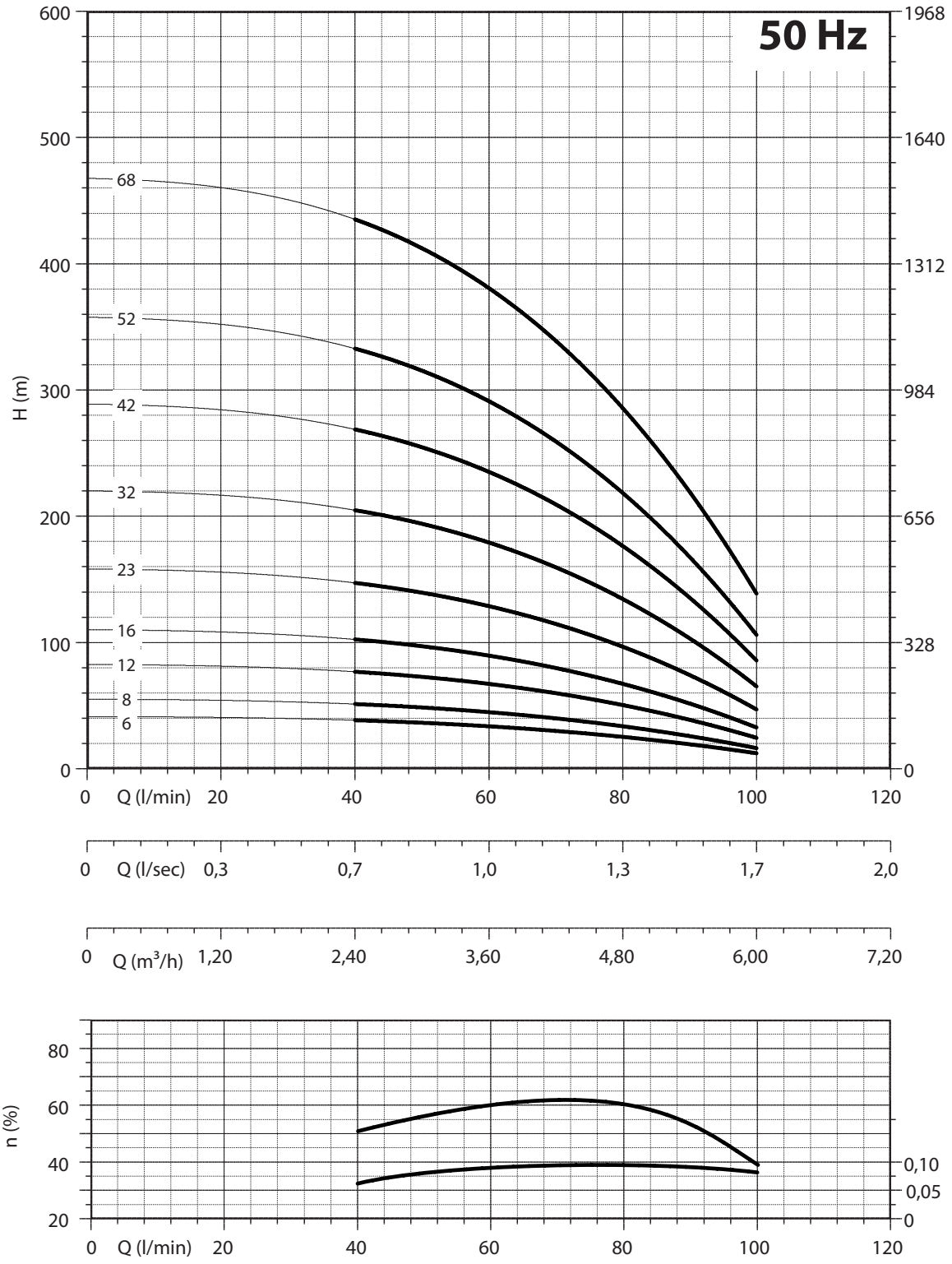
kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,095

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

4” MR/MRX 4

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 4 4” MRX 4	2	2	2,5	3,2

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 6

Pompa sommersa girante flottante
Submersible pump floating impeller

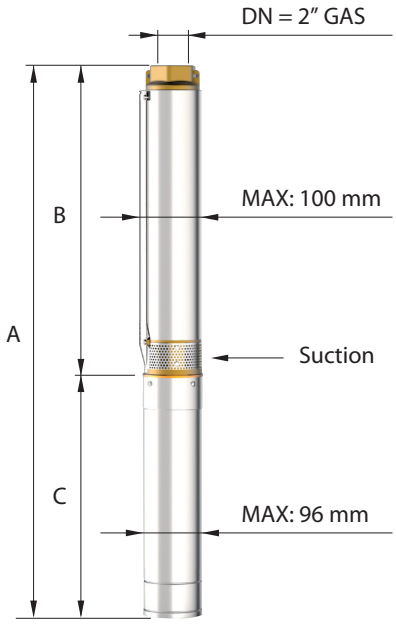
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A	l/min	0	40	60	80	100	120	140	160
						l/sec	0	0,67	1	1,33	1,67	2	2,33	2,67
						m³/h	0	2,4	3,6	4,8	6	7,2	8,4	9,6
4” MR6 N/04	0,55	0,75	4,9	20	1,7		26	24	23	22	20	17	14	10
4” MR6 N/06	0,75	1	6,5	30	2,2		38	36	34	32	30	26	21	14
4” MR6 N/09	1,1	1,5	9,4	40	3		57	53	51	48	44	39	32	21
4” MR6 N/12	1,5	2	11,5	50	4		77	71	68	65	59	52	42	29
4” MR6 N/17	2,2	3	14,7	75	5,7	H(m)	109	101	97	92	84	73	60	41
4” MR6 N/23	3	4	-	-	7,4		147	136	131	124	113	99	81	55
4” MR6 N/31	4	5,5	-	-	10		198	184	176	167	153	134	110	74
4” MR6 N/42	5,5	7,5	-	-	13,5		268	249	239	226	207	181	149	100
4” MR6 N/56	7,5	10	-	-	18		358	332	319	302	276	241	198	134

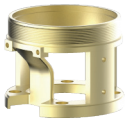
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MR6 N/04	667	647	330	337	317	8	8	3
4” MR6 N/06	752	727	390	362	337	10	10	4
4” MR6 N/09	872	842	480	392	362	12	12	5
4” MR6 N/12	992	962	570	422	392	13	13	6
4” MR6 N/17	1187	1172	720	467	452	15	15	8
4” MR6 N/23	-	1457	900	-	557	-	19	10
4” MR6 N/31	-	1737	1140	-	597	-	22	13
4” MR6 N/42	-	2168	1470	-	698	-	27	16
4” MR6 N/56	-	2708	1890	-	818	-	32	21



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 65%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,128

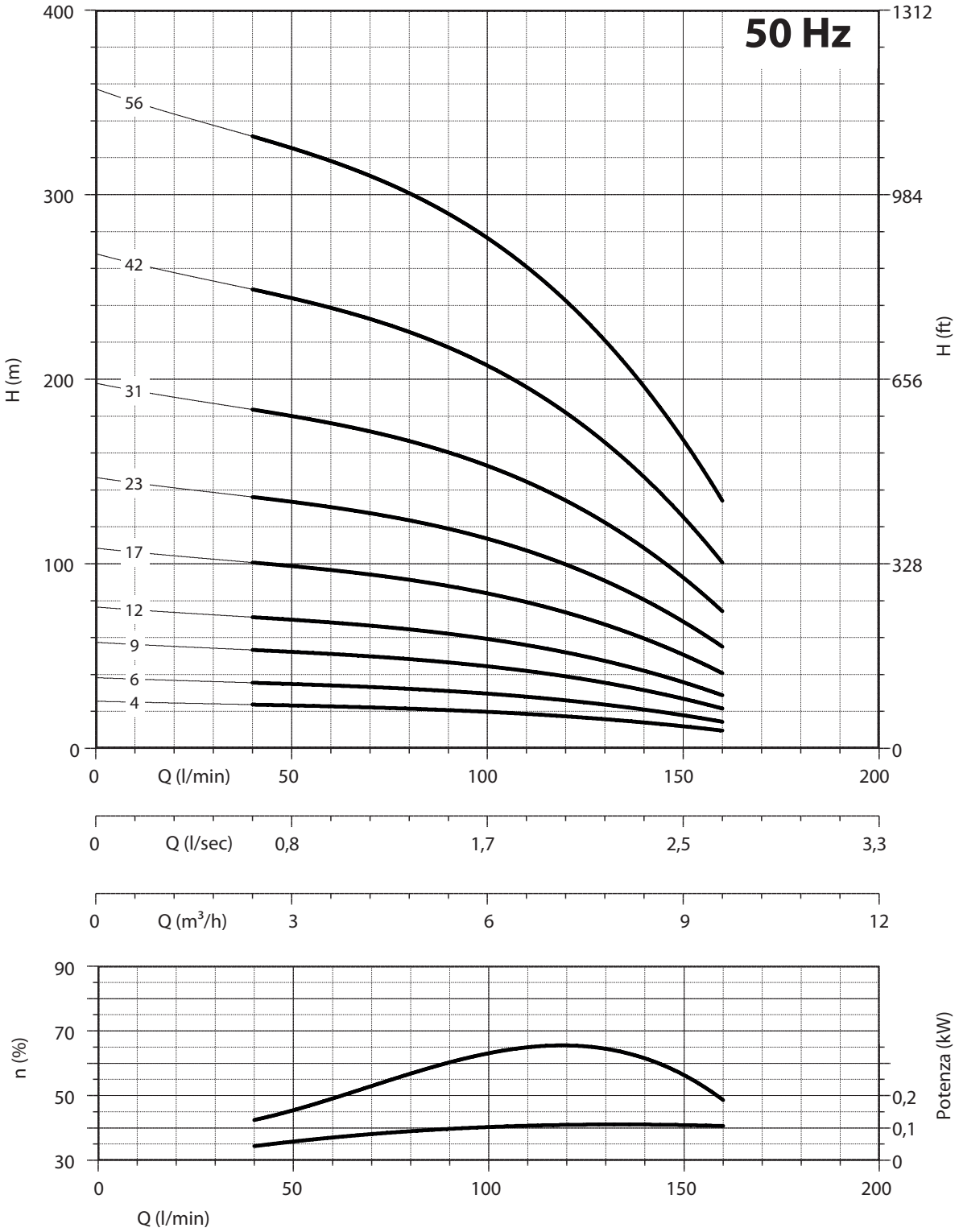
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 6

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 6 4” MRX 6	2,2	2,2	2,7	3,5

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 8

Pompa sommersa girante flottante
Submersible pump floating impeller

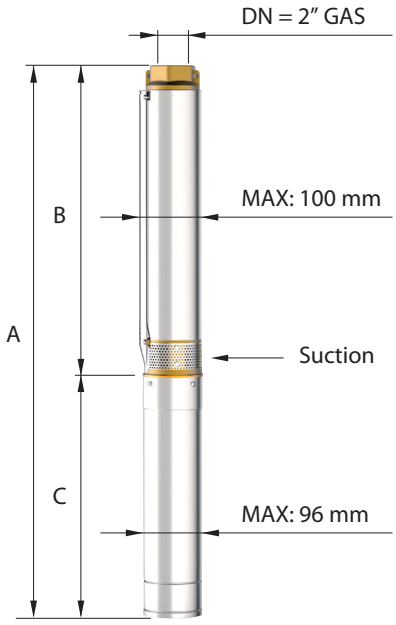
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A								
						l/min	0	80	100	120	140	160	180	200
						l/sec	0	1,33	1,67	2,00	2,33	2,67	3,00	3,33
						m³/h	0	4,8	6	7,2	8,4	9,6	10,8	12
4” MR8 N/04	0,75	1	6,5	30	2,2	H(m)	25	24	22	21	18	15	11	4
4” MR8 N/07	1,1	1,5	9,4	40	3		44	41	39	36	32	27	19	8
4” MR8 N/09	1,5	2	11,5	50	4		56	53	50	46	42	35	25	10
4” MR8 N/13	2,2	3	14,7	75	5,7		81	77	72	67	60	50	36	14
4” MR8 N/18	3	4	-	-	7,4		112	107	100	93	83	69	50	19
4” MR8 N/24	4	5,5	-	-	10		150	142	133	124	111	92	66	26
4” MR8 N/31	5,5	7,5	-	-	13,5		193	184	172	160	143	119	86	33
4” MR8 N/42	7,5	10	-	-	18		262	249	233	216	194	162	116	45

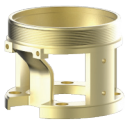
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Single Phase V 230	A mm Three Phase V 400	B mm	C mm Single Phase V 230	C mm Three Phase V 400	M Kg Single Phase	M Kg Three Phase	P Kg
4” MR8 N/04	692	667	330	362	337	10	10	3
4” MR8 N/07	812	782	420	392	362	12	12	4
4” MR8 N/09	902	872	480	422	392	13	13	5
4” MR8 N/13	1067	1052	600	467	452	15	15	6
4” MR8 N/18	-	1307	750	-	557	-	19	8
4” MR8 N/24	-	1527	930	-	597	-	22	10
4” MR8 N/31	-	1838	1140	-	698	-	27	12
4” MR8 N/42	-	2288	1470	-	818	-	32	16



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 64%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,165

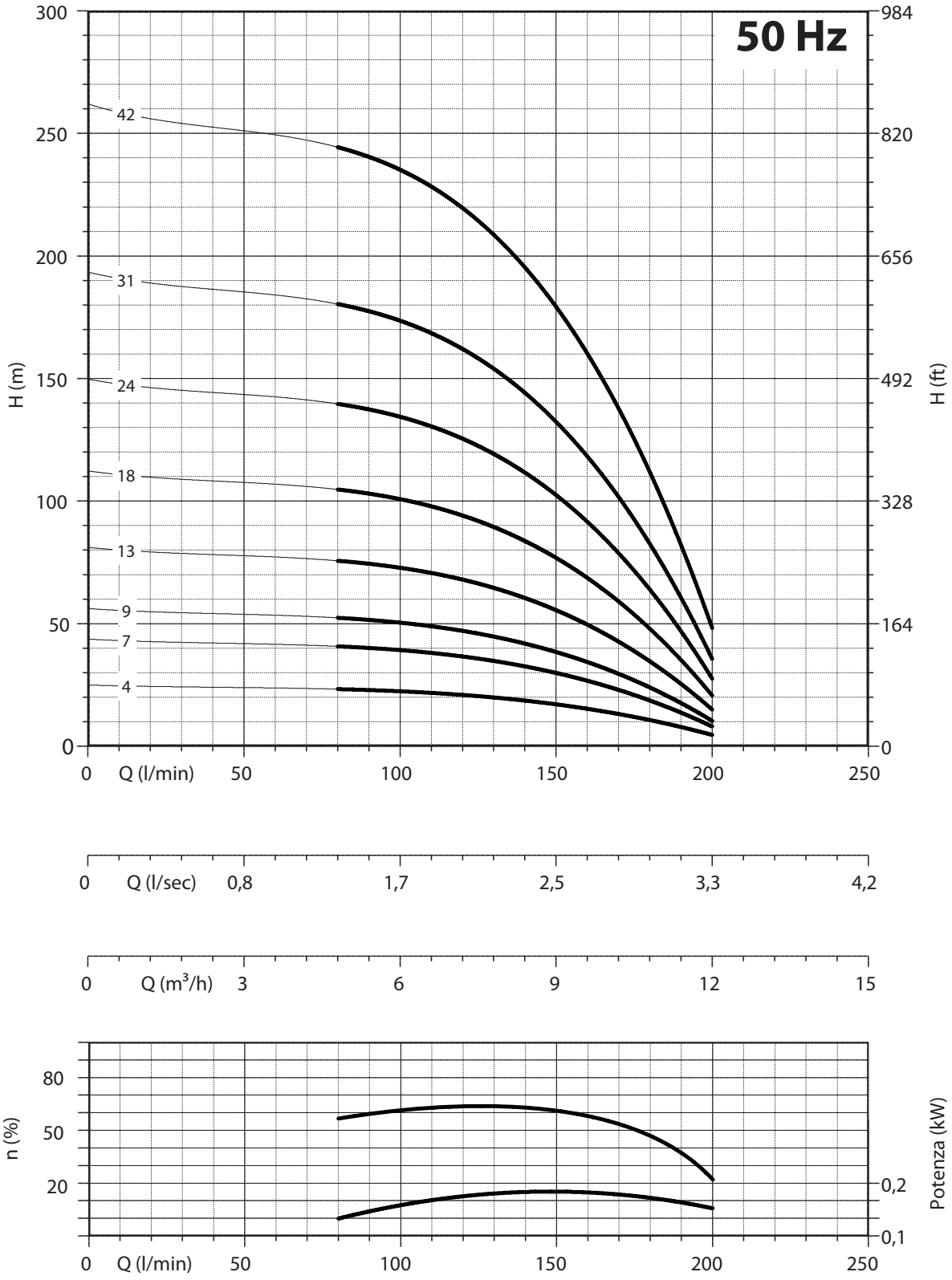
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 8

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)		25%	50%	75%	100%
4” MR 8	4” MRX 8	2,2	2,2	3	4,8

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 10

Pompa sommersa girante flottante
Submersible pump floating impeller

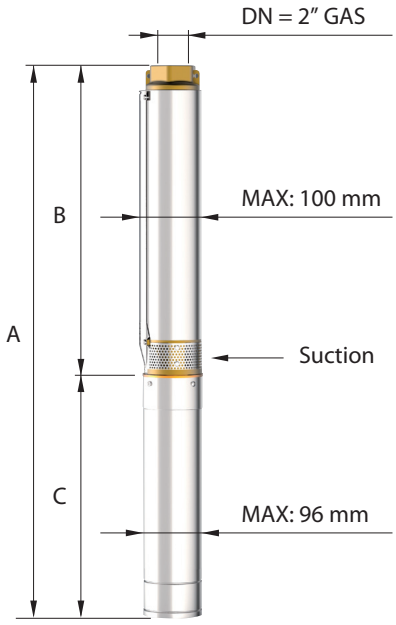
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A	l/min	0	100	125	150	175	200	225	250
						l/sec	0	1,7	2,1	2,5	2,9	3,3	3,8	4,2
						m³/h	0	6	7,5	9	10,5	12	13,5	15
4” MR10 N/04	0,75	1	6,5	30	2,2	H(m)	27	24	21	19	17	14	10	7
4” MR10 N/06	1,1	1,5	9,4	40	3		41	35	32	29	25	21	15	10
4” MR10 N/08	1,5	2	11,5	50	4		55	47	43	38	33	28	20	14
4” MR10 N/12	2,2	3	14,7	75	5,7		82	71	64	57	50	41	30	21
4” MR10 N/16	3	4	-	-	7,4		109	94	86	76	66	55	41	28
4” MR10 N/22	4	5,5	-	-	10		150	130	118	105	91	76	56	38
4” MR10 N/30	5,5	7,5	-	-	13,5		205	177	161	143	124	104	76	52
4” MR10 N/40	7,5	10	-	-	18		273	236	214	191	165	138	102	69

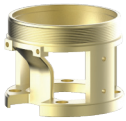
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Single Phase V 230	A mm Three Phase V 400	B mm	C mm Single Phase V 230	C mm Three Phase V 400	M Kg Single Phase	M Kg Three Phase	P Kg
4” MR10 N/04	766	736	374	392	362	12	12	4
4” MR10 N/06	848	818	456	392	362	12	12	4
4” MR10 N/08	960	930	538	422	392	13	13	5
4” MR10 N/12	1169	1154	702	467	452	15	15	7
4” MR10 N/16	-	1423	866	-	557	-	19	8
4” MR10 N/22	-	1709	1112	-	597	-	22	10
4” MR10 N/30	-	2138	1440	-	698	-	27	13
4” MR10 N/40	-	2668	1850	-	818	-	32	17



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 65%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,186

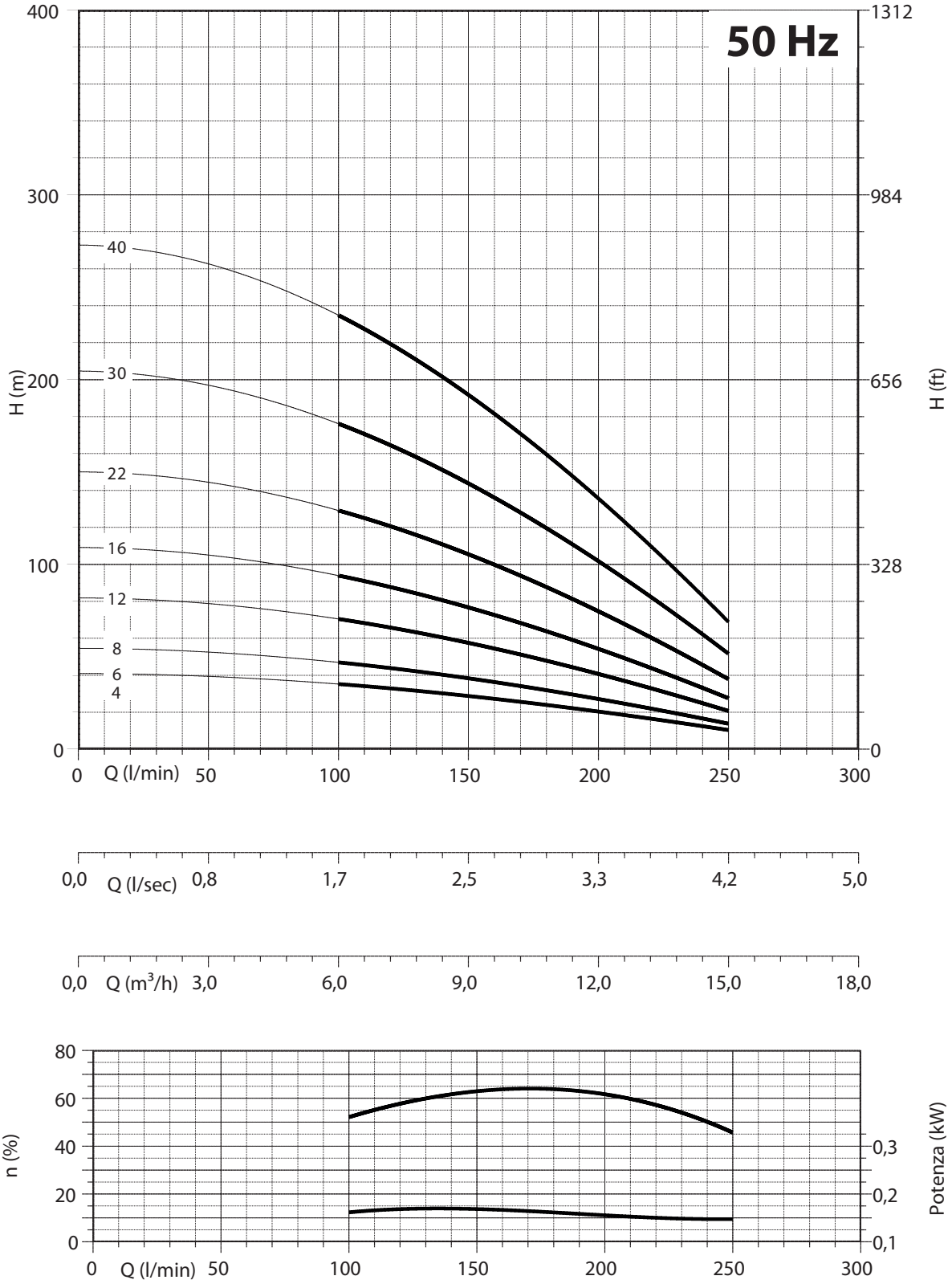
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 10

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 10 4” MRX 10	2,2	2,2	3	4,8

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 12

Pompa sommersa girante flottante
Submersible pump floating impeller

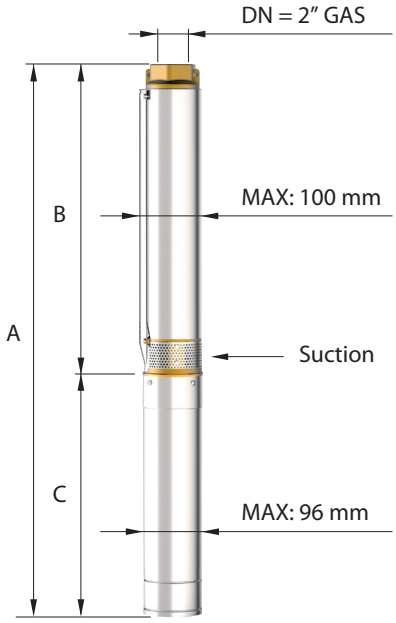
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A							
						l/min	0	100	150	200	250	300
						l/sec	0	1,67	2,50	3,33	4,17	5,00
						m³/h	0	6	9	12	15	18
4” MR12 N/04	0,75	1	6,5	30	2,2	H(m)	28	23	20	15	9	2
4” MR12 N/05	1,1	1,5	9,4	40	3		35	29	25	19	12	3
4” MR12 N/07	1,5	2	11,5	50	4		49	40	35	27	16	4
4” MR12 N/11	2,2	3	14,7	75	5,7		77	63	54	42	25	6
4” MR12 N/15	3	4	-	-	7,4		105	87	74	58	35	8
4” MR12 N/20	4	5,5	-	-	10		140	115	99	77	46	10
4” MR12 N/27	5,5	7,5	-	-	13,5		189	156	134	104	62	14
4” MR12 N/37	7,5	10	-	-	18		259	213	183	143	85	19

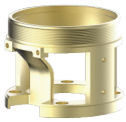
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MR12 N/04	766	736	374	392	362	12	12	4
4” MR12 N/05	807	777	415	392	362	12	12	4
4” MR12 N/07	919	889	497	422	392	13	13	5
4” MR12 N/11	1128	1113	661	467	452	15	15	6
4” MR12 N/15	-	1382	825	-	557	-	19	8
4” MR12 N/20	-	1627	1030	-	597	-	22	10
4” MR12 N/27	-	2015	1317	-	698	-	27	13
4” MR12 N/37	-	2545	1727	-	818	-	37	17



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 65%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,20

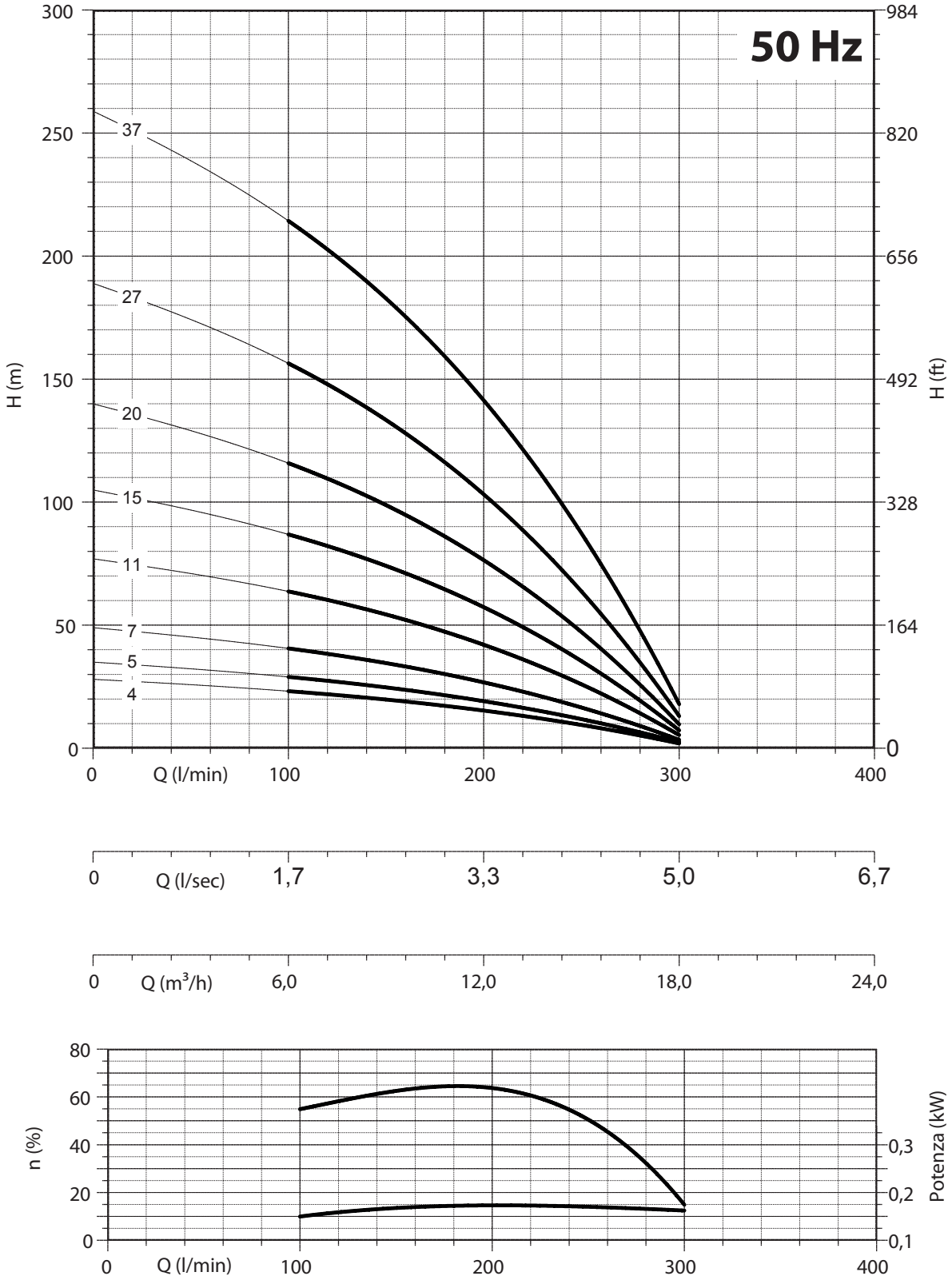
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 12

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 12 4” MRX 12	2,2	2,2	3	4,8

NOTES

4”

50Hz

MR/MRX 18
MSX 10-14-18

Clean

Civil

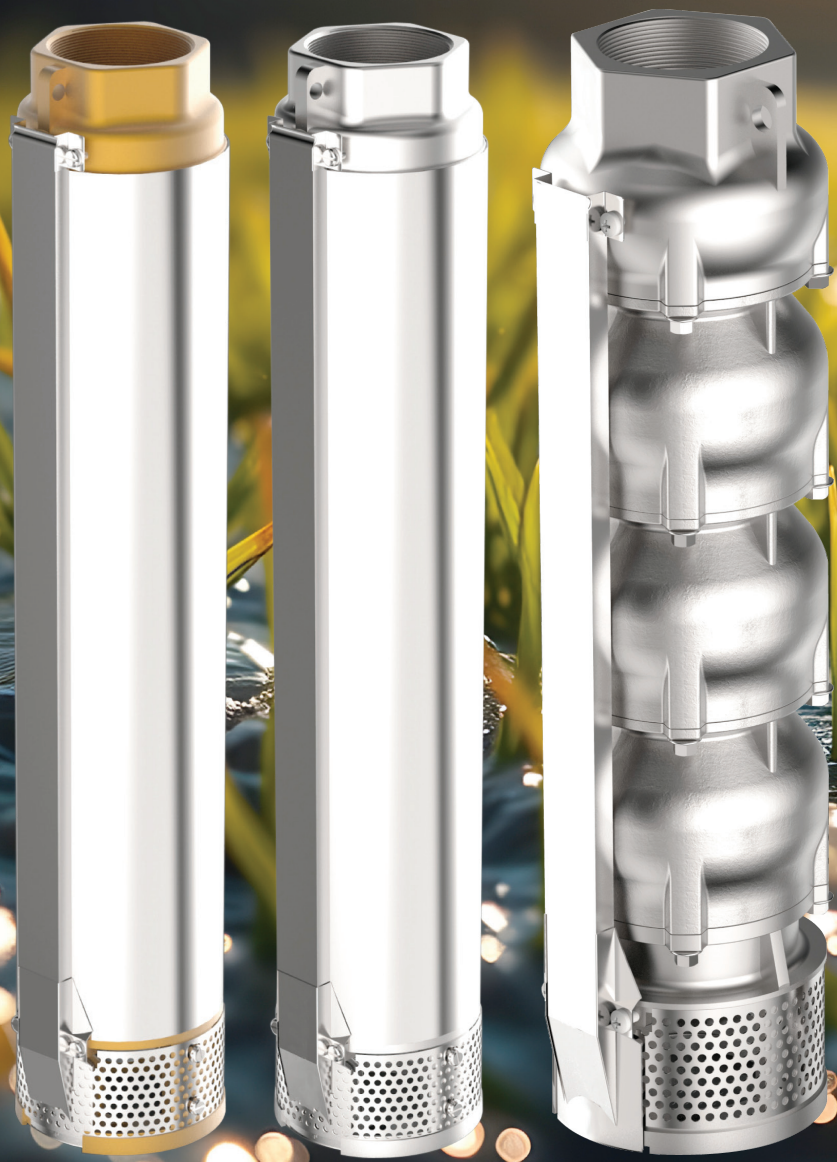
Industry

Fire

Agriculture

Pompa sommersa elevata portata
High flow capacity submersible pump
Pompe submersible à haut débit
Bomba sumergible de alta capacidad de caudal

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³



metro

MADE IN ITALY

www.metropumps-italy.com







4” MR/MRX18 - 4” MSX - 10 - 14 - 18

Pompa sommersa elevata portata
High flow capacity submersible pump
Pompe submersible à haut débit
Bomba sumergible de alta capacidad de caudal

4” MR 18
Girante in tecnopolimero, diffusore in Noryl, camicia esterna in AISI 304, mandata e gabbia di aspirazione in ottone
4” MRX 18
Girante in tecnopolimero, diffusore in Noryl, camicia esterna in AISI 304, mandata e gabbia di aspirazione in acciaio inox AISI 304

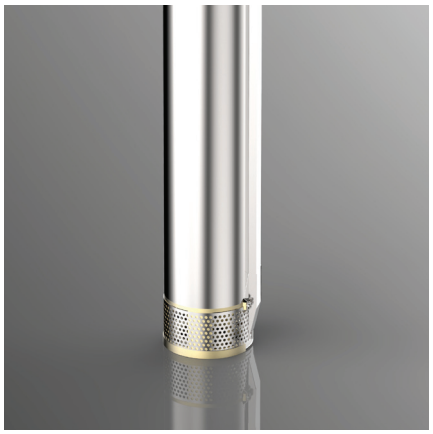
4” MR 18
Impeller inTechnopolimer, diffuser in Noryl, external sleeve in AISI 304, delivery bowl and suction cage in Brass
4” MRX 18
Impeller in Technopolimer, diffuser in Noryl, external sleeve in AISI 304 delivery bowl and suction cage in stainlees steel AISI 304

4” MR 18
Roue en Technopolimère, diffuseur en Noryl, manchon externe en AISI 304, bol de refoulement et cage d’aspiration en laiton
4” MRX 18
Roue en technopolymère, diffuseur en Noryl, enveloppe extérieure en AISI 304, cage de refoulement et d’aspiration en acier inoxydable AISI 304

4” MR 18
Impulsor en tecnopolímero, difusor en Noryl, camisa externa en AISI 304, vaso de impulsión y jaula de succión en latón
4” MRX 18
Impulsor en tecnopolímero, difusor en Noryl, camisa externa en AISI 304, jaula de impulsión y succión en acero inoxidable AISI 304

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B







4” MR/MRX18 - 4” MSX - 10 - 14 - 18

Pompa sommersa elevata portata
High flow capacity submersible pump
Pompe submersible à haut débit
Bomba sumergible de alta capacidad de caudal

Elevata portata: 24/25,5m³/ora – 400/425 l/min
4” MSX 10 - 14 - 18
Girante e diffusore in acciaio inox microfuso AISI 304, albero pompa in AISI 304, mandata e gabbia di aspirazione in acciaio inox microfuso AISI 304

High flow rate: 24/25.5m³/hour – 400/425 l/min
4” MSX 10 - 14 - 18
Impeller and diffuser in AISI 304 micro-cast stainless steel, pump shaft in AISI 304, delivery and suction cage in AISI 304 micro-cast stainless steel

Débit élevé: 24/25,5m³/heure – 400/425 l/min
4” MSX 10 - 14 - 18
Roue et diffuseur en acier inoxydable micro-moulé AISI 304, arbre de pompe en acier inoxydable micro-moulé AISI 304, cage de refoulement et d’aspiration en acier inoxydable micro-moulé AISI 304

Alto caudal: 24/25,5 m³/hora – 400/425 l/min
4” MSX 10 - 14 - 18
Impulsor y difusor en acero inoxidable microfundido AISI 304, eje de bomba en AISI 304, jaula de impulsión y aspiración en acero inoxidable microfundido AISI 304

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 18

Pompa sommersa girante flottante
Submersible pump floating impeller

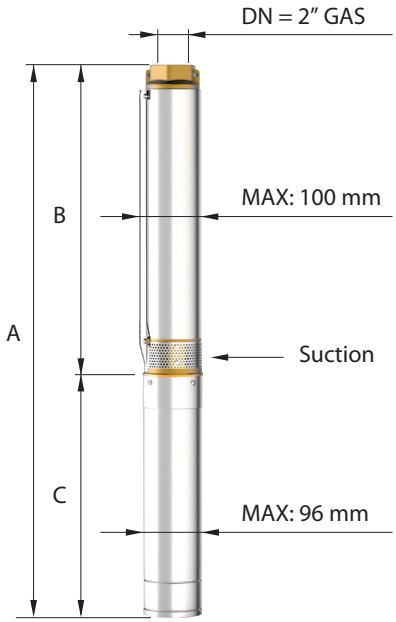
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A	l/min	0	150	200	250	300	350	400
						l/sec	0	2,50	3,33	4,17	5	5,83	6,67
						m³/h	0	9	12	15	18	21	24
4” MR18 N/05	1,1	1,5	9,4	40	3		28	22	19	17	14	9	2,2
4” MR18 N/07	1,5	2	11,5	50	4		39	30	27	24	19	12	3,1
4” MR18 N/10	2,2	3	14,7	75	5,7		56	43	39	34	27	17	4,4
4” MR18 N/14	3	4	-	-	7,4	H(m)	78	61	54	48	38	24	6
4” MR18 N/19	4	5,5	-	-	10		106	82	74	65	52	33	8
4” MR18 N/23	5,5	7,5	-	-	13,5		128	100	89	79	63	40	10
4” MR18 N/32	7,5	10	-	-	18		178	139	124	110	87	55	14

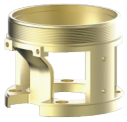
DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MR18 N/05	967	937	575	392	362	12	12	5
4” MR18 N/07	1143	1113	721	422	392	13	13	6
4” MR18 N/10	1407	1392	940	467	452	15	15	8
4” MR18 N/14	-	1789	1232	-	557	-	19	10
4” MR18 N/19	-	2194	1597	-	597	-	22	13
4” MR18 N/23	-	2587	1889	-	698	-	27	16
4” MR18 N/32	-	3364	2546	-	818	-	32	21



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles





4” MR

Gabbia di aspirazione e mandata in ottone

Suction cage and delivery bowl in brass

Cage d’aspiration et bol de refoulement en laiton

Jaula de succión y recipiente de descarga de latón





4” MRX

Gabbia di aspirazione e mandata in AISI 304 microfuso

Suction cage and delivery bowl in AISI 304 casted

Cage d’aspiration et bol de refoulement en fonte AISI 304

Jaula de succión y recipiente de impulsión en fundición de acero inoxidable AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 64,5%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,216

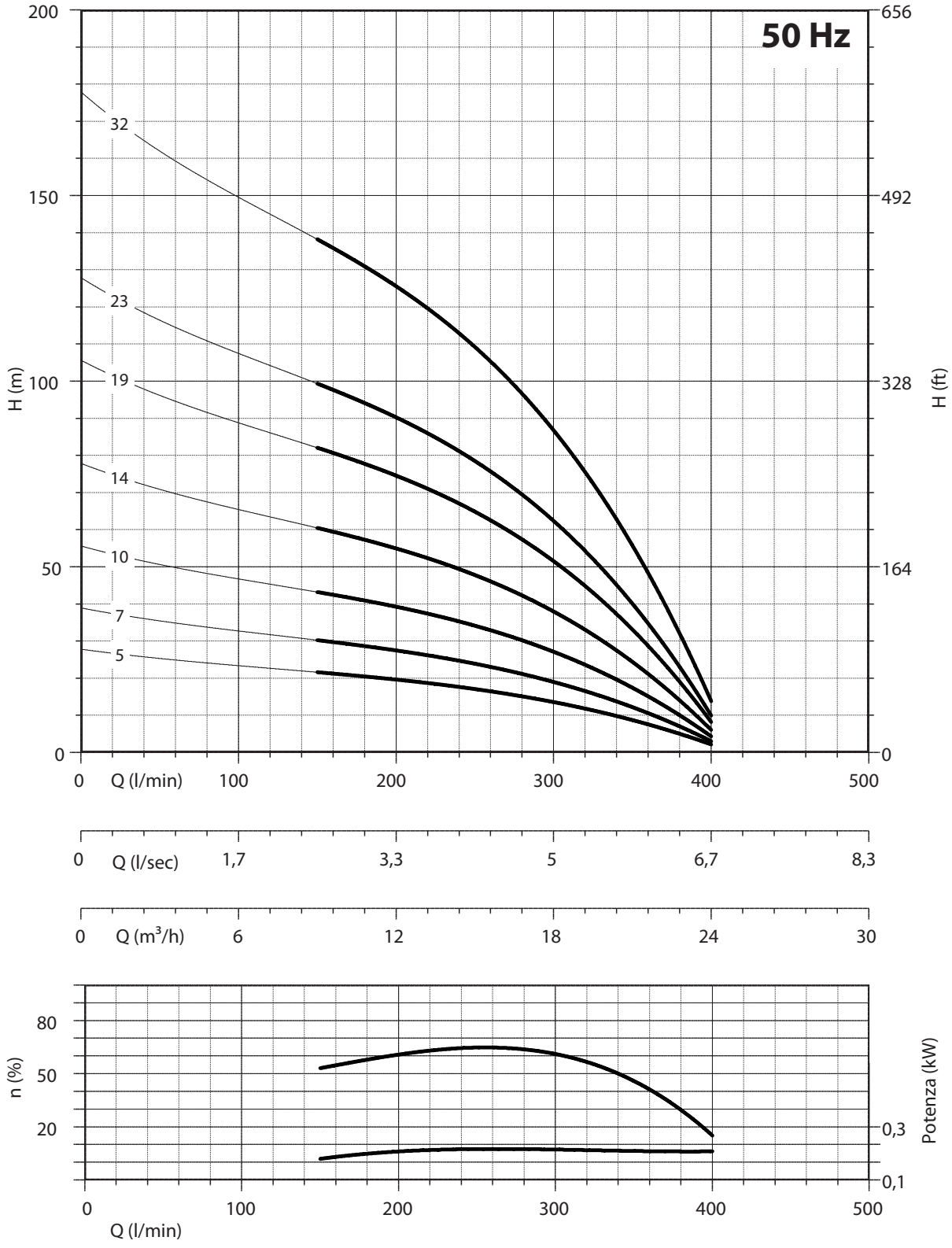
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX 18

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MR 18 - 4” MRX 18	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

4” MSX 10

Pompa sommersa girante flottante
Submersible pump floating impeller

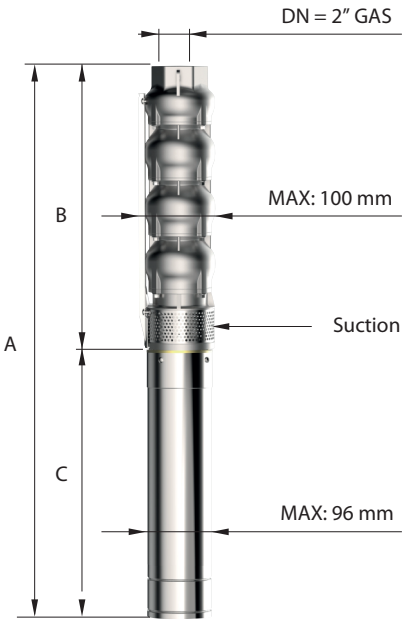
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A							
						l/min	0	50	100	150	200	250
						l/sec	0	0,83	1,67	2,50	3,33	4,17
						m³/h	0	3	6	9	12	15
4” MSX 10/05	0,75	1	6,5	30	2,2	H(m)	29	26	23	19	14	7
4” MSX 10/07	1,1	1,5	9,4	40	3		41	36	32	26	19	10
4” MSX 10/10	1,5	2	11,5	50	4		58	52	45	37	27	14
4” MSX 10/15	2,2	3	14,7	75	5,7		87	78	68	56	41	21
4” MSX 10/20	3	4	-	-	7,4		116	104	90	74	54	28
4” MSX 10/28	4	5,5	-	-	10		162	146	126	104	76	39

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MSX 10/05	910	880	518	392	362	12	12	9
4” MSX 10/07	1056	1026	664	392	362	12	12	12
4” MSX 10/10	1305	1275	883	422	392	13	13	16
4” MSX 10/15	1715	1700	1248	467	452	15	15	23
4” MSX 10/20	-	2170	1613	-	557	-	19	30
4” MSX 10/28	-	2794	2197	-	597	-	22	41



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 65%

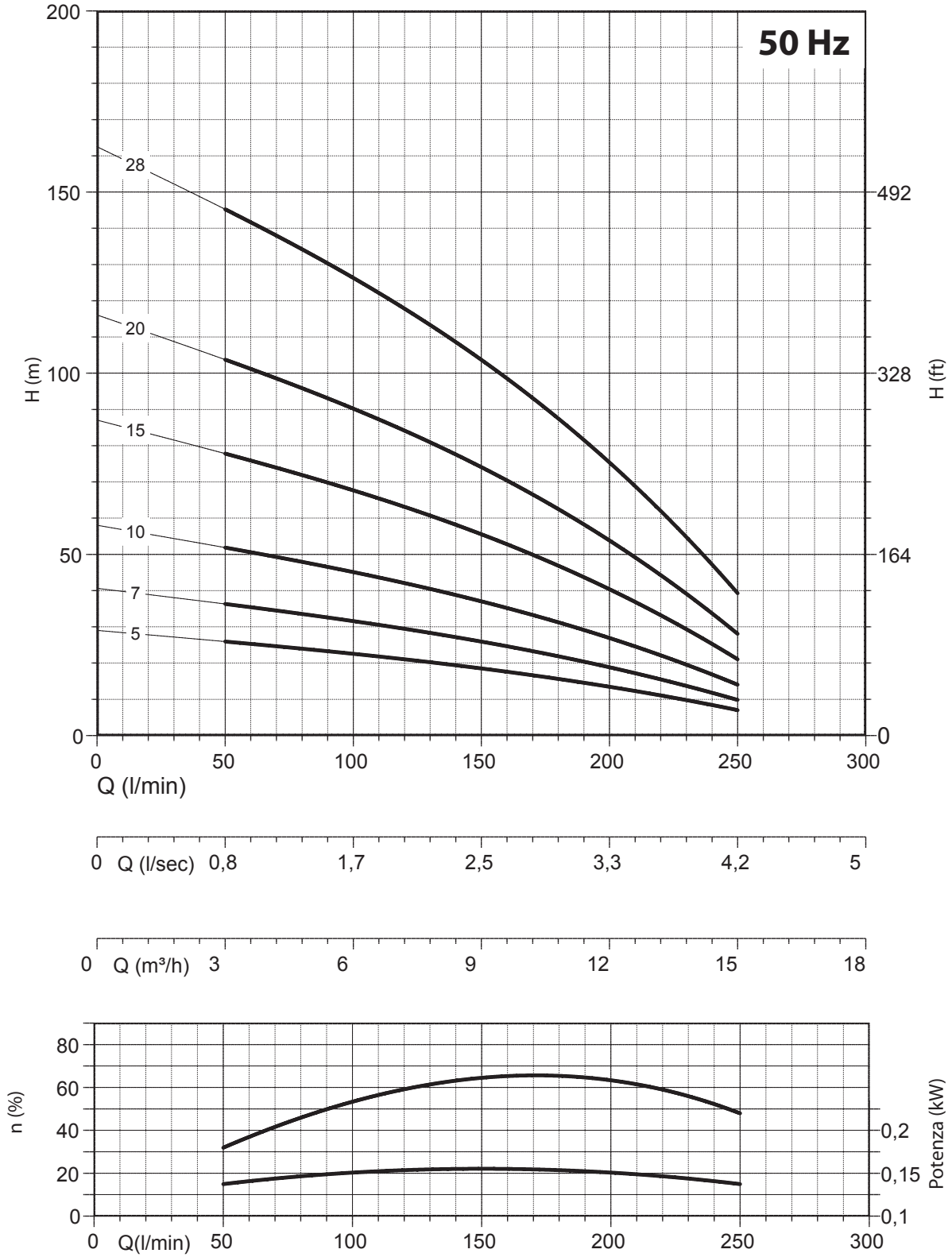
kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,145

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

4” MSX 10

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MSX10	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

4” MSX 14

Pompa sommersa girante flottante
Submersible pump floating impeller

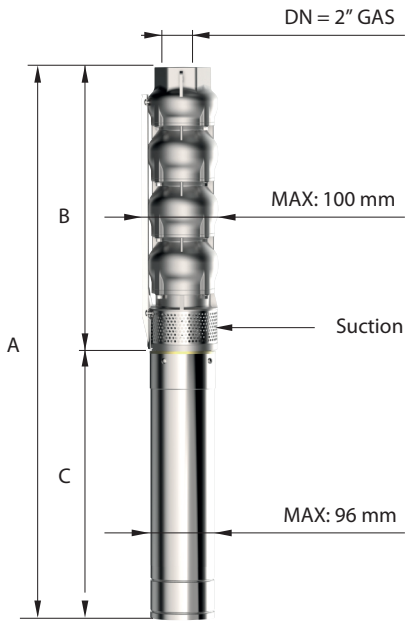
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A	l/min	0	100	150	200	250	300	325
						l/sec	0	1,7	2,5	3,3	4,2	5,0	5,4
						m³/h	0	6	9	12	15	18	19,5
4” MSX 14/04	0,75	1	6,5	30	2,2	H(m)	21	18	17	15	12	9	6
4” MSX 14/06	1,1	1,5	9,4	40	3		31	27	25	22	18	13	9
4” MSX 14/08	1,5	2	11,5	50	4		42	36	33	29	24	18	12
4” MSX 14/12	2,2	3	14,7	75	5,7		62	53	50	44	36	26	18
4” MSX 14/16	3	4	-	-	7,4		83	71	66	58	48	35	24
4” MSX 14/21	4	5,5	-	-	10		109	93	87	76	63	46	32
4” MSX 14/29	5,5	7,5	-	-	13,5		150	129	120	105	87	63	44

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MSX 14/04	837	807	445	392	362	12	12	8
4” MSX 14/06	983	953	591	392	362	12	12	10
4” MSX 14/08	1159	1129	737	422	392	13	13	13
4” MSX 14/12	1496	1481	1029	467	452	15	15	19
4” MSX 14/16	-	1878	1321	-	557	-	19	24
4” MSX 14/21	-	2283	1686	-	597	-	22	31
4” MSX 14/29	-	2868	2270	-	598	-	23	43



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 68%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,181

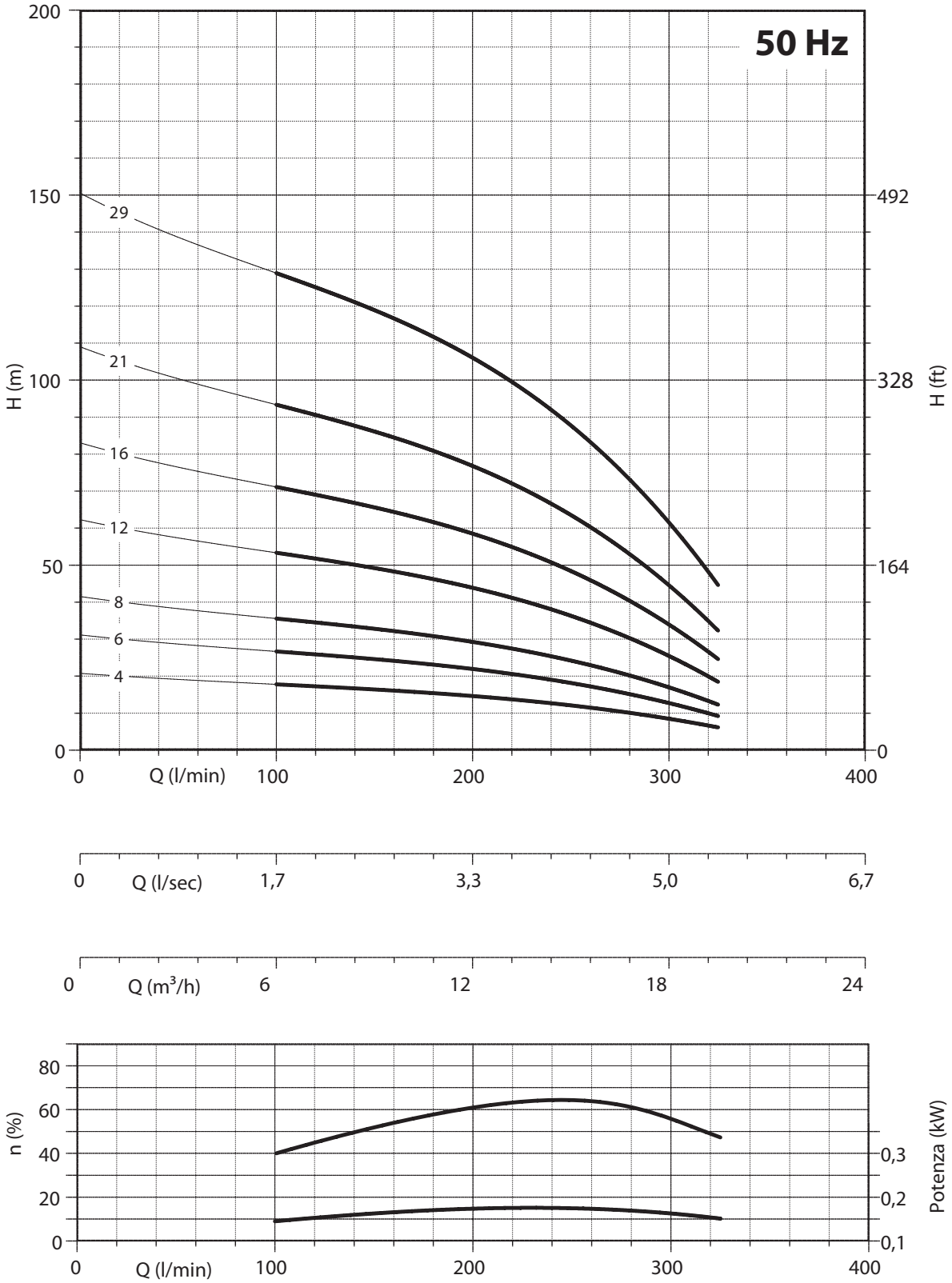
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MSX 14

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MSX 14	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

4” MSX 18

Pompa sommersa girante flottante
Submersible pump floating impeller

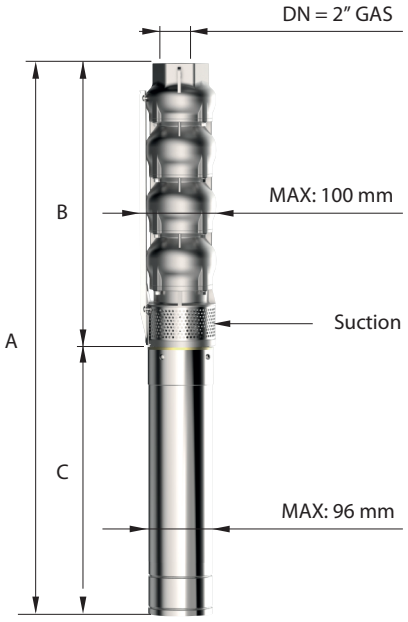
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	V230 Single Phase A	V230 Single Phase µF	V400 Three Phase A									
						l/min	0	150	200	250	300	350	400	425
						l/sec	0	2,50	3,33	4,17	5	5,83	6,67	7,08
						m³/h	0	9	12	15	18	21	24	25,5
4” MSX 18/04	1,1	1,5	9,4	40	3	H(m)	24	21	19	17	15	12	8	6
4” MSX 18/05	1,5	2	11,5	50	4		30	26	24	22	19	15	10	8
4” MSX 18/08	2,2	3	14,7	75	5,7		48	41	38	35	30	24	16	12
4” MSX 18/11	3	4	-	-	7,4		65	56	52	47	41	33	22	17
4” MSX 18/15	4	5,5	-	-	10		89	77	71	65	56	45	30	23
4” MSX 18/20	5,5	7,5	-	-	13,5		119	103	95	86	75	60	40	30
4” MSX 18/27	7,5	10	-	-	18		160	138	128	116	101	81	54	41

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Single Phase V 230	**A** mm Three Phase V 400	**B** mm	**C** mm Single Phase V 230	**C** mm Three Phase V 400	**M** Kg Single Phase	**M** Kg Three Phase	**P** Kg
4” MSX 18/04	837	807	445	392	362	12	12	8
4” MSX 18/05	940	910	518	422	392	13	13	9
4” MSX 18/08	1204	1189	737	467	452	15	15	13
4” MSX 18/11	-	1513	956	-	557	-	19	17
4” MSX 18/15	-	1845	1248	-	597	-	22	23
4” MSX 18/20	-	2311	1613	-	698	-	27	30
4” MSX 18/27	-	2942	2124	-	818	-	32	40



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 68%

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,273

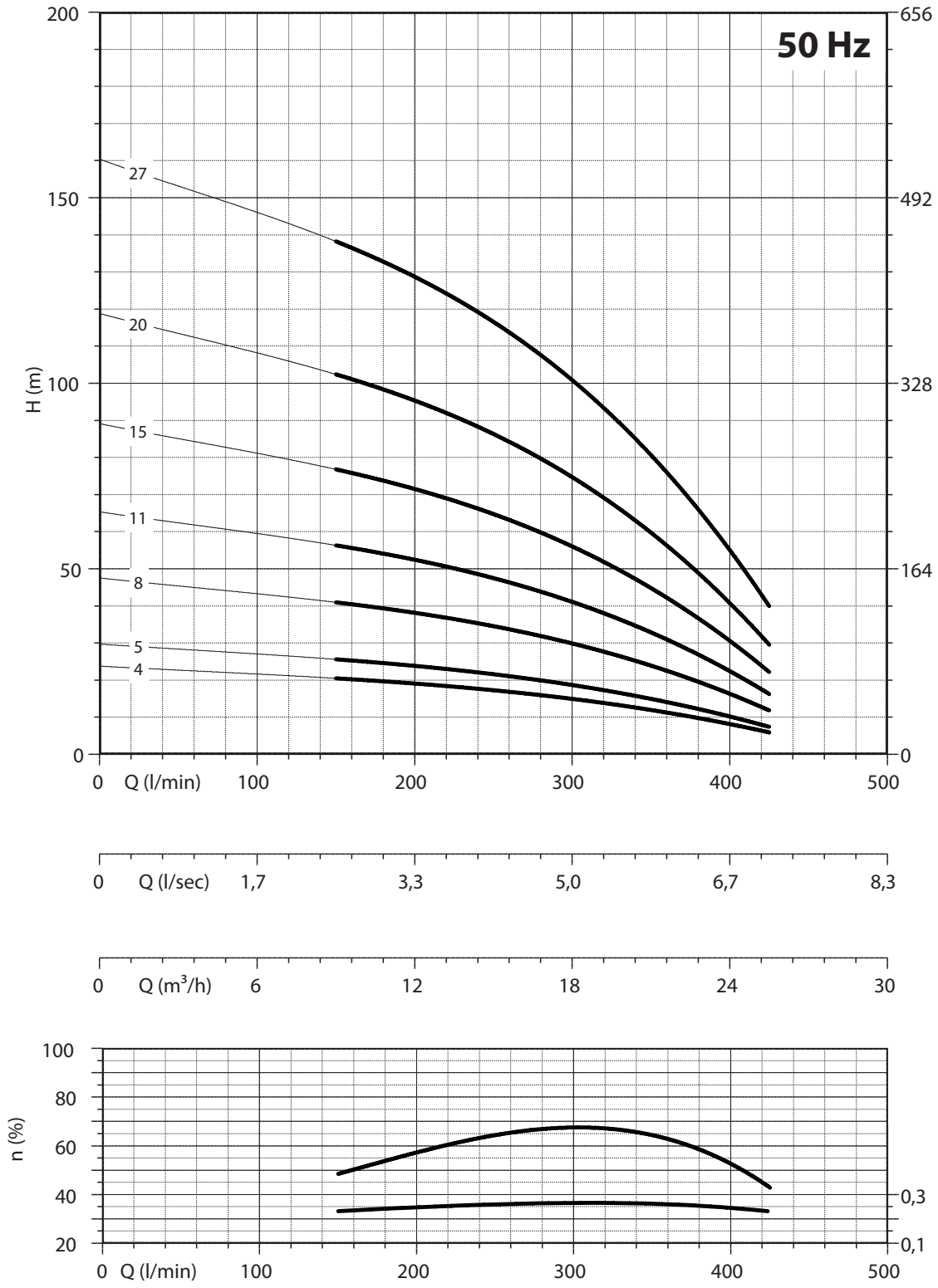
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

4” MSX 18

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
4” MSX 18	3	3	4	6

NOTES

4”

50Hz

MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Tolleranza alla sabbia 300 g/m³
Sand tolerance 300 g/m³
Tolérance au sable 300 g/m³
Tolerancia de arena 300 g/m³



- Clean
- Civil
- Industry
- Fire
- Agriculture

MR/MRX 18
MSX 10-14-18

Pompa sommersa elevata portata
High flow capacity submersible pump
Pompe submersible à haut débit
Bomba sumergible de alta capacidad de caudal

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³



RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

MADE IN ITALY

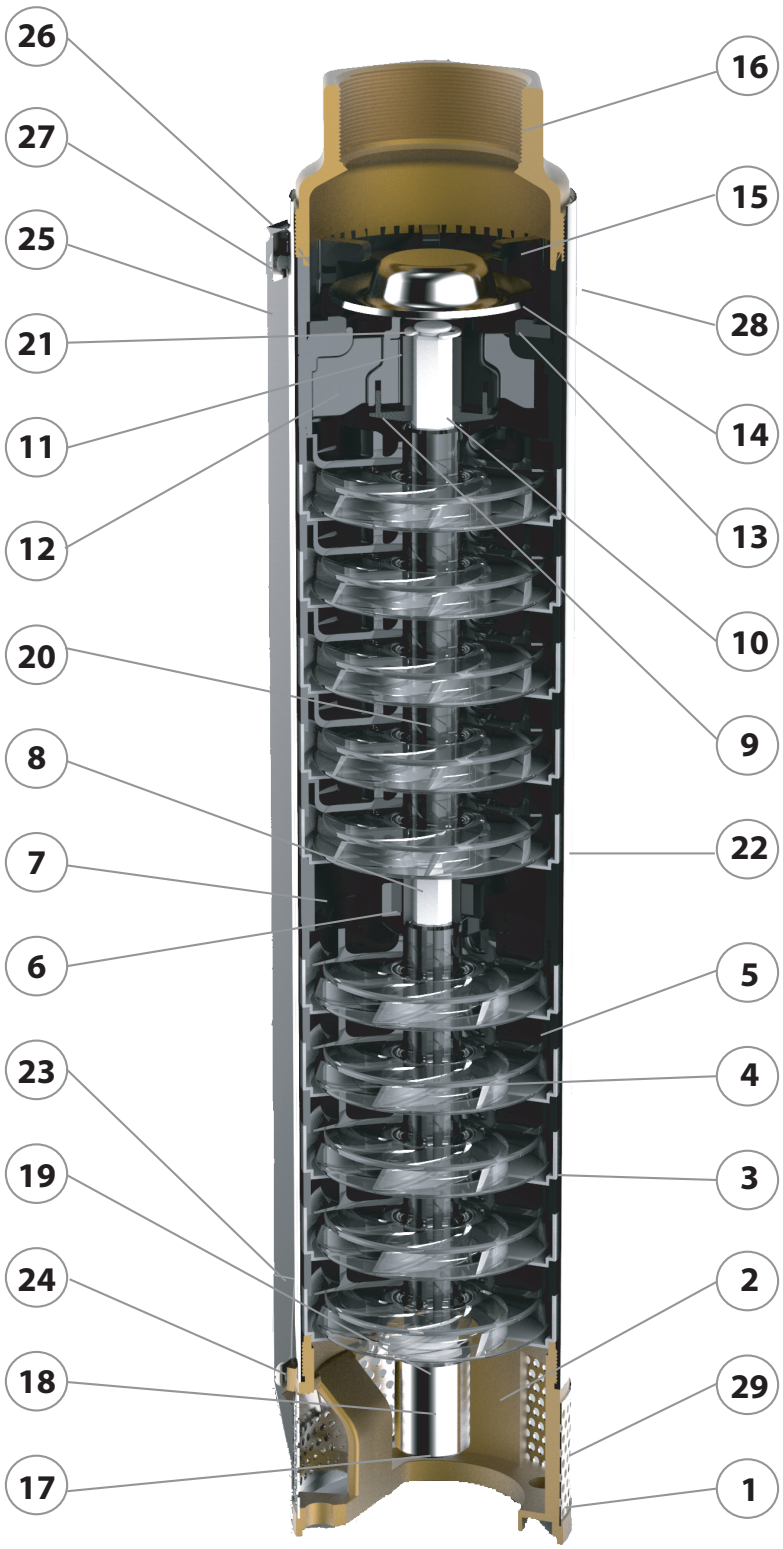
www.metropumps-italy.com

metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller



4” MRX
AISI 304



metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller

4” MR * **4” MRX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	OTTONE	SUCTION CAGE	BRASS
3	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
4	GIRANTE	POLICARBONATO	IMPELLER	POLYCARBONATE
5	DIFFUSORE	NORYL GFN2	DIFFUSEUR	NORYL GFN2
6	BRONZINA SUPPORTO INTERMEDIO	GOMMA NBR	INTERMEDIATE BEARING BUSH	RUBBER NBR
7	SUPPORTO INTERMEDIO	NORYL GFN2	INTERMEDIATE SUPPORT	NORYL GFN2
8	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
9	PARASABBIA	NORYL GFN2	SAND GUARD	NORYL GFN2
10	DISTANZIATORE SUPPORTO SUPERIORE	ACCIAIO INOX AISI 304	SPACER UPPER SUPPORT	AISI 304
11	BRONZINA SUPPORTO SUPERIORE	GOMMA NBR	UPPER BEARING BUSH	RUBBER NBR
12	SUPPORTO SUPERIORE	NORYL GFN2	UPPER SUPPORT	NORYL GFN2
13	GUARNIZIONE FARFALLA	GOMMA NBR	VALVE GASKET	RUBBER NBR
14	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
15	ANELLO RACCORDO MANDATA	NORYL GFN2	RING CONNECTOR DELIVERY BOWL	NORYL GFN2
16 *	MANDATA	OTTONE	DELIVERY BOWL	BRASS
17	VITE M6X12	ACCIAIO INOX AISI 304	SCREW M6X12	AISI 304
18	GIUNTO DI TRAINO FLOTTANTE	ACCIAIO INOX AISI 304	FLOATING JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
23	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
24	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 FOR LOWER FLANGE	AISI 304
25	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
26	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
27	N. 2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 FOR UPPER FLANGE	AISI 304
28	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
29	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 SUCTION STRAINER	AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D'ASPIRATION	LAITON	CUERPO DE ASPIRACION	LATON
3	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
4	ROUE	TECHNOPOLYMER	IMPULSOR	TECHNOLPOLYMERO
5	DIFFUSEUR	NORYL GFN2	DIFUSOR	NORYL GFN2
6	COUSSINET BEARING BUSH	CAOUTCHOUC NBR	COJINETE SOPORTE INTERMEDIO	GOMA NBR
7	SUPPORT INTERMEDIARE	NORYL GFN2	SOPORTE INTERMEDIO	NORYL GFN2
8	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
9	PARA SABLE	NORYL GFN2	PROTECTOR ARENA	NORYL GFN2
10	SUPPORT SUPERIEURE SPACER	ACIER INOXYDABLE AISI 304	DISTANCIADOR SOPORTE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COUSSINET SUPPORT SUPERIEURE	CAOUTCHOUC NBR	COJINETE SOPORTE SUPERIOR	GOMA NBR
12	SUPPORT SUPERIEURE	NORYL GFN2	SOPORTE SUPERIOR	NORYL GFN2
13	VALVE GASKET	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
14	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
15	RING CONNECTEUR PLAT	NORYL GFN2	ANILLO CUERPO DE IMPUSLION	NORYL GFN2
16 *	REFOULEMENT	LAITON	CUERPO DE IMPULSION	LATON
17	VIS M6X12	ACIER INOXYDABLE AISI 304	TORNILLO M6X12	ACERO INOXIDABLE AISI 304
18	JOINT FLOTTANT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO FLOTANTE	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	TECHNOPOLYMER DISTANCIADOR	PRIMER IMPULSOR	TECHNOLPOLYMERO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
23	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	N. 2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
26	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
27	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
28	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
29	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304

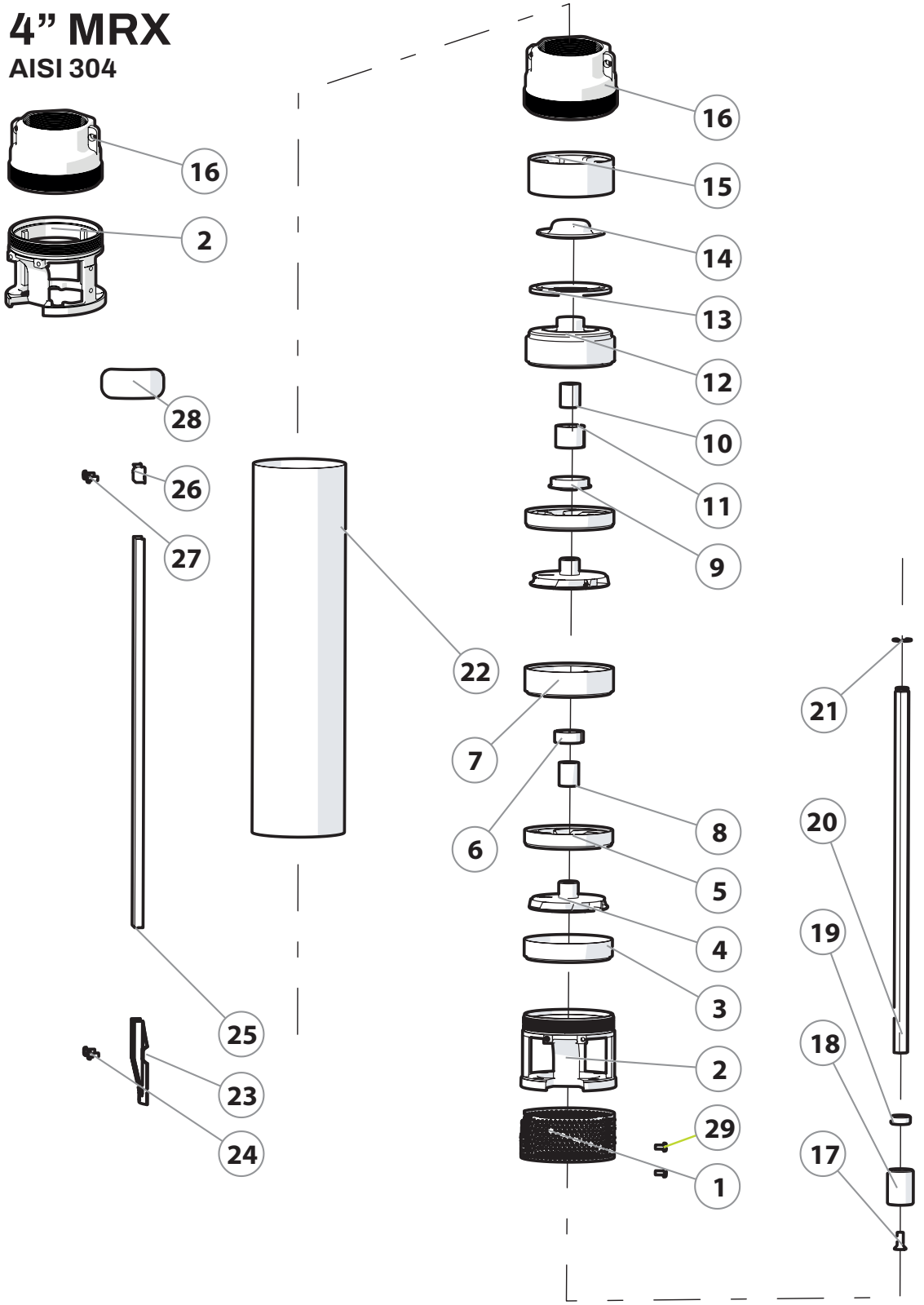
metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller

4” MRX
AISI 304



metro MADE IN ITALY

www.metropumps-italy.com

4” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller

4” MR * **4” MRX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	OTTONE	SUCTION CAGE	BRASS
3	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
4	GIRANTE	POLICARBONATO	IMPELLER	POLYCARBONATE
5	DIFFUSORE	NORYL GFN2	DIFFUSEUR	NORYL GFN2
6	BRONZINA SUPPORTO INTERMEDIO	GOMMA NBR	INTERMEDIATE BEARING BUSH	RUBBER NBR
7	SUPPORTO INTERMEDIO	NORYL GFN2	INTERMEDIATE SUPPORT	NORYL GFN2
8	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
9	PARASABBIA	NORYL GFN2	SAND GUARD	NORYL GFN2
10	DISTANZIATORE SUPPORTO SUPERIORE	ACCIAIO INOX AISI 304	SPACER UPPER SUPPORT	AISI 304
11	BRONZINA SUPPORTO SUPERIORE	GOMMA NBR	UPPER BEARING BUSH	RUBBER NBR
12	SUPPORTO SUPERIORE	NORYL GFN2	UPPER SUPPORT	NORYL GFN2
13	GUARNIZIONE FARFALLA	GOMMA NBR	VALVE GASKET	RUBBER NBR
14	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
15	ANELLO RACCORDO MANDATA	NORYL GFN2	RING CONNECTOR DELIVERY BOWL	NORYL GFN2
16 *	MANDATA	OTTONE	DELIVERY BOWL	BRASS
17	VITE M6X12	ACCIAIO INOX AISI 304	SCREW M6X12	AISI 304
18	GIUNTO DI TRAINO FLOTTANTE	ACCIAIO INOX AISI 304	FLOATING JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
23	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
24	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 FOR LOWER FLANGE	AISI 304
25	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
26	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
27	N. 2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 FOR UPPER FLANGE	AISI 304
28	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
29	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 SUCTION STRAINER	AISI 304

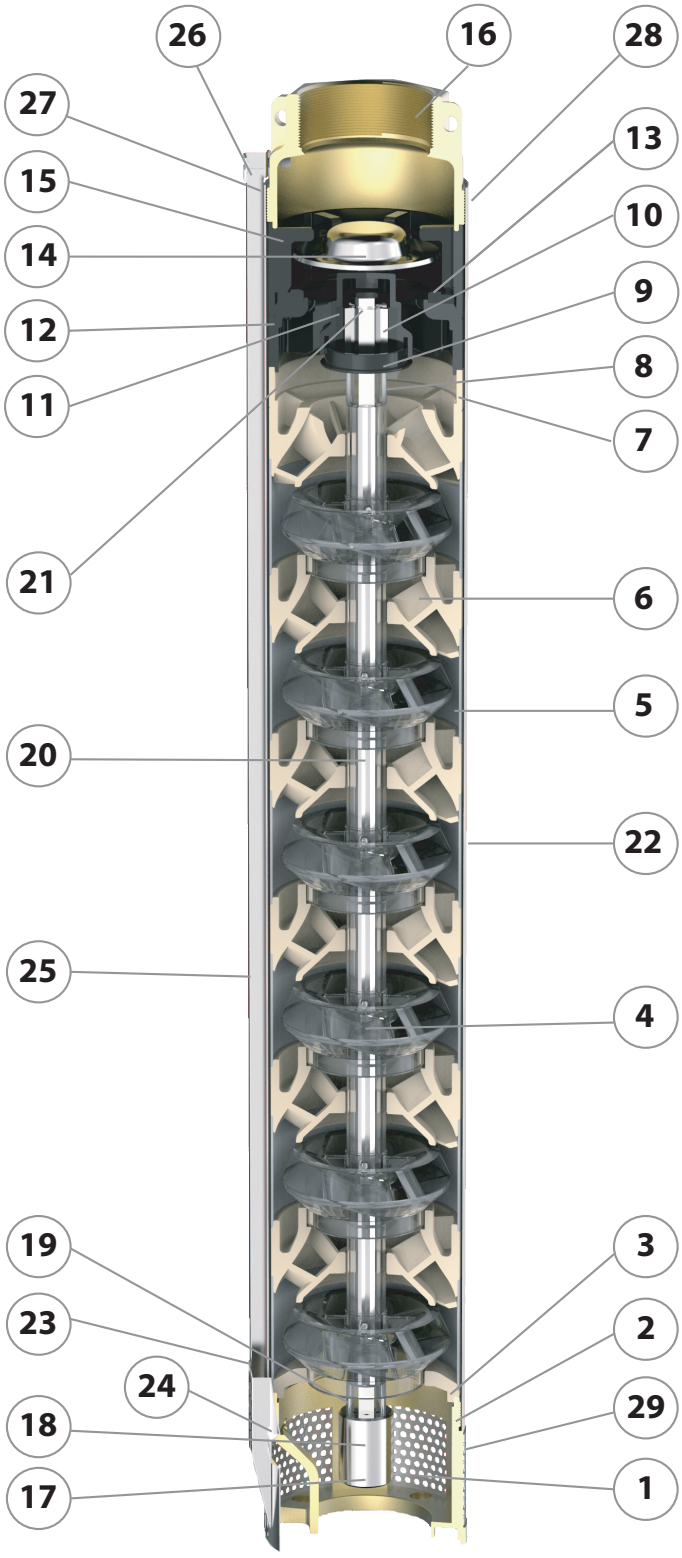
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D'ASPIRATION	LAITON	CUERPO DE ASPIRACION	LATON
3	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
4	ROUE	TECHNOPOLYMER	IMPULSOR	TECHNOLPOLYMERO
5	DIFFUSEUR	NORYL GFN2	DIFUSOR	NORYL GFN2
6	COUSSINET BEARING BUSH	CAOUTCHOUC NBR	COJINETE SOPORTE INTERMEDIO	GOMA NBR
7	SUPPORT INTERMEDIARE	NORYL GFN2	SOPORTE INTERMEDIO	NORYL GFN2
8	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
9	PARA SABLE	NORYL GFN2	PROTECTOR ARENA	NORYL GFN2
10	SUPPORT SUPERIEURE SPACER	ACIER INOXYDABLE AISI 304	DISTANCIADOR SOPORTE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COUSSINET SUPPORT SUPERIEURE	CAOUTCHOUC NBR	COJINETE SOPORTE SUPERIOR	GOMA NBR
12	SUPPORT SUPERIEURE	NORYL GFN2	SOPORTE SUPERIOR	NORYL GFN2
13	VALVE GASKET	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
14	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
15	RING CONNECTEUR PLAT	NORYL GFN2	ANILLO CUERPO DE IMPUSLION	NORYL GFN2
16 *	REFOULEMENT	LAITON	CUERPO DE IMPULSION	LATON
17	VIS M6X12	ACIER INOXYDABLE AISI 304	TORNILLO M6X12	ACERO INOXIDABLE AISI 304
18	JOINT FLOTTANT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO FLOTANTE	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	TECHNOPOLYMER DISTANCIADOR	PRIMER IMPULSOR	TECHNOLPOLYMERO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
23	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	N. 2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
26	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
27	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
28	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
29	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304

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4” MR/MRX 18

Pompa sommersa girante flottante
Submersible pump floating impeller



4” MRX 18

AISI 304



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4” MR/MRX 18

Pompa sommersa girante flottante
Submersible pump floating impeller

4” MR18 * **4” MRX18** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	OTTONE	SUCTION CAGE	BRASS
3	DISCO RACCORDO GABBIA	NORYL + ACCIAIO	DISC CONNECTION CAGE	NORYL GFN2 + AISI 304
4	GIRANTE	POLICARBONATO	IMPELLER	POLYCARBONATE
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	DIFFUSORE	NORYL + ACCIAIO	DIFFUSEUR	NORYL GFN2 +AISI 304
7	ANELLO RACCORDO SUPPORTO SUP.	NORYL	UPPER SUPPORT CONNECTION RING	NORYL GFN2
8	DISTANZIATORE	POLICARBONATO	SPACER	POLYCARBONATE
9	PARASABBIA	NORYL	SAND GUARD	NORYL GFN2
10	DISTANZIATORE SUPPORTO SUPERIORE	ACCIAIO INOX AISI 304	SPACER UPPER SUPPORT	AISI 304
11	BRONZINA SUPPORTO SUPERIORE	GOMMA NBR	UPPER BEARING BUSH	RUBBER NBR
12	SUPPORTO SUPERIORE	NORYL	UPPER SUPPORT	NORYL GFN2
13	GUARNIZIONE FARFALLA	GOMMA NBR	VALVE GASKET	RUBBER NBR
14	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
15	ANELLO RACCORDO MANDATA	NORYL	RING CONNECTOR DELIVERY BOWL	NORYL GFN2
16 *	MANDATA	OTTONE	DELIVERY BOWL	BRASS
17	VITE M6X12	ACCIAIO INOX AISI 304	SCREW M6X12	AISI 304
18	GIUNTO DI TRAINO FLOTTANTE	ACCIAIO INOX AISI 304	FLOATING JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
23	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
24	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
25	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
26	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
27	N.2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N.2 SCREWS M4X10 FOR UPPER FLANGE	AISI 304
28	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
29	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 SUCTION STRAINER	AISI 304

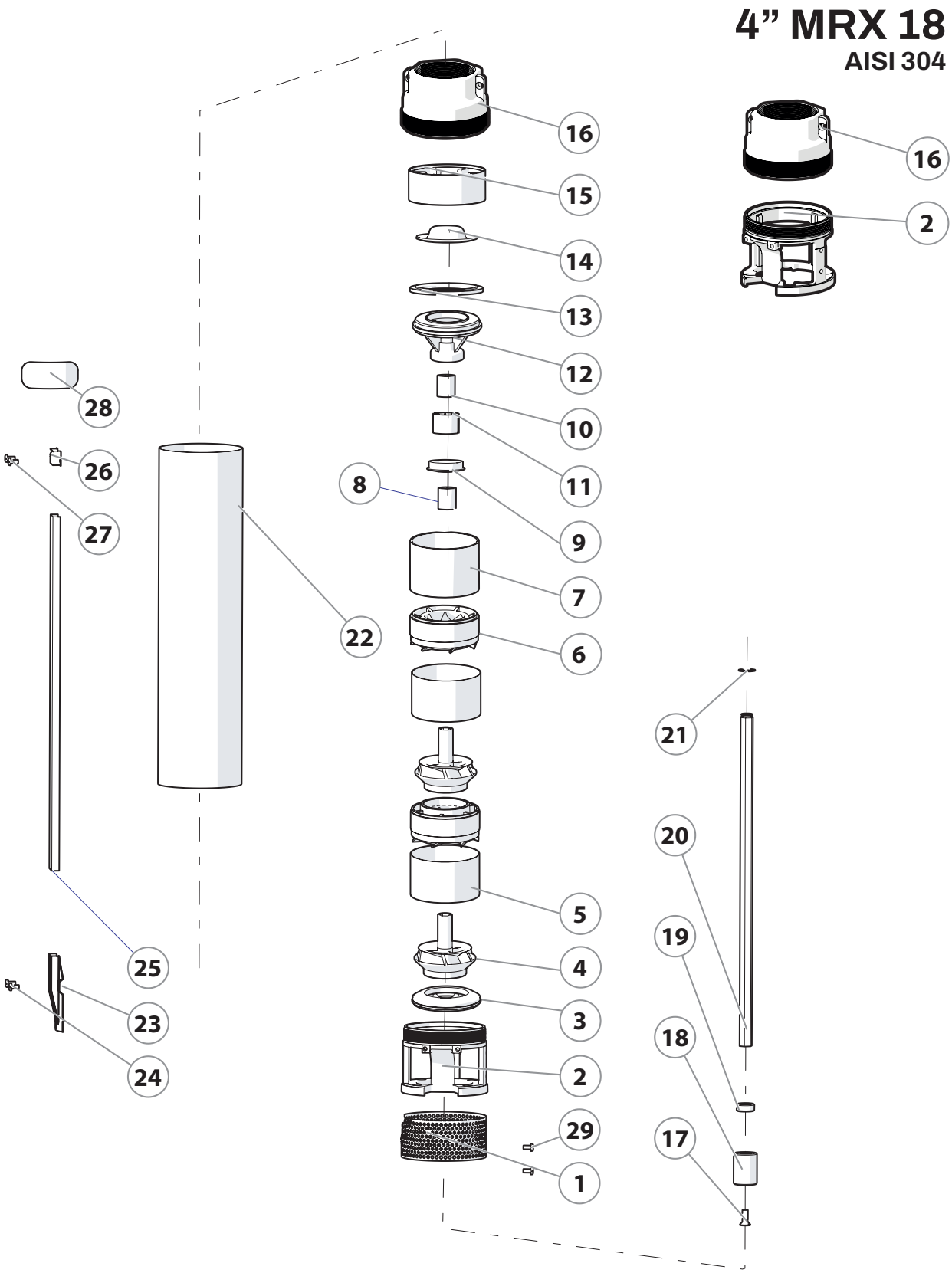
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D’ASPIRATION	LAITON	CUERPO DE ASPIRACION	LATON
3	DISQUE DE RACCORD ASPIRATION	NORYL + ACCIER	ANILLO ACOPLAMIENTO	NORYL + ACERO
4	ROUE	TECHOPOLYMER	IMPULSOR	TECHOPOLYMERO
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	DIFFUSEUR	NORYL + ACCIER	DIFUSOR	NORYL + ACERO
7	BAGUE DE RCCORD SUPPORT SUP.	NORYL	ANILLO ACOPLAM. SOPORTE SUP.	NORYL
8	ENTRETOISE	TECHOPOLYMER	DISTANCIADOR	TECHOPOLYMERO
9	PARA SABLE	NORYL	PROTECTOR ARENA	NORYL
10	SUPPORT SUPERIEURE SPACER	ACIER INOXYDABLE AISI 304	DISTANCIADOR SOPORTE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COUSSINET SUPPORT SUPERIEURE	CAOUTCHOUC NBR	COJINETE SOPORTE SUPERIOR	GOMA NBR
12	SUPPORT SUPERIEURE	NORYL	SOPORTE SUPERIOR	NORYL
13	VALVE GASKET	CAOUTCHOUC	JUNTA DE VALVULA	GOMA
14	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
15	RING CONNECTEUR PLAT	NORYL	ANILLO ACOPLAMIENTO IMPULSION	NORYL
16 *	REFOULEMENT	LAITON	CUERPO DE IMPULSION	LATON
17	VIS M6X12	ACIER INOXYDABLE AISI 304	TORNILLO M6X12	ACERO INOXIDABLE AISI 304
18	JOINT FLOTTANT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO FLOTANTE	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	POLICARBONATO	DISTANCIADOR PRIMER IMPULSOR	POLICARBONATO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
23	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	N. 2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
26	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
27	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
28	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
29	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304

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Pompa sommersa girante flottante
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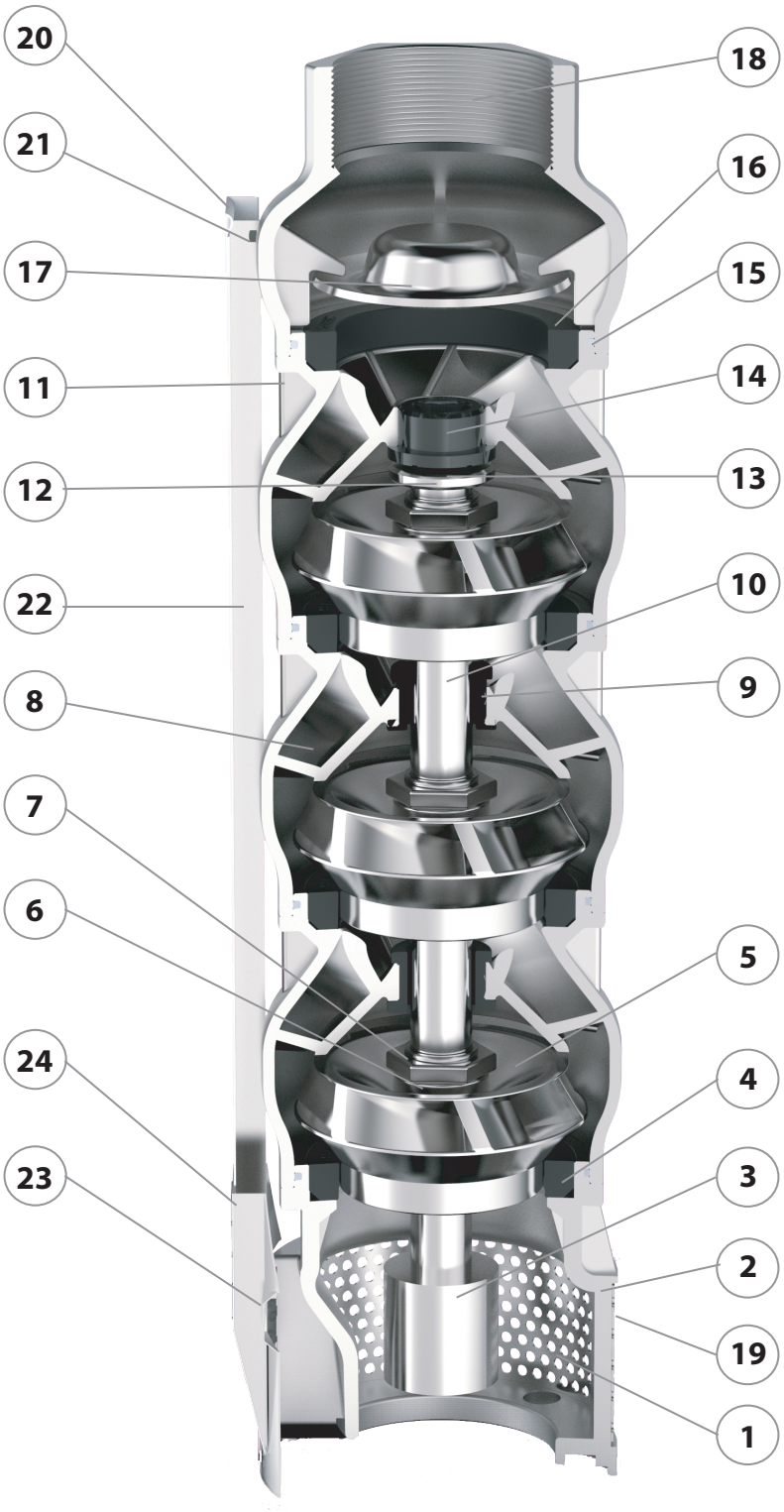
4” MR18 * **4” MRX18** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	OTTONE	SUCTION CAGE	BRASS
3	DISCO RACCORDO GABBIA	NORYL + ACCIAIO	DISC CONNECTION CAGE	NORYL GFN2 + AISI 304
4	GIRANTE	POLICARBONATO	IMPELLER	POLYCARBONATE
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	DIFFUSORE	NORYL + ACCIAIO	DIFFUSEUR	NORYL GFN2 +AISI 304
7	ANELLO RACCORDO SUPPORTO SUP.	NORYL	UPPER SUPPORT CONNECTION RING	NORYL GFN2
8	DISTANZIATORE	POLICARBONATO	SPACER	POLYCARBONATE
9	PARASABBIA	NORYL	SAND GUARD	NORYL GFN2
10	DISTANZIATORE SUPPORTO SUPERIORE	ACCIAIO INOX AISI 304	SPACER UPPER SUPPORT	AISI 304
11	BRONZINA SUPPORTO SUPERIORE	GOMMA NBR	UPPER BEARING BUSH	RUBBER NBR
12	SUPPORTO SUPERIORE	NORYL	UPPER SUPPORT	NORYL GFN2
13	GUARNIZIONE FARFALLA	GOMMA NBR	VALVE GASKET	RUBBER NBR
14	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
15	ANELLO RACCORDO MANDATA	NORYL	RING CONNECTOR DELIVERY BOWL	NORYL GFN2
16 *	MANDATA	OTTONE	DELIVERY BOWL	BRASS
17	VITE M6X12	ACCIAIO INOX AISI 304	SCREW M6X12	AISI 304
18	GIUNTO DI TRAINO FLOTTANTE	ACCIAIO INOX AISI 304	FLOATING JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
23	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
24	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
25	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
26	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
27	N.2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N.2 SCREWS M4X10 FOR UPPER FLANGE	AISI 304
28	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
29	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS M4X10 SUCTION STRAINER	AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D’ASPIRATION	LAITON	CUERPO DE ASPIRACION	LATON
3	DISQUE DE RACCORD ASPIRATION	NORYL + ACCIER	ANILLO ACOPLAMIENTO	NORYL + ACERO
4	ROUE	TECHOPOLYMER	IMPULSOR	TECHOPOLYMERO
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	DIFFUSEUR	NORYL + ACCIER	DIFUSOR	NORYL + ACERO
7	BAGUE DE RCCORD SUPPORT SUP.	NORYL	ANILLO ACOPLAM. SOPORTE SUP.	NORYL
8	ENTRETOISE	TECHOPOLYMER	DISTANCIADOR	TECHOPOLYMERO
9	PARA SABLE	NORYL	PROTECTOR ARENA	NORYL
10	SUPPORT SUPERIEURE SPACER	ACIER INOXYDABLE AISI 304	DISTANCIADOR SOPORTE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COUSSINET SUPPORT SUPERIEURE	CAOUTCHOUC NBR	COJINETE SOPORTE SUPERIOR	GOMA NBR
12	SUPPORT SUPERIEURE	NORYL	SOPORTE SUPERIOR	NORYL
13	VALVE GASKET	CAOUTCHOUC	JUNTA DE VALVULA	GOMA
14	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
15	RING CONNECTEUR PLAT	NORYL	ANILLO ACOPLAMIENTO IMPULSION	NORYL
16 *	REFOULEMENT	LAITON	CUERPO DE IMPULSION	LATON
17	VIS M6X12	ACIER INOXYDABLE AISI 304	TORNILLO M6X12	ACERO INOXIDABLE AISI 304
18	JOINT FLOTTANT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO FLOTANTE	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	POLICARBONATO	DISTANCIADOR PRIMER IMPULSOR	POLICARBONATO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
23	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	N. 2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
26	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
27	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
28	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
29	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304

4”MSX

Pompa sommersa elevata portata
High flow capacity submersible pump



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4” MSX

Pompa sommersa elevata portata
High flow capacity submersible pump

4” MSX 10, 14, 18

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	ACCIAIO INOX AISI 304	SUCTION CAGE	AISI 304
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	ACCIAIO INOX AISI 304	IMPELLER	AISI 304
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	ACCIAIO INOX AISI 304	DIFFUSEUR	AISI 304
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 4 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.4 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25% CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	MANDATA	ACCIAIO INOX AISI 304	DELIVERY BOWL	AISI 304
19	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW FOR SUCTION STRAINER	AISI 304
20	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
21	N. 2 VITI STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	N. 2 SCREW FOR UPPER FLANGE	AISI 304
22	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
23	N. 2 VITI STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	N. 2 SCREW FOR LOWER FLANGE	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304

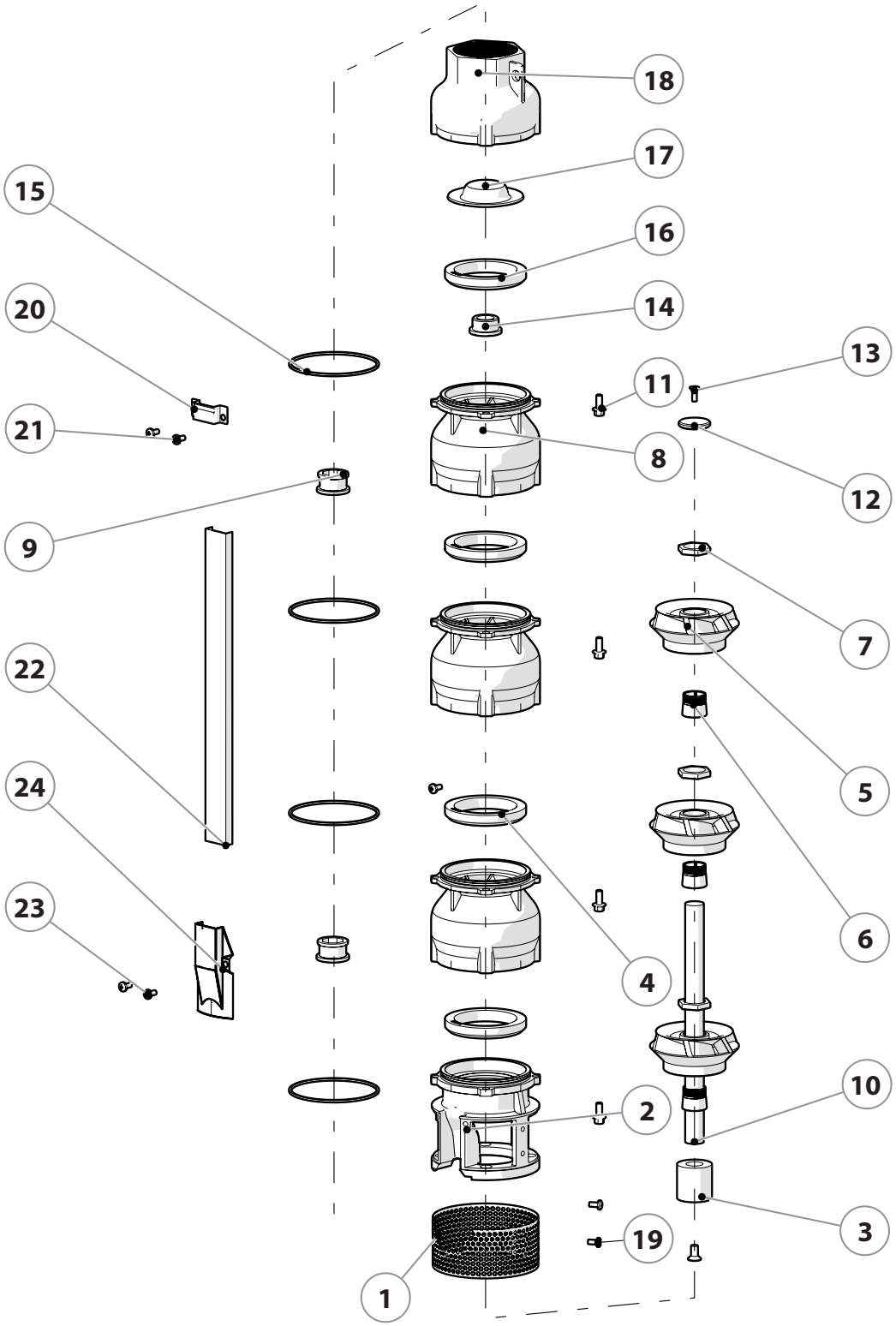
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D'ASPIRATION	ACIER INOXYDABLE AISI 304	CUERPO DE ASPIRACION	ACERO INOXIDABLE AISI 304
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	ACIER INOXYDABLE AISI 304	IMPULSOR	ACERO INOXIDABLE AISI 304
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	ACIER INOXYDABLE AISI 304	DIFUSOR	ACERO INOXIDABLE AISI 304
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 4 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N 4.TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TOROIDAL	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	REFOULEMENT	ACIER INOXYDABLE AISI 304	CUERPO DE IMPULSION	ACERO INOXIDABLE AISI 304
19	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
20	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
21	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
22	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
23	N.2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304

metro MADE IN ITALY

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4”MSX

Pompa sommersa elevata portata
High flow capacity submersible pump



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4” MSX

Pompa sommersa elevata portata
High flow capacity submersible pump

4” MSX 10, 14, 18

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	ACCIAIO INOX AISI 304	SUCTION CAGE	AISI 304
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	ACCIAIO INOX AISI 304	IMPELLER	AISI 304
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	ACCIAIO INOX AISI 304	DIFFUSEUR	AISI 304
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 4 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.4 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25% CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	MANDATA	ACCIAIO INOX AISI 304	DELIVERY BOWL	AISI 304
19	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW FOR SUCTION STRAINER	AISI 304
20	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
21	N. 2 VITI STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	N. 2 SCREW FOR UPPER FLANGE	AISI 304
22	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
23	N. 2 VITI STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	N. 2 SCREW FOR LOWER FLANGE	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D'ASPIRATION	ACIER INOXYDABLE AISI 304	CUERPO DE ASPIRACION	ACERO INOXIDABLE AISI 304
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	ACIER INOXYDABLE AISI 304	IMPULSOR	ACERO INOXIDABLE AISI 304
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	ACIER INOXYDABLE AISI 304	DIFUSOR	ACERO INOXIDABLE AISI 304
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 4 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N 4.TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TOROIDAL	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	REFOULEMENT	ACIER INOXYDABLE AISI 304	CUERPO DE IMPULSION	ACERO INOXIDABLE AISI 304
19	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
20	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
21	N. 2 VIS POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
22	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
23	N.2 VIS POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304

NOTES

6”

50Hz

MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Tolleranza alla sabbia 400 g/m³
Sand tolerance 400 g/m³
Tolérance au sable 400 g/m³
Tolerancia de arena 400 g/m³

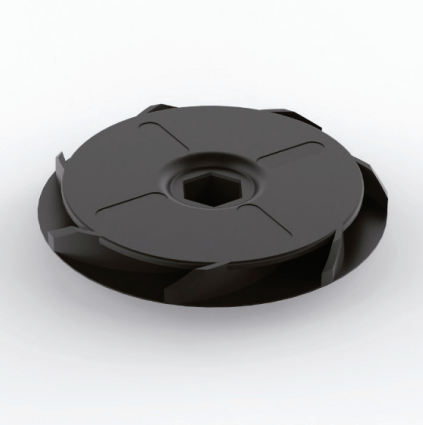
- Clean
- Civil
- Industry
- Fire
- Agriculture

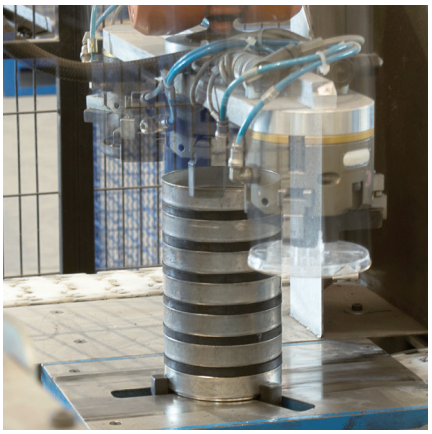


metro

MADE IN ITALY

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6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Girante Flottante Brevettata
Assemblaggio robotizzato
Massimo contenuto di sabbia: 400 g/m³

Patented Floating Impeller
Robotized assembly
Maximum sand content: 400 g/m³

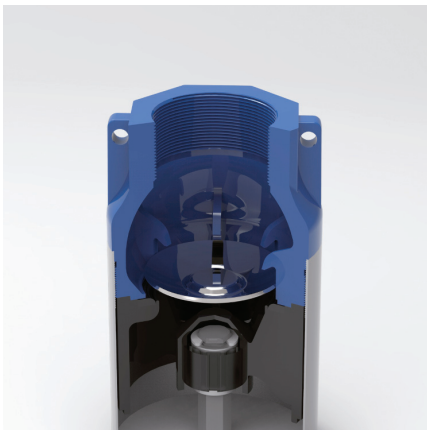
Brevet Roue Flottante
Assemblage robotisé
Tolérance de sable maximum: 400 g/m³

Rodete Flotante Patentado
Montaje robotizado
Maxima cantidad de arena: 400 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B







6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Girante e diffusore in Noryl, elemento in AISI 304
Valvola in acciaio inossidabile AISI 304

Impeller and diffuser in Noryl, Stainless Steel Casing AISI 304
Stainless Steel Cap Valve AISI 304

Roue et Diffuseur en Noryl, elément en Acier Inoxydable AISI 304
Clapet en acier inoxydable AISI 304

Rodete y Difusor en Noryl, elemento Intermedio en Acero Inoxydable AISI 304
Válvula de retención en acero inoxidable AISI 304

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro
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6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible



ELETTROPOMPE SOMMERSE INTUBATE 6” (SERIE 6”MR N/6” MRX N)

Le pompe sommerse della serie 140 MR N, nella gamma delle pompe sommerse 6’’, sono le uniche al mondo a montare una girante di tipo flottante a rasamento frontale. Tale concetto innovativo e brevettato permette di fare fronte a utilizzi gravosi e continui senza per questo rinunciare a prestazioni e rendimenti al vertice del settore, con una notevole competitività del prodotto su tutta la gamma anche a livello economico. Adatte a sollevamento di acqua pulita, per approvvigionamento idrico ad uso civile ed industriale, impianti di pressurizzazione , antincendio ed irrigazione, acquedotti.

VANTAGGI

Massimo rendimento, elevata resistenza all’usura da sabbia.
L’ottima qualità dei materiali ed il concetto costruttivo aumentano notevolmente la durata della pompa - riduzione al minimo della manutenzione

MATERIALI

I materiali di costruzione standard sono: Girante in tecnopolimero (Lexan) Diffusore in tecnopolimero (Lexan) Elemento intermedio in Acciao Inox AISI 304 Camicia esterna in Acciaio Inox AISI 304 Mandata e gabbia di aspirazione in ghisa meccanica G25. Inoltre, in aggiunta ai materiali della costruzione di serie, le pompe possono essere fornite con mandata e gabbia di aspirazione in ghisa meccanica G25 ma con valvola in Acciaio Inox AISI 304 incorporata. Nella versione MRX gabbia di aspirazione, mandata e valvola sono fornite in acciaio inox AISI 304 microfuso.

CAMPI DI PRESTAZIONE IDRAULICHE

Portate fino a 48 m³/h Prevalenze fino a 530 m.
Potenze fino a 37 Kw - 50 HP.
Massima quantità di sabbia tollerata nell’acqua: 400g/m³

ELECTRIC SUBMERSIBLE PUMPS CASED VERSION 6” (SERIES 140 MR N/140 MRX N)

The submersible pumps serie 140 MR N, in the range of 6’’ submersible pumps, are unique in the world for their use of a floating impeller with front shim adjustement. This innovative and patented concept provides to face continuous applications without renouncing to performances and efficiencies at the summit of this field, with a great competitiveness of the product in all range also to a economic level.
Suitable for clean water supply in domestic, industrial, pressure boosters, firefighting systems, irrigation and water system networks.

ADVANTAGES

- High Efficiency
- High wear resistance to sand
- Longer pump life thanks to the high quality of materials and to the specific floating impeller design
- Very low maintenance need

MATERIALS

The materials of standard execution are: Impeller in technopolymer (Lexan) Diffuser in technopolymer (Lexan) Intermediate casing in Stainless Steel AISI 304 External sleeve in Stainless Steel AISI 304 Delivery bowl and suction cage in mechanical cast iron G25. Besides standard construction the pumps can be manufactured with the Delivery Bowl and suction cage in precision Stainless Stell AISI 304.
Also Available with suction cage and delivery bowl in AISI 304 Stainless steel.

HYDRAULIC PERFORMANCES

Capacity up to 48 m³/h Manometric head up to 530 m. Power up to 37 Kw - 50 HP.
Maximum quantity of sand suspended in the water: 400g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro
MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible



ELECTROPOMPES IMMERGEES TUBEE 6” (SERIES 6” MR N/6” MRX N)

Les pompes immergées de la sèrie 140 MR N dans la gamme des pompes immergèes 6’’ sont unique au monde à monter une roue de type flottante.
Ce concept innovateur et brevetè permet de faire face a des utilisations lourdes et continues, sans toute fois, renoncer à des performances et rendement qui sont su sommet du secteur, avec une compètitivitè significatif du produit sur toute la gamme, ègalement au niveau èconomique.
Les pompes sont conçues pour des eaux claires dans toutes applications domestiques, industrielles, systèmes de surpression, groupe incendie, irrigation et réseaux d’eau publiques.

ADVANTAGES

- Haut rendement
- Résistance élevée à l’abrasion du sable
- Durée de vie très importante grâce à la qualité des matériaux et à la conception de la roue flottante
- Manutention réduite

MATERIAUX

Les matériaux d’execution standard sont les suivants: Roue en techno polymère (Lexan). Diffuseur en techno polymère (Lexan). Elément intermédiaire en Acier Inox AISI 304 Chemise de blocage en Acier Inox AISI 304. Pièce de refoulement et cage d’aspiration en fonte. Mécanique G 25. Outre aux matériaux de construction de série, les pompes peuvent être fournies avec des pièces de refoulement et cages d’aspiration en fonte mécanique G 25, avec le clapet de retenue en Acier INOX AISI 304 incorporée.
Disponible auusi avec cage d’aspiration et refoulement en acier inoxydable AISI 304.

PERFORMANCES HYDRAULIQUES

Capacitè jusqu’à 48 m³/h. Hauteur manometrique jusqu’à 530 m. Puissances jusqu’à 37 Kw - 50 HP.
Quantitè maximale de sable tolèrèe dans l’eau: 400 g/m

ELECTROBOMBAS SUMERGIDAS ENTUBADAS 6” (SERIES 6” MR N/ 6” MRX N)

Las bombas sumergidas de la serie 140 MR N, dentro de la gama de las bombas sumergidas de 6’’, son las únicas en el mundo con el rodete flotante. Este concepto innovador y patentado permite el utilizo en trabajos pesados y continuos sin por ello renunciar a prestaciones y rendimientos al top de su segmento, con una notable competitividad del producto en toda su gama a nivel económico. Concebida para el bombeo de aguas limpias en aplicaciones civiles e industriales para el suministro de agua a nivel domestico, industrial, en grupos de pression, systemas contra incendio, irrigacion y sistemas de agua publica.

VENTAJAS

- Elevada eficiencias
- Elevada resistencia a la abrasion por arena
- Durada de vida mas larga gracias a la calidad de los metriales y al concepto del impulsor flotante
- Manutencion minima

MATERIALES

Los materiales en ejecución standar son los siguientes: Rodete en technopolymero (Lexan). Difusor en technopolymero (Lexan). Elemento intermedio en Acero Inox AISI 304. Camisa externa en Acero Inox AISI 304. Cuerpo de aspiración y cuerpo de impulsión en fundición de hierro G25. Bajo demanda estan disponibles las versiones 140 MRX con aspiracion e impulsion en Acero Inoxidable AISI304, con la le válvula de retención en Acero InoxIdable AISI 304 incorporada.

PRESTACIONES HIDRAULICAS

Capacidad hasta 48 m³/h.
Altura manométrica hasta 530 m. Potencia hasta 37 Kw - 50 HP.
Cantidad máx. de arena contenida en el agua: 400 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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6” MR/MRX 8

Pompa sommersa girante flottante
Submersible pump floating impeller

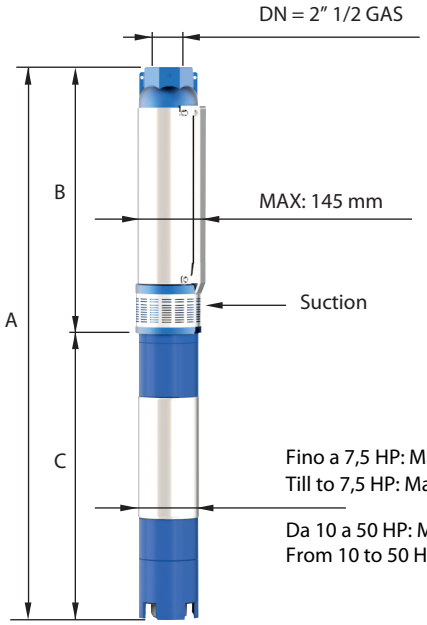
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	60	100	140	180
			l/sec	0	1	1,67	2,33	3
			m³/h	0	3,6	6	8,4	10,8
6” MR 8 N/06	2,20	3	H(m)	92	82	67	48	22
6” MR 8 N/08	3	4		123	109	90	63	29
6” MR 8 N/10	4	5,5		154	136	112	79	36
6” MR 8 N/14	5,50	7,5		215	191	157	111	51
6” MR 8 N/20	7,50	10		308	272	225	158	72
6” MR 8 N/24	9,20	12,5		369	327	270	190	87
6” MR 8 N/29	11	15		446	395	326	230	105
6” MR 8 N/34	13	17,5		523	463	382	269	123
6” MR 8 N/39	15	20		600	531	438	309	141

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MR 8 N/06	955	503	452	15	13
6” MR 8 N/08	1112	555	557	19	15
6” MR 8 N/10	1204	607	597	22	17
6” MR 8 N/14	1409	711	698	27	20
6” MR 8 N/20	1568	867	701	55	24
6” MR 8 N/24	1754	1003	751	60	26
6” MR 8 N/29	1944	1133	811	65	29
6” MR 8 N/34	2104	1263	841	70	33
6” MR 8 N/39	2324	1393	931	75	36



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 56 %

W/st = Assorbimento per stadio
W/st = Absorption par étage
W/st = Stage absorption
W/st = Potencia absorbida por etapa

Max 370

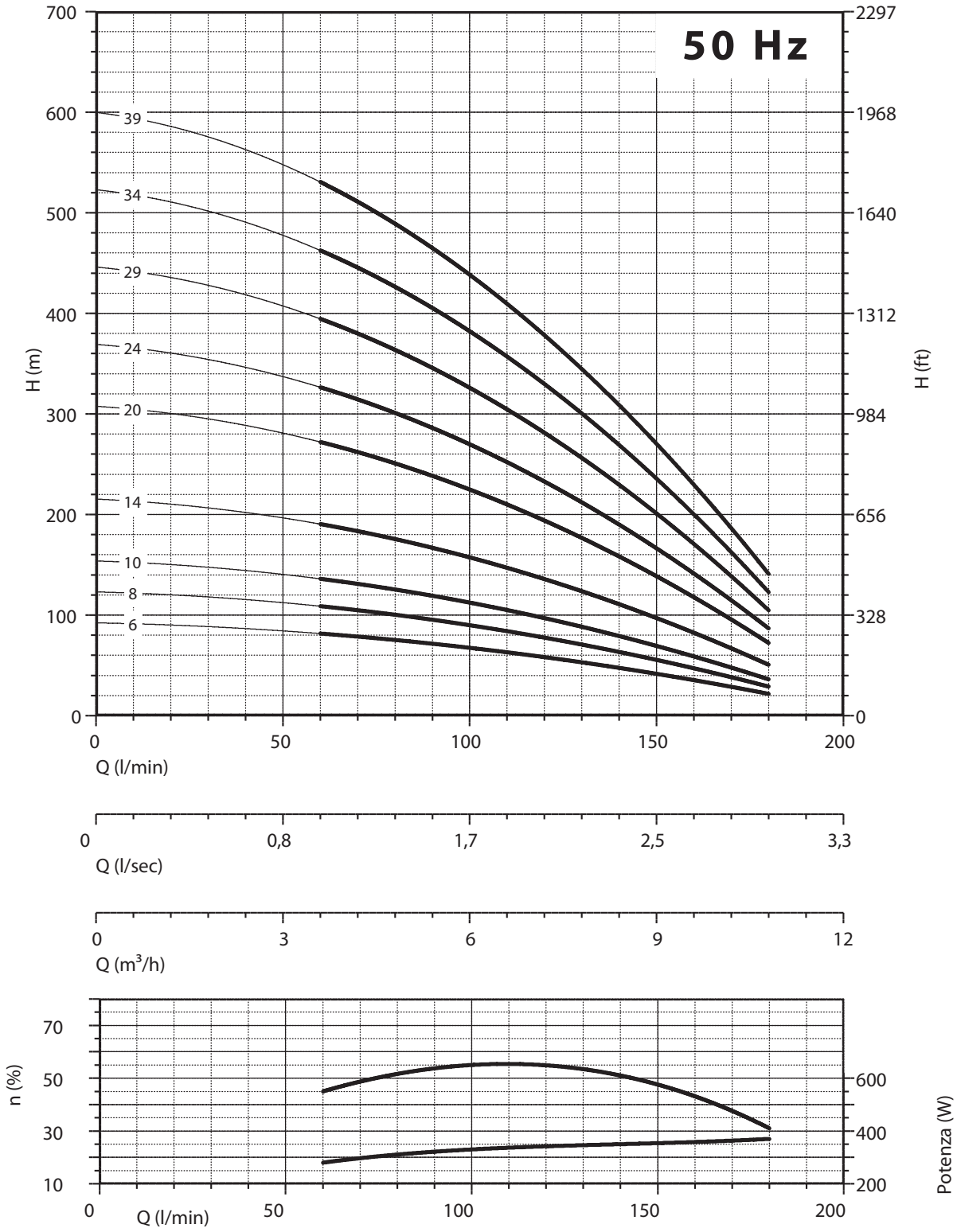
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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6” MR/MRX 8

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 8 - 6” MRX 8	2,2	2,2	3	4,8

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 9

Pompa sommersa girante flottante
Submersible pump floating impeller

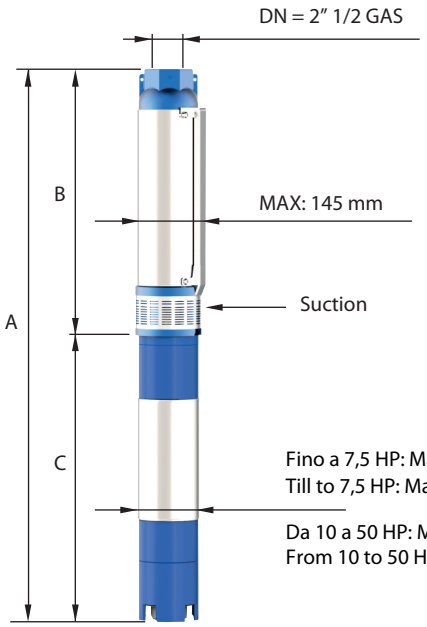
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	80	120	160	200	240
			l/sec	0	1,33	2	2,67	3,33	4
			m³/h	0	4,8	7,2	9,6	12,0	14,4
6” MR 9 N/05	2,20	3	H(m)	73	68	62	51	37	19
6” MR 9 N/07	3	4		102	96	86	72	51	27
6” MR 9 N/09	4	5,5		131	123	111	92	66	35
6” MR 9 N/12	5,50	7,5		175	164	148	123	88	46
6” MR 9 N/17	7,50	10		248	233	209	174	124	65
6” MR 9 N/20	9,20	12,5		292	274	246	205	146	77
6” MR 9 N/24	11	15		351	329	295	246	175	92
6” MR 9 N/29	13	17,5		424	397	357	297	212	111
6” MR 9 N/33	15	20		482	452	406	338	241	127

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MR 9 N/05	929	477	452	15	13
6” MR 9 N/07	1086	529	557	19	14
6” MR 9 N/09	1178	581	597	22	16
6” MR 9 N/12	1357	659	698	27	18
6” MR 9 N/17	1490	789	701	55	23
6” MR 9 N/20	1618	867	751	60	26
6” MR 9 N/24	1814	1003	811	65	30
6” MR 9 N/29	1974	1133	841	70	34
6” MR 9 N/33	2168	1237	931	75	38



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 61 %

W/st = Assorbimento per stadio
W/st = Absorption par étage
W/st = Stage absorption
W/st = Potencia absorbida por etapa

Max 451

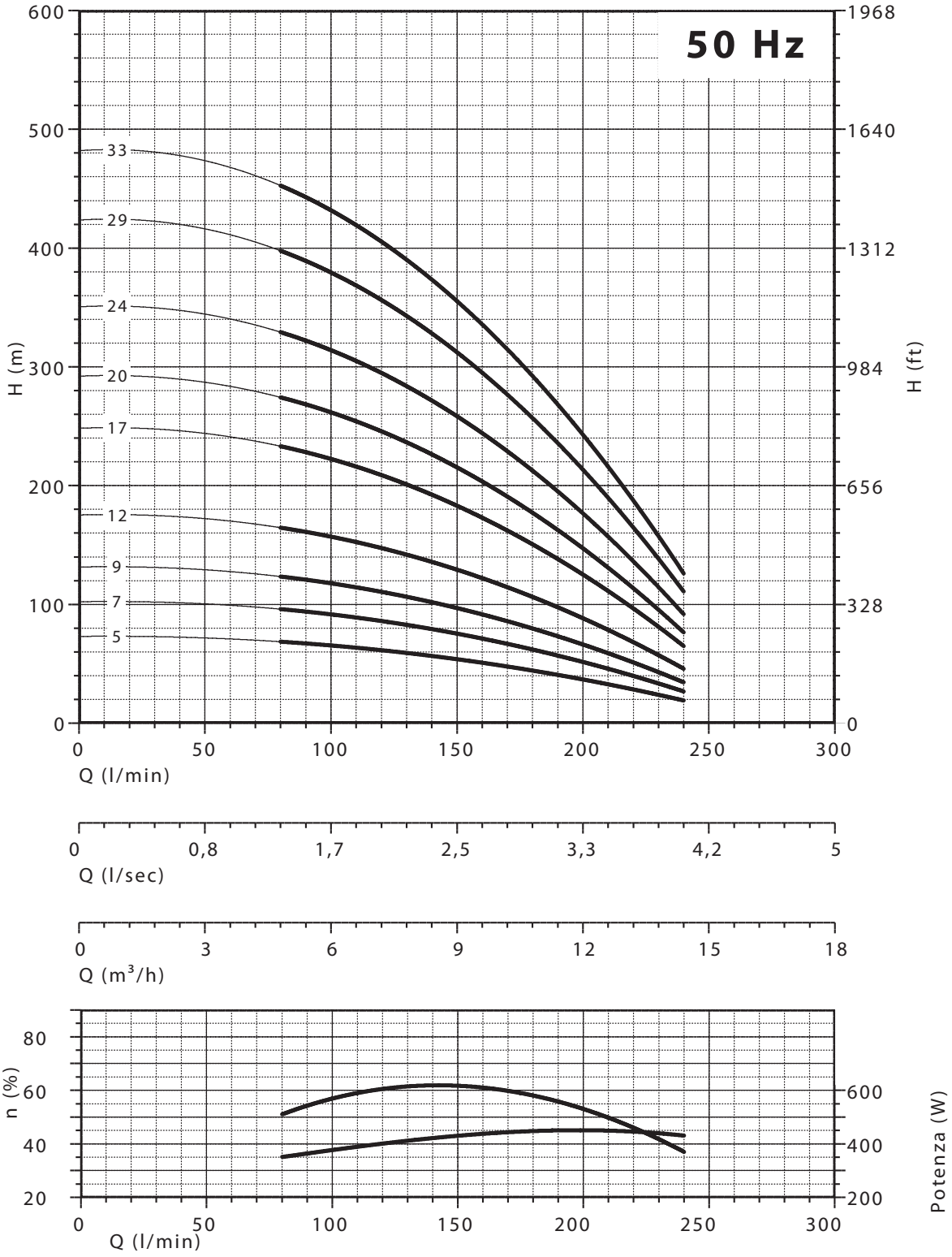
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 9

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 9 - 6” MRX 9	2,2	2,2	3	4,8

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 12

Pompa sommersa girante flottante
Submersible pump floating impeller

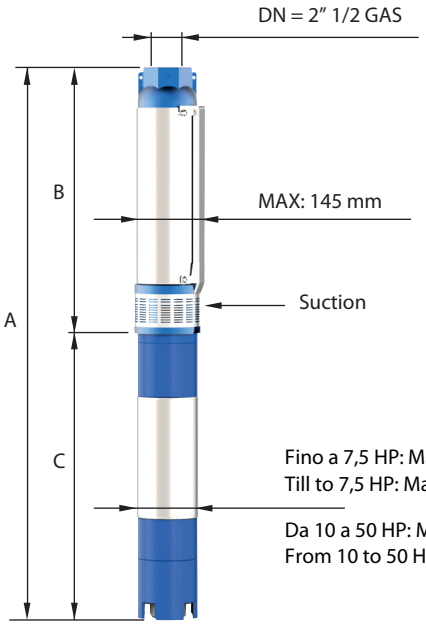
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	100	150	200	250	300
			l/sec	0	1,67	2,50	3,33	4,17	5
			m³/h	0	6	9	12	15	18
6” MR 12 N/05	3	4	H(m)	75	72	67	60	49	34
6” MR 12 N/06	4	5,5		90	87	81	72	59	40
6” MR 12 N/08	5,50	7,5		120	116	108	96	78	54
6” MR 12 N/12	7,50	10		180	174	162	144	117	80
6” MR 12 N/14	9,20	12,5		210	202	188	168	137	94
6” MR 12 N/17	11	15		255	246	229	204	166	114
6” MR 12 N/20	13	17,5		300	289	269	240	195	134
6” MR 12 N/23	15	20		345	333	310	276	224	154
6” MR 12 N/29	18,50	25		435	419	390	348	283	194
6” MR 12 N/34	22	30		510	492	458	408	332	228

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MR 12 N/05	1079	522	557	19	13
6” MR 12 N/06	1154	557	597	22	14
6” MR 12 N/08	1325	627	698	27	16
6” MR 12 N/12	1468	767	701	55	18
6” MR 12 N/14	1588	837	751	60	21
6” MR 12 N/17	1753	942	811	65	25
6” MR 12 N/20	1920	1079	841	70	29
6” MR 12 N/23	2115	1184	931	75	33
6” MR 12 N/29	2385	1394	991	83	37
6” MR 12 N/34	2640	1569	1071	92	40



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 62,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,65

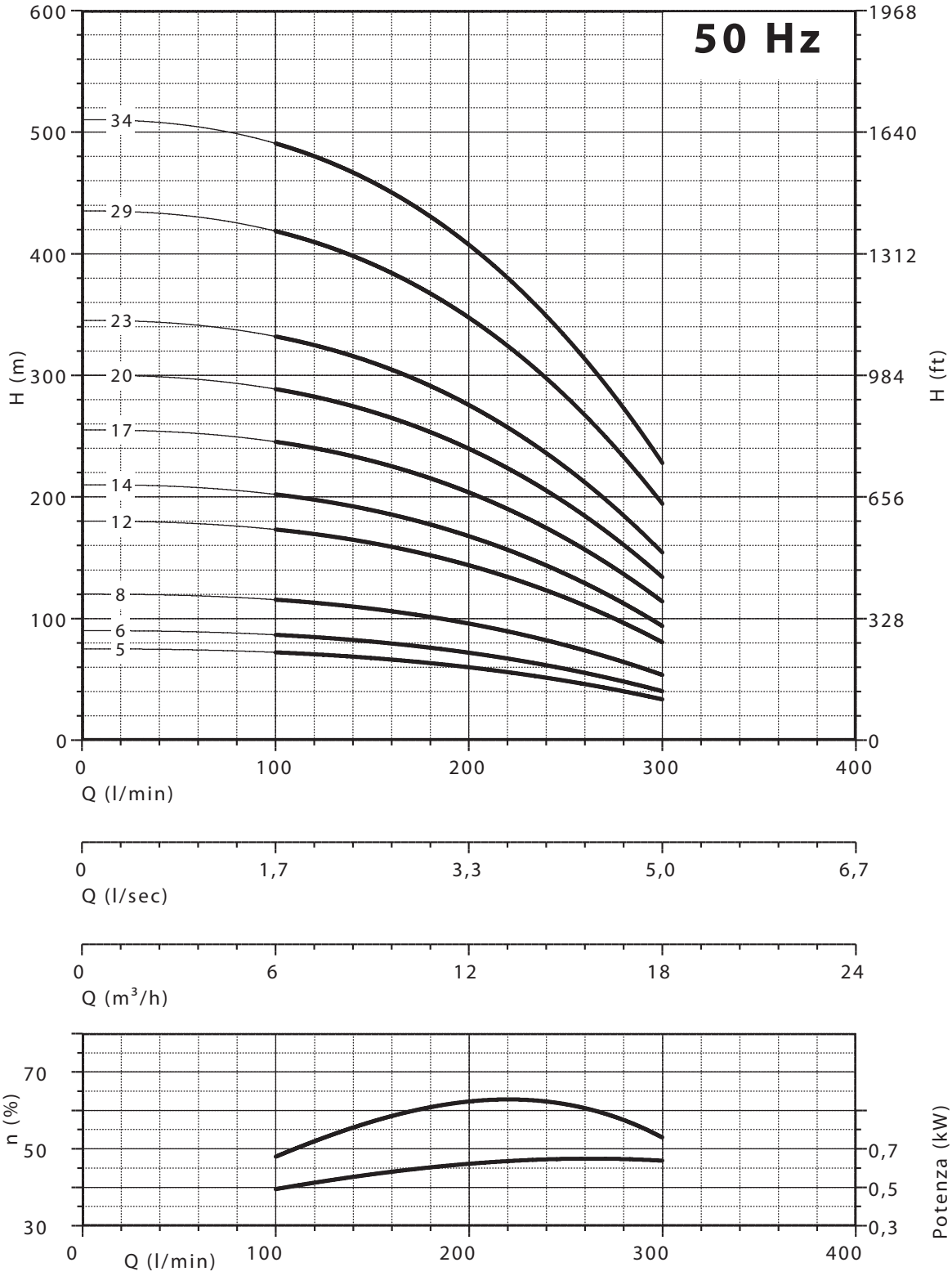
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 12

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 12 - 6” MRX 12	2,2	2,2	3	4,8

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 16

Pompa sommersa girante flottante
Submersible pump floating impeller

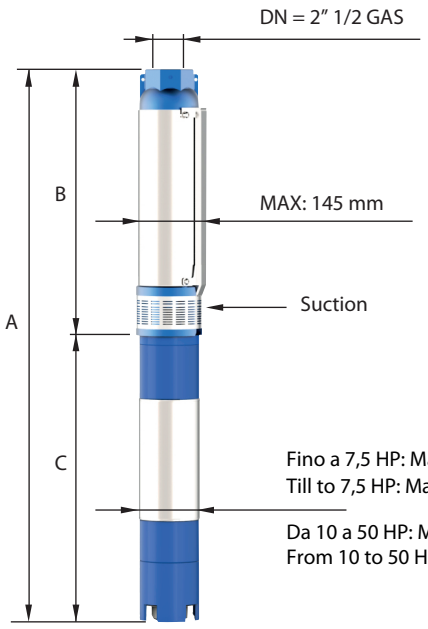
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	150	200	250	300	350	400
			l/sec	0	2,50	3,33	4,17	5	5,83	6,67
			m³/h	0	9	12	15	18	21	24
6” MR 16 N/04	3	4	H(m)	59	56	52	45	37	28	18
6” MR 16 N/05	4	5,5		74	71	65	57	47	34	22
6” MR 16 N/07	5,50	7,5		103	99	91	79	65	48	31
6” MR 16 N/09	7,50	10		133	127	117	102	84	62	40
6” MR 16 N/12	9,20	12,5		177	169	156	136	112	83	53
6” MR 16 N/14	11	15		207	197	182	158	130	96	62
6” MR 16 N/16	13	17,5		236	226	208	181	149	110	71
6” MR 16 N/19	15	20		281	268	247	215	177	131	84
6” MR 16 N/23	18,50	25		340	324	299	260	214	158	102
6” MR 16 N/28	22	30		414	395	364	316	260	193	124
6” MR 16 N/33	26	35		487	465	429	373	307	227	147
6” MR 16 N/38	30	40		561	536	494	429	353	261	169

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MR 16 N/04	1044	487	557	19	13
6” MR 16 N/05	1119	522	597	22	14
6” MR 16 N/07	1290	592	698	27	16
6” MR 16 N/09	1363	662	701	55	18
6” MR 16 N/12	1518	767	751	60	20
6” MR 16 N/14	1648	837	811	65	23
6” MR 16 N/16	1748	907	841	70	26
6” MR 16 N/19	1943	1012	931	75	30
6” MR 16 N/23	2143	1152	991	83	33
6” MR 16 N/28	2398	1327	1071	92	36
6” MR 16 N/33	2683	1502	1181	100	40
6” MR 16 N/38	2928	1677	1251	108	45



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 60 %

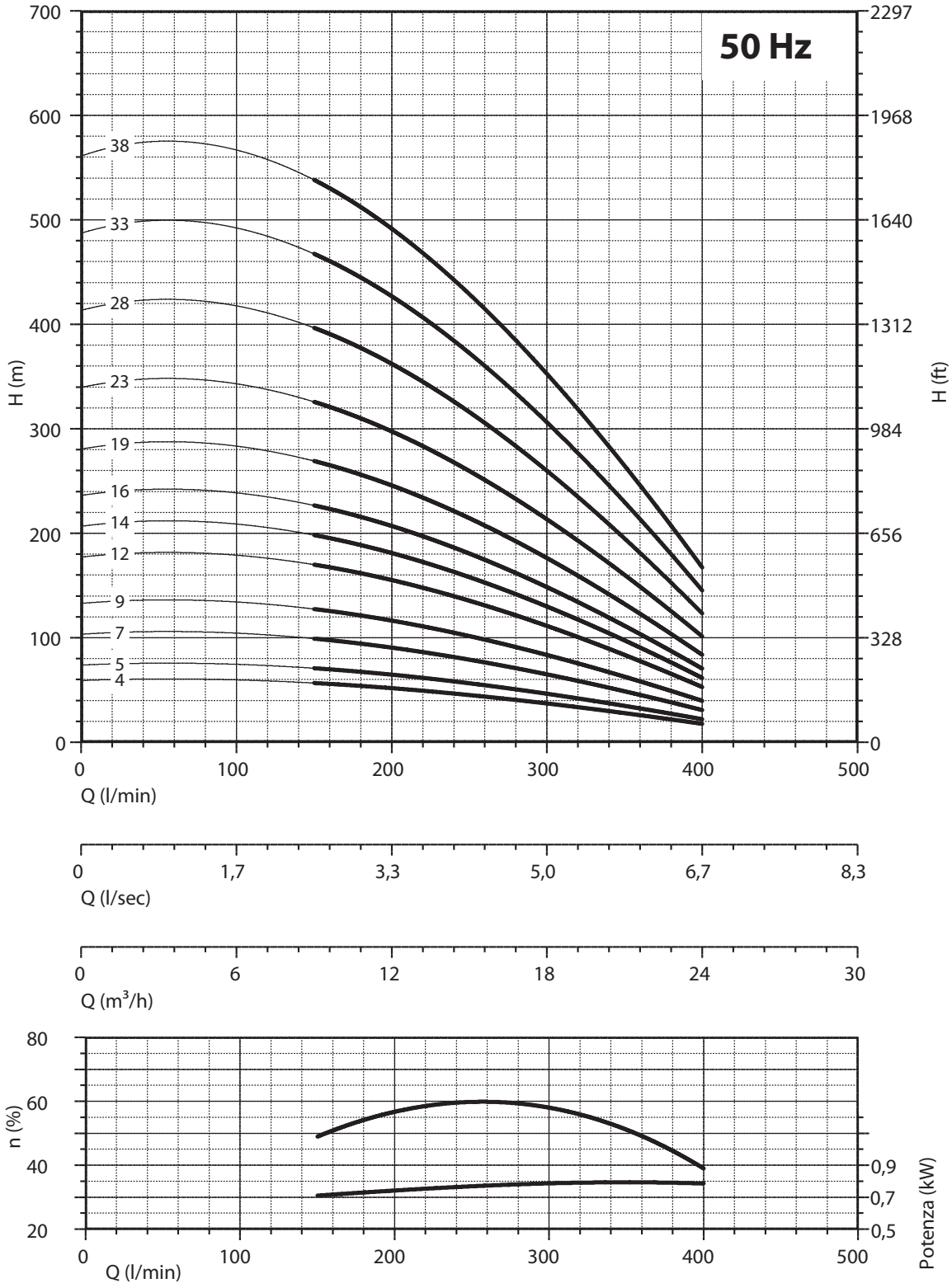
kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,793

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

6” MR/MRX 16

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 16 - 6” MRX 16	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 24

Pompa sommersa girante flottante
Submersible pump floating impeller

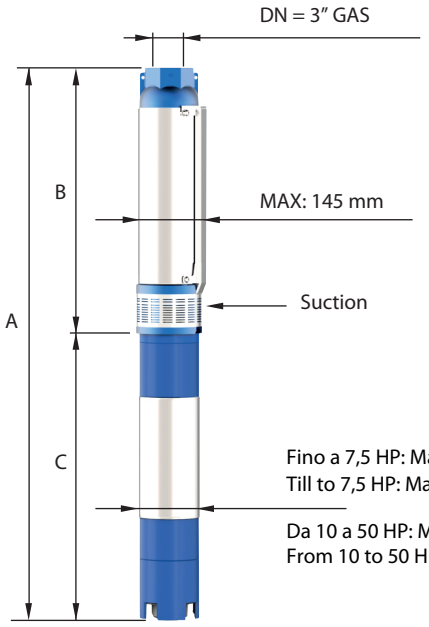
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	200	300	400	500	600
			l/sec	0	3,33	5	6,67	8,33	10
			m³/h	0	12	18	24	30	36
6” MR 24 N/03	3	4	H(m)	41	35	31	26	17	5
6” MR 24 N/04	4	5,5		55	46	41	34	22	6
6” MR 24 N/06	5,50	7,5		83	69	62	51	33	9
6” MR 24 N/08	7,50	10		110	92	82	68	45	12
6” MR 24 N/10	9,20	12,5		138	115	103	85	56	15
6” MR 24 N/12	11	15		165	138	124	102	67	18
6” MR 24 N/14	13	17,5		193	161	144	119	78	21
6” MR 24 N/16	15	20		220	184	165	136	89	24
6” MR 24 N/20	18,5	25		275	230	206	170	112	30
6” MR 24 N/24	22	30		330	276	247	204	134	36
6” MR 24 N/28	26	35		385	322	288	238	156	42
6” MR 24 N/33	30	40		454	380	340	281	184	50

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MR 24 N/03	1036	479	557	19	13
6” MR 24 N/04	1120	523	597	22	14
6” MR 24 N/06	1309	611	698	27	16
6” MR 24 N/08	1400	699	701	55	17
6” MR 24 N/10	1538	787	751	60	19
6” MR 24 N/12	1686	875	811	65	22
6” MR 24 N/14	1804	963	841	70	25
6” MR 24 N/16	1982	1051	931	75	27
6” MR 24 N/20	2218	1227	991	83	30
6” MR 24 N/24	2474	1403	1071	92	33
6” MR 24 N/28	2760	1579	1181	100	36
6” MR 24 N/33	3050	1799	1251	108	40



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 60,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,919

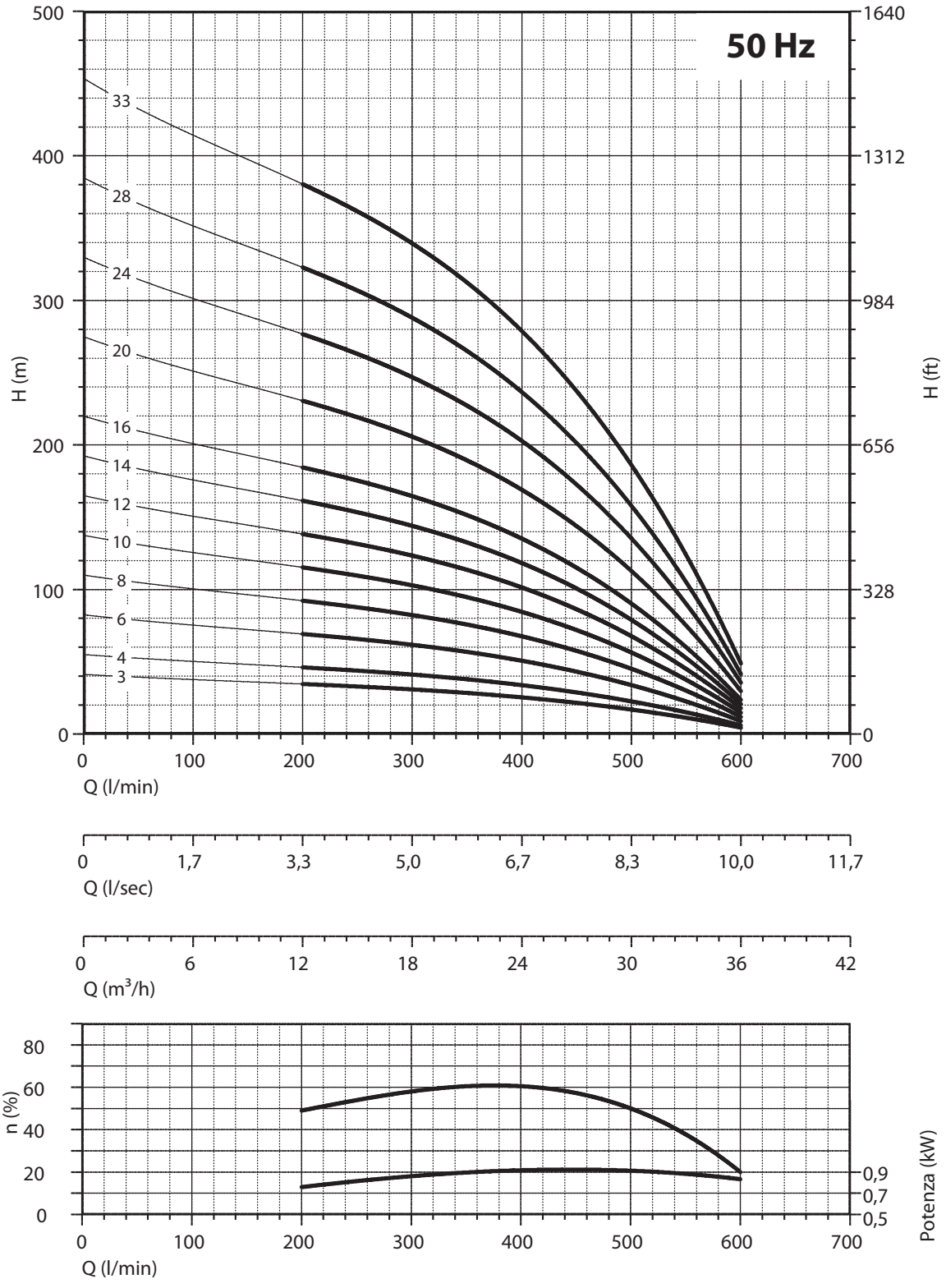
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 24

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 24 - 6” MRX 24	3	3	4,5	6,6

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 34

Pompa sommersa girante flottante
Submersible pump floating impeller

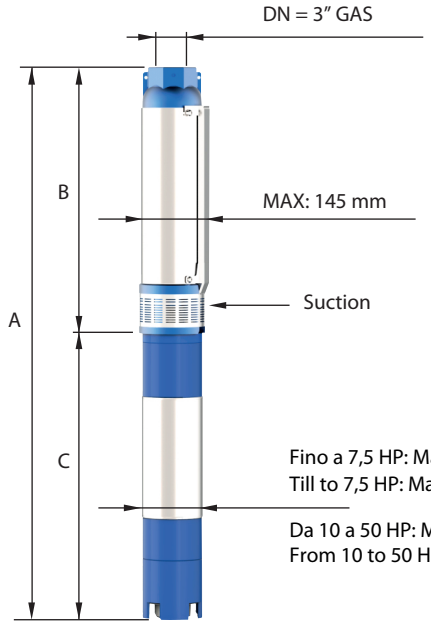
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	300	400	500	600	700	800
			l/sec	0	5	6,67	8,33	10	11,67	13,33
			m³/h	0	18	24	30	36	42	48
6” MR 34 N/04	5,50	7,5		55	48	44	37	30	20	8
6” MR 34 N/05	7,50	10		68	60	54	47	37	24	11
6” MR 34 N/07	9,20	12,5		96	84	76	65	52	34	15
6” MR 34 N/08	11	15		109	96	87	75	60	39	17
6” MR 34 N/09	13	17,5		123	108	98	84	67	44	19
6” MR 34 N/11	15	20	H(m)	150	132	120	103	82	54	23
6” MR 34 N/13	18,50	25		178	156	141	121	97	63	27
6” MR 34 N/16	22	30		219	192	174	149	119	78	34
6” MR 34 N/19	26	35		260	228	207	177	141	93	40
6” MR 34 N/22	30	40		301	264	239	205	164	107	46
6” MR 34 N/27	37	50		369	324	294	252	201	132	57

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MR 34 N/04	1281	583	698	27	15
6” MR 34 N/05	1343	642	701	55	16
6” MR 34 N/07	1511	760	751	60	19
6” MR 34 N/08	1630	819	811	65	20
6” MR 34 N/09	1719	878	841	70	22
6” MR 34 N/11	1927	996	931	75	24
6” MR 34 N/13	2105	1114	991	83	27
6” MR 34 N/16	2362	1291	1071	92	30
6” MR 34 N/19	2649	1468	1181	100	33
6” MR 34 N/22	2896	1645	1251	108	37
6” MR 34 N/27	3281	1940	1341	118	42



Fino a 7,5 HP: Max 96 mm
Till to 7,5 HP: Max 96 mm

Da 10 a 50 HP: Max 145 mm
From 10 to 50 HP: Max 145 mm

Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MRX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 57 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,39

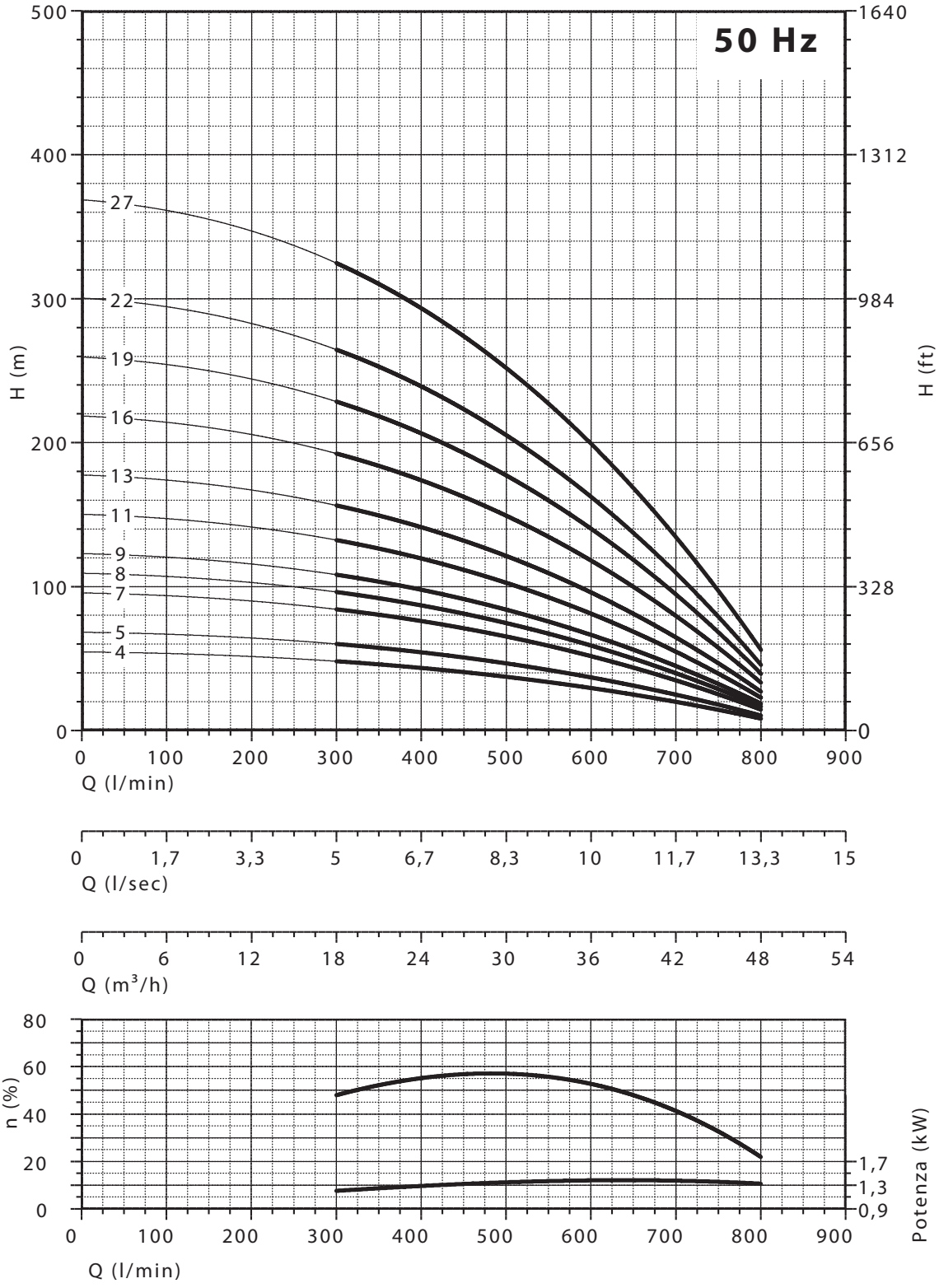
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX 34

Pompa sommersa girante flottante
Submersible pump floating impeller



NPSH (m)	25%	50%	75%	100%
6” MR 34 - 6” MRX 34	3,4	3,4	3,8	8

NOTES

6”

50Hz

MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

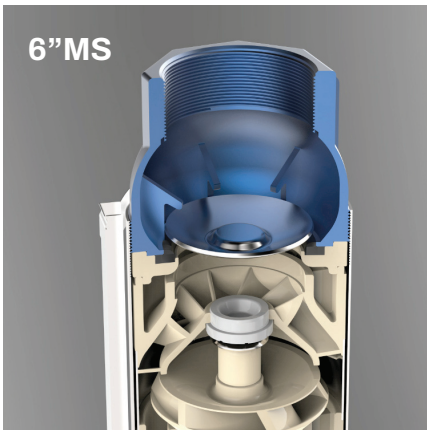
- Clean
- Civil
- Industry
- Fire
- Agriculture



metro

MADE IN ITALY

www.metropumps-italy.com







6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal

Girante semiassiale
Elevata portata: 54m³/ora – 900 l/min
Massimo contenuto di sabbia: 50 g/m³
6” MS Girante in Noryl , diffusore in Noryl , elemento intermedio e camicia esterna in AISI 304, mandata e gabbia di aspirazione in ghisa

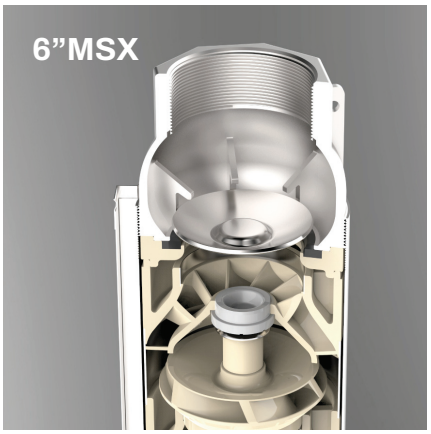
Semiaxial impeller
High capacity: 54 m³/h – 900 l/min
Maximum sand content: 50 g/m³
6” MS Impeller in Noryl , diffuser in Noryl , intermediate casing and external sleeve in AISI 304, delivery bowl and suction cage in cast iron

Roue semiaxiale
Débit très élevé: 54 m³/h – 900 l/min
Tolérance de sable maximum: 50 gr/m³
6” MS Turbine en Noryl, diffuseur en Noryl, corps intermédiaire et chemise extérieure en AISI 304, cuve de refoulement et cage d’aspiration en fonte

Impulsor semiaxial
Caudal elevado: 54 m³/h – 900 l/min
Máxima cantidad de arena: 50 gr/m³
6” MS Impulsor en Noryl, difusor en Noryl, cuerpo intermedio y camisa exterior en AISI 304, cuba de impulsión y jaula de aspiración en fundición gris.

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B







6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal

Girante semiassiale
Elevata portata: 54m³/ora – 900 l/min
Massimo contenuto di sabbia: 50 gr/m³
6” MSX Girante in Noryl , diffusore in Noryl , elemento intermedio e camicia esterna in AISI 304, mandata e gabbia di aspirazione in acciao inox microfuso AISI 304

Semiaxial impeller
High capacity: 54 m³/h – 900 l/min
Maximum sand content: 50 gr/m³
6” MSX Impeller in Noryl , diffuser in Noryl , intermediate casing and external sleeve in AISI 304, delivery bowl and suction cage in stainless steel AISI 304

Roue semiaxiale
Débit très élevé: 54 m³/h – 900 l/min
Tolérance de sable maximum: 50 gr/m³
6” MSX Turbine en Noryl, diffuseur en Noryl, corps intermédiaire et chemise extérieure en AISI 304, cuve de refoulement et cage d’aspiration en acier inoxydable AISI 304

Impulsor semiaxial
Caudal elevado: 54 m³/h – 900 l/min
Máxima cantidad de arena: 50 gr/m³
6” MSX Impulsor en Noryl, difusor en Noryl, cuerpo intermedio y camisa exterior en AISI 304, cuba de impulsión y jaula de aspiración en acero inoxidable AISI 304.

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal



ELETTROPOMPE SOMMERSE INTUBATE 6” (SERIE 6” MS N - 6” MSX N)
Le pompe con giranti semiassiali 6” MS / 6” MSX , sono pompe ad elevato rendimento idraulico.
Adatte al sollevamento di acqua pulita, per approvvigionamento idrico ad uso civile ed industriale, impianti di pressurizzazione, antincendio, irrigazione ed acquedotti.

VANTAGGI
Pompa estremamente compatta e robusta, facilità di montaggio e smontaggio, elevate prestazioni.
Corredata di contro-sospensione per evitare lo sfregamento delle giranti contro il corpo pompa.

MATERIALI
Girante e diffusore in Noryl GFN2,elemento intermedio in AISI 304, camicia esterna e minuteria varia in Aisi 304, griglia di aspirazione in Aisi 304.
Gabbia di aspirazione e mandata in ghisa G25 nella versione 6” MS.
Gabbia di aspirazione e mandata in acciaio inox Aisi 304 microfuso nella versione 6” MSX.
Contro-sospensione in PTFE+25 % Carbone.

CAMPI DI PRESTAZIONE IDRAULICHE
Portata fino a 54 m³/h, con prevalenze fino a 390 metri
Potenze elettriche fino a 37 kW (50 HP)
Massima quantità di sabbia tollerata: 50 g/m³.

ELECTRIC SUBMERSIBLE PUMPS CASED VERSION 6” (SERIES 6” MS N - 6” MSX N)
6” MS / 6” MSX are high efficiency semiaxial pumps suitable for clean water applications such as civil and industrial water supply, booster systems, firefighting systems, irrigation and water networks.

ADVANTAGES
Very compact pump, heavy duty construction easy assembly and disassembly, high performances.
Pump fitted with low friction counter trust for longer impeller life.

MATERIALS
Impellers and diffusers in GFN2 Noryl, AISI 304 stainless steel intermediate element, sleeve, strainer and screws.
Suction cage and delivery bowl in cast iron for 6” MS version.
Suction cage and delivery bowl in AISI 304 stainless steel for 6” MSX version.
Counter thrust in PTFE + 25% graphite.

HYDRAULIC PERFORMANCES
Capacity up to 54 m³/h and HMT up to 390 m. Motor power up to 37 kW-50 HP.
Maximum sand tolerance: 50 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal



ELECTROPOMPES IMMERGEES TUBEE 6” (SERIES 6” MS N - 6” MSX N)
Les pompes semiaxiales 6” MS / 6” MSX sont caractérisée per un rendement très élevé et conçues pour approvisionnement d’aux claires soit domestique soit industriel, pour systèmes de surpression, système contre-incendie, irrigation et réseaux d’eaux publiques

ADVANTAGES
Pompes très compactes, de construction très robuste, montage et démontage facile et rapide.
Hautes performances. La construction prévoit une contre suspension à baisse friction pour une vie utile des roues très importante.

MATERIAUX
Roues et diffuseurs en Noryl GFN2, élément intermédiaire, chemise, crépine et vis en acier inoxydable AISI 304.
Cage d’aspiration et refoulement en fonte pour la version 6” MS.
Cage d’aspiration et refoulement en acier inoxydable AISI 304 pour la version 6” MSX.
Contre suspension en PTFE+25% graphite.

PERFORMANCES HYDRAULIQUES
Débit jusqu’à 54 m³/h et hauteur jusqu’à 390 m.
Puissance moteur jusqu’à 37 kW-50 CV .
Quantité maxi de sable: 50 g/m³.

ELECTROBOMBAS SUMERGIDAS ENCAPSULADAS 6” (SERIES 6” MS N - 6” MSX N)
Las bombas semiaxiales 6” MS / 6” MSX ofrecen una eficiencia muy elevada para aplicaciones con agua limpia de tipo doméstico e industrial, para sistemas de presion, y sistemas contraincendio, riego y sistema de aguas públicas.

VENTAJAS
Bombas de contrución muy robusta y compacta, montaje y desmontaje fácil y rápido.
Prestaciones elevadas.
Contra suspensión para extender la durabilidad de los impulsores.

MATERIALES
Impulsores y difusores en NORYL GFN2, elemento intermedio, camisa, rejilla y tornillos en acero inoxydable AISI 304.
Aspiración e impulsion en hierro fundido en la serie 6” MS.
Aspiracion y impulsion en acero inoxidable AISI 304 en la serie 6” MSX.
Contra suspensión en PTFE+25% graphite.

PRESTACIONES HIDRAULICAS
Caudal hasta 54 m³/h y altura hasta 390 m.
Potencia motor hasta 37 kW-50 HP.
Máxima cantidad de arena: 50 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MS/MSX 36

Pompa sommersa elevata portata girante semiassiale
High flow submersible pump semiaxial impeller

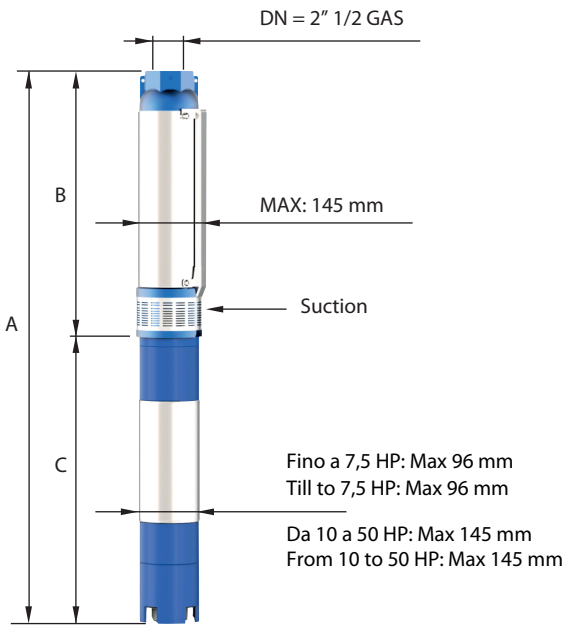
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	300	400	500	600	700
			l/sec	0	5	6,67	8	10	11,67
			m³/h	0	18	24	30	36	42
6” MS 36 N/03	3	4,0	H(m)	37	30	28	25	22	17
6” MS 36 N/04	4	5,5		49	40	37	34	29	23
6” MS 36 N/06	5,50	7,5		74	59	56	50	43	35
6” MS 36 N/08	7,50	10		98	79	74	67	58	46
6” MS 36 N/10	9,20	12,5		123	99	93	84	72	58
6” MS 36 N/12	11	15		147	119	112	101	86	69
6” MS 36 N/14	13	17,5		172	139	130	118	101	81
6” MS 36 N/16	15	20		196	158	149	134	115	92
6” MS 36 N/20	18,50	25		245	198	186	168	144	115
6” MS 36 N/23	22	30		282	228	214	193	166	132

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MS 36 N/03	1020	568	452	15	13
6” MS 36 N/04	1261	664	597	22	14
6” MS 36 N/06	1554	856	698	27	15,5
6” MS 36 N/08	1866	1048	818	32	16
6” MS 36 N/10	1991	1240	751	60	17,5
6” MS 36 N/12	2243	1432	811	65	19
6” MS 36 N/14	2465	1624	841	70	21
6” MS 36 N/16	2747	1816	931	75	25
6” MS 36 N/20	3191	2200	991	83	27
6” MS 36 N/23	3559	2488	1071	92	29



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MSX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76,3 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,93

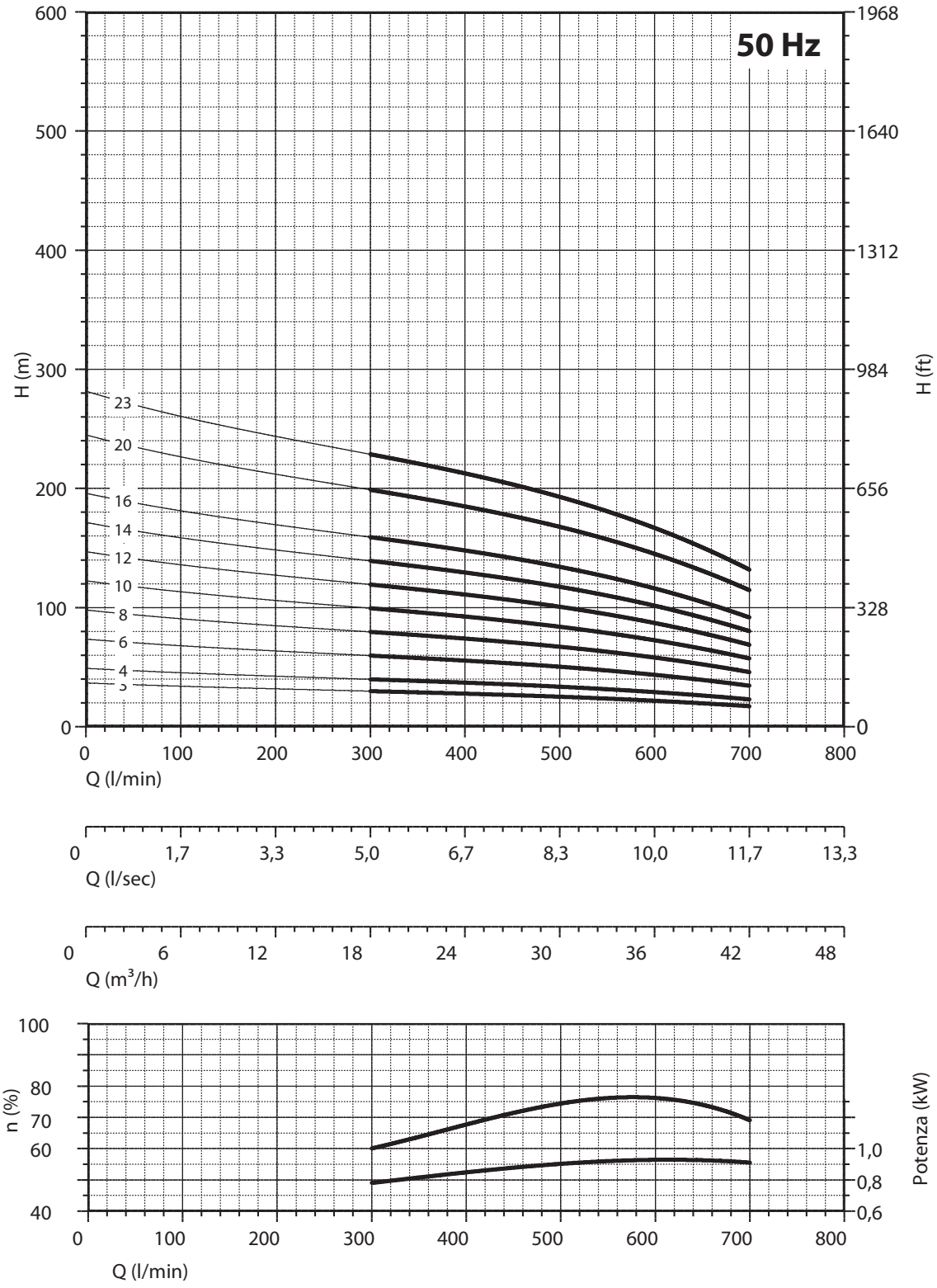
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MS/MSX 36

Pompa sommersa elevata portata girante semiassiale
High flow submersible pump semiaxial impeller



NPSH (m)	25%	50%	75%	100%
6” MS36 - 6”MSX36	3,4	3,4	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MS/MSX 42

Pompa sommersa elevata portata girante semiassiale
High flow submersible pump semiaxial impeller

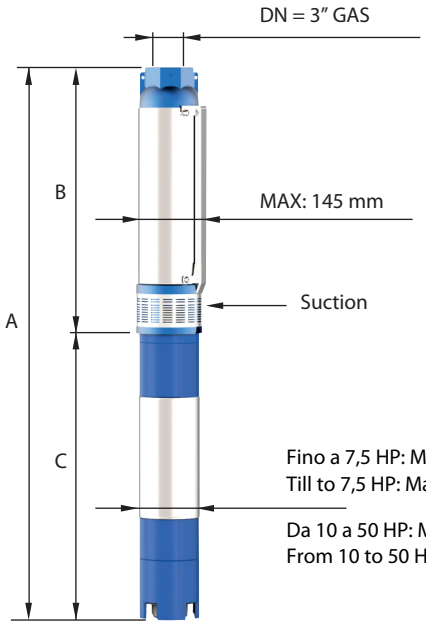
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	400	500	600	700	800	900
			l/sec	0	6,67	8,33	10	11,67	13,33	15
	kW	HP	m³/h	0	24	30	36	42	48	54,0
6” MS 42 N/03	4	5,5	H(m)	35	29	27	26	23	19	15
6” MS 42 N/04	5,50	7,5		46	39	37	34	30	25	20
6” MS 42 N/06	7,50	10		69	59	55	51	45	38	30
6” MS 42 N/07	9,20	12,5		81	68	64	60	53	44	35
6” MS 42 N/09	11	15		104	88	82	77	68	57	45
6” MS 42 N/11	13	17,5		127	107	101	94	83	70	55
6” MS 42 N/12	15	20		138	117	110	102	90	76	60
6” MS 42 N/15	18,50	25		173	146	137	128	113	95	75
6” MS 42 N/18	22	30		207	176	165	153	135	114	90
6” MS 42 N/22	26	35		253	215	201	187	165	140	110

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MS 42 N/03	1165	568	597	22	13
6” MS 42 N/04	1362	664	698	27	14
6” MS 42 N/06	1674	856	818	32	15,5
6” MS 42 N/07	1703	952	751	60	16
6” MS 42 N/09	1955	1144	811	65	17,5
6” MS 42 N/11	2177	1336	841	70	19
6” MS 42 N/12	2363	1432	931	75	21
6” MS 42 N/15	2711	1720	991	83	25
6” MS 42 N/18	3079	2008	1071	92	27
6” MS 42 N/22	3573	2392	1181	100	29



Versioni disponibili - Available versions
Versions disponibles - Versiones disponibles



6” MSX

Gabbia di aspirazione e mandata (con piattello) in AISI 304 microfuso

Suction cage and delivery bowl (with cap valve) in AISI 304 casted

Cage d’aspiration et bol de refoulement (avec clapet) en fonte AISI 304

Jaula de succión y cubeta de impulsión (con válvula de tapa) en fundición AISI 304

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,18

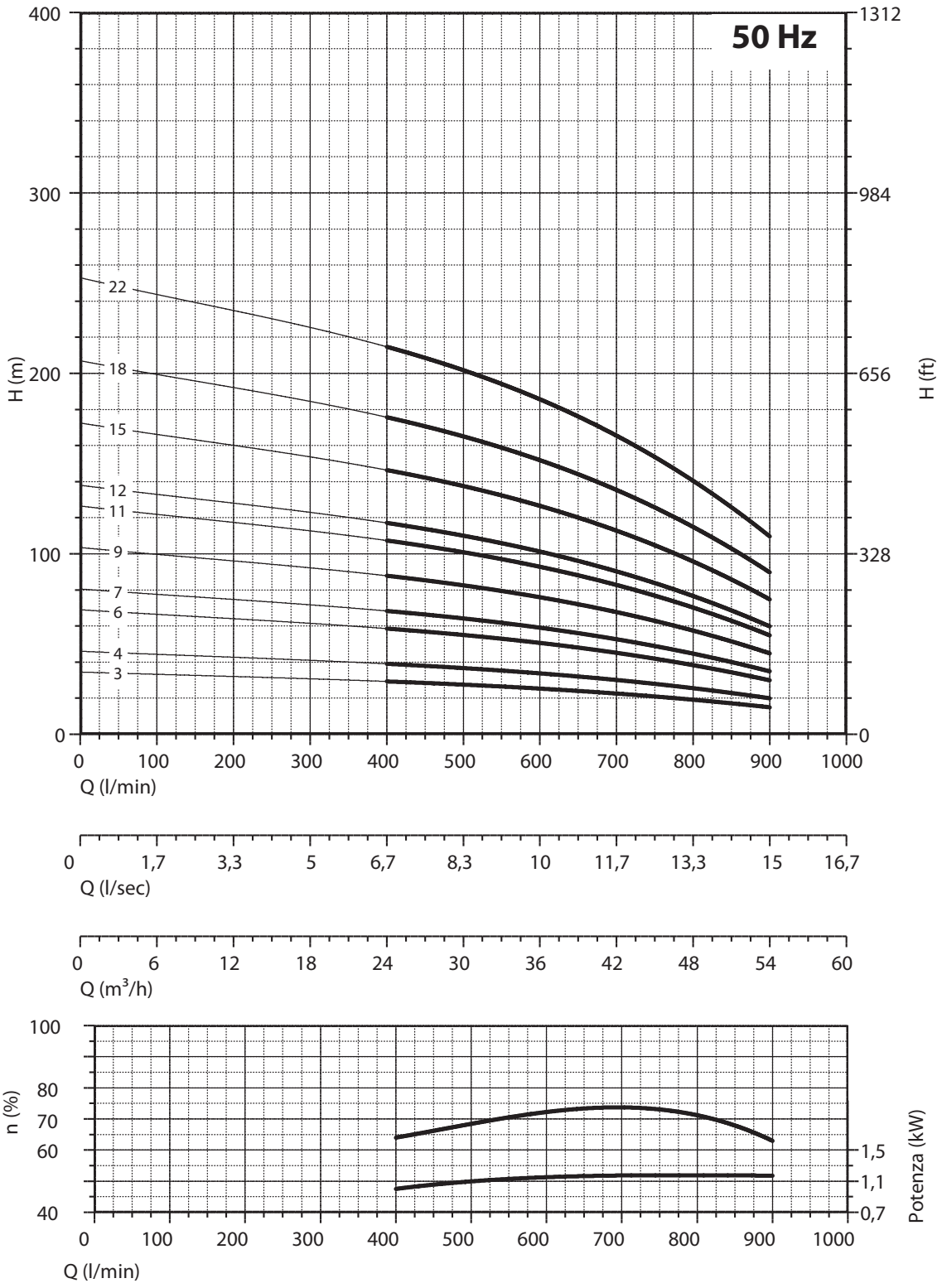
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MS/MSX 42

Pompa sommersa elevata portata girante semiassiale
High flow submersible pump semiaxial impeller



NPSH (m)	25%	50%	75%	100%
6” MS 42 - 6” MSX 42	3,4	3,6	4,5	6,5

NOTES

6”

50Hz

MR/MRX



- Clean
- Civil
- Industry
- Fire
- Agriculture

Pompa sommersa girante flottante
Submersible pump floating impeller
Pompe submersible à turbine flottante
Impulsor flotante de bomba sumergible

Tolleranza alla sabbia 400 g/m³
Sand tolerance 400 g/m³
Tolérance au sable 400 g/m³
Tolerancia de arena 400 g/m³

MS/MSX



Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller
Pompe submersible à haut débit avec roue semi-axiale
Impulsor semiaxial de bomba sumergible de alta capacidad de caudal

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

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MADE IN ITALY

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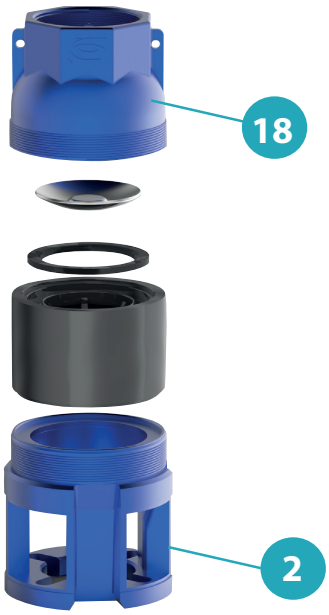
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6” MR/MRX

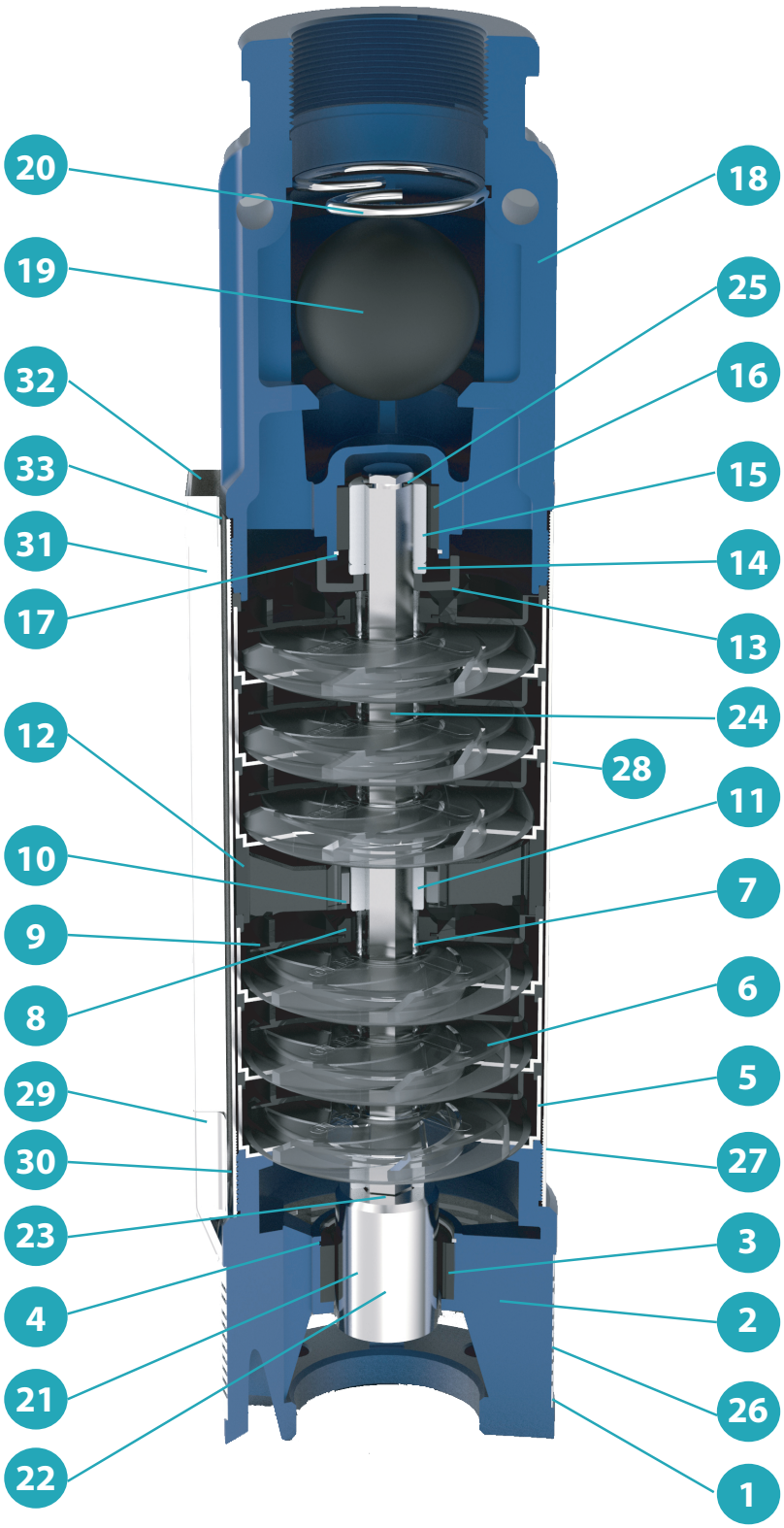
Pompa sommersa girante flottante
Submersible pump floating impeller

6” QR
with cap valve (cast iron)



6” QRX
AISI 304





metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller

6” MR * **6” MRX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	BRONZINA PER GABBIA	GOMMA NBR	BEARING BUSH FOR SUCTION CAGE	RUBBER NBR
4	SEEGER BRONZINA	ACCIAIO INOX AISI 304	SEEGER BEARING BUSH	AISI 304
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	GIRANTE	NORYL GFN2	IMPELLER	NORYL GFN2
7	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
8	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
9	DIFFUSORE	NORYL GFN2	DIFFUSER	NORYL GFN2
10	BRONZINA SUPPORTO INTERMEDIO	GOMMA NBR	INTERMEDIATE BEARING BUSH	RUBBER NBR
11	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
12	SUPPORTO INTERMEDIO	NORYL GFN2	INTERMEDIATE SUPPORT	NORYL GFN2
13	ANELLO GUARNIZIONE MANDATA	NORYL GFN2	RING GASKET VALVE	NORYL GFN2
14	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
15	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
16 *	MANDATA	GHISA	DELIVERY BOWL	CAST IRON
17	GRANO PER GIUNTO	ACCIAIO INOX AISI 304	SCREW	AISI 304
18	GIUNTO DI TRAINO	ACCIAIO INOX AISI 304	JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW M4X8 SUCTION STRAINER	AISI 304
23	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
24	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
25	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
26	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
27	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
28	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
29	N.2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N .2 SCREW M4X10 FOR UPPER FLANGE	AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	BEARING BUSH POUR CAGE D’ASPIRATION	CAOUTCHOUC NBR	COJINETE CUERPO DE ASPIRACION	GOMA NBR
4	SEEGER BEARING BUSH	ACIER INOXYDABLE AISI 304	SEEGER POR COJINETE	ACERO INOXIDABLE AISI 304
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	ROUE	NORYL GFN2	IMPULSOR	NORYL GFN2
7	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
9	DIFFUSEUR	NORYL GFN2	DIFUSOR	NORYL GFN2
10	COUSSINET BEARING BUSH	CAOUTCHOUC NBR	COJINETE SOPORTE INTERMEDIO	GOMA NBR
11	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
12	SUPPORT INTERMEDIARE	NORYL GFN2	SOPORTE INTERMEDIO	NORYL GFN2
13	ANNEAU VALVE GASKET	NORYL GFN2	JUNTA PARA VALVULA	NORYL GFN2
14	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
15	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
16 *	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
17	VIS	ACIER INOXYDABLE AISI 304	TORNILLO POR ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
18	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	TECHNOPOLYMER	DISTANCIADOR PRIMER IMPULSOR	TECHNOPOLYMERO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	N.2 VIS M4X8 POUR CREPINE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
23	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
24	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
25	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
26	N. 2 VIS M4X10 POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
27	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
28	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
29	N. 2 VIS M4X10 POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304

metro MADE IN ITALY

www.metropumps-italy.com

6” MR/MRX

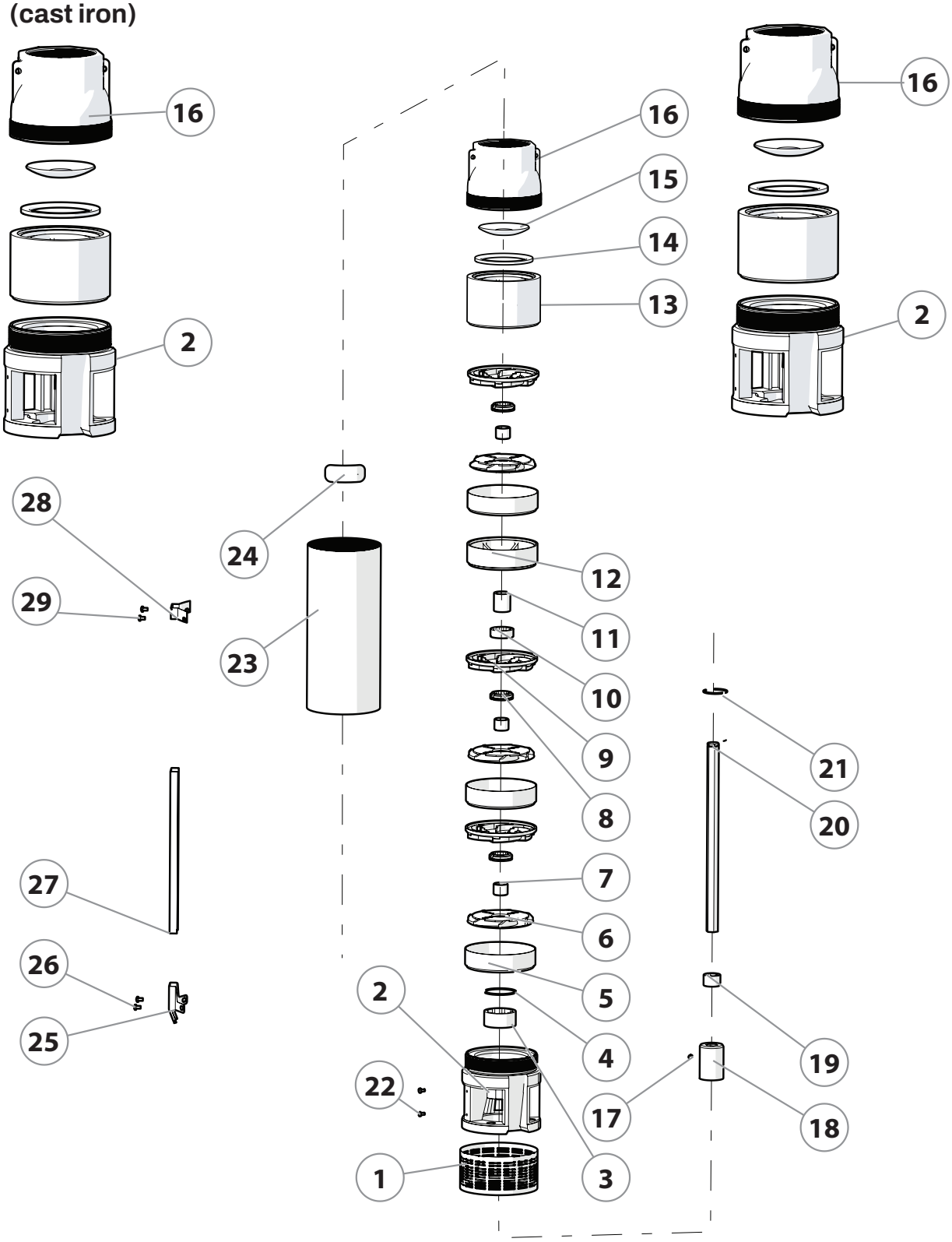
Pompa sommersa girante flottante
Submersible pump floating impeller

6” MR

with cap valve (cast iron)

6” MRX

AISI 304



6” MR/MRX

Pompa sommersa girante flottante
Submersible pump floating impeller

6” MR * **6” MRX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2 *	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	BRONZINA PER GABBIA	GOMMA NBR	BEARING BUSH FOR SUCTION CAGE	RUBBER NBR
4	SEEGER BRONZINA	ACCIAIO INOX AISI 304	SEEGER BEARING BUSH	AISI 304
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	GIRANTE	NORYL GFN2	IMPELLER	NORYL GFN2
7	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
8	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
9	DIFFUSORE	NORYL GFN2	DIFFUSER	NORYL GFN2
10	BRONZINA SUPPORTO INTERMEDIO	GOMMA NBR	INTERMEDIATE BEARING BUSH	RUBBER NBR
11	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
12	SUPPORTO INTERMEDIO	NORYL GFN2	INTERMEDIATE SUPPORT	NORYL GFN2
13	ANELLO GUARNIZIONE MANDATA	NORYL GFN2	RING GASKET VALVE	NORYL GFN2
14	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
15	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
16 *	MANDATA	GHISA	DELIVERY BOWL	CAST IRON
17	GRANO PER GIUNTO	ACCIAIO INOX AISI 304	SCREW	AISI 304
18	GIUNTO DI TRAINO	ACCIAIO INOX AISI 304	JOINT	AISI 304
19	DISTANZIATORE PRIMA GIRANTE	POLICARBONATO	SPACER FIRST IMPELLER	POLYCARBONATE
20	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
21	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
22	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW M4X8 SUCTION STRAINER	AISI 304
23	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
24	ETICHETTA ADESIVA	POLIESTERE	ADHESIVE LABEL	POLYESTER
25	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
26	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
27	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
28	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
29	N.2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N .2 SCREW M4X10 FOR UPPER FLANGE	AISI 304

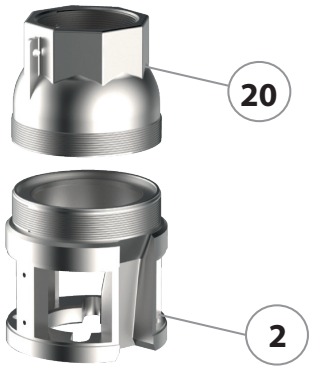
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2 *	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	BEARING BUSH POUR CAGE D’ASPIRATION	CAOUTCHOUC NBR	COJINETE CUERPO DE ASPIRACION	GOMA NBR
4	SEEGER BEARING BUSH	ACIER INOXYDABLE AISI 304	SEEGER POR COJINETE	ACERO INOXIDABLE AISI 304
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	ROUE	NORYL GFN2	IMPULSOR	NORYL GFN2
7	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
9	DIFFUSEUR	NORYL GFN2	DIFUSOR	NORYL GFN2
10	COUSSINET BEARING BUSH	CAOUTCHOUC NBR	COJINETE SOPORTE INTERMEDIO	GOMA NBR
11	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
12	SUPPORT INTERMEDIARE	NORYL GFN2	SOPORTE INTERMEDIO	NORYL GFN2
13	ANNEAU VALVE GASKET	NORYL GFN2	JUNTA PARA VALVULA	NORYL GFN2
14	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
15	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
16 *	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
17	VIS	ACIER INOXYDABLE AISI 304	TORNILLO POR ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
18	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
19	ENTRETOISE PREMIERE ROUE	TECHNOPOLYMER	DISTANCIADOR PRIMER IMPULSOR	TECHNOPOLYMERO
20	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
21	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
22	N.2 VIS M4X8 POUR CREPINE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
23	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
24	ADHESIVE ÉTIQUETTE	PLASTIQUE	ETIQUETA	PLASTICO
25	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
26	N. 2 VIS M4X10 POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
27	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
28	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
29	N. 2 VIS M4X10 POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304

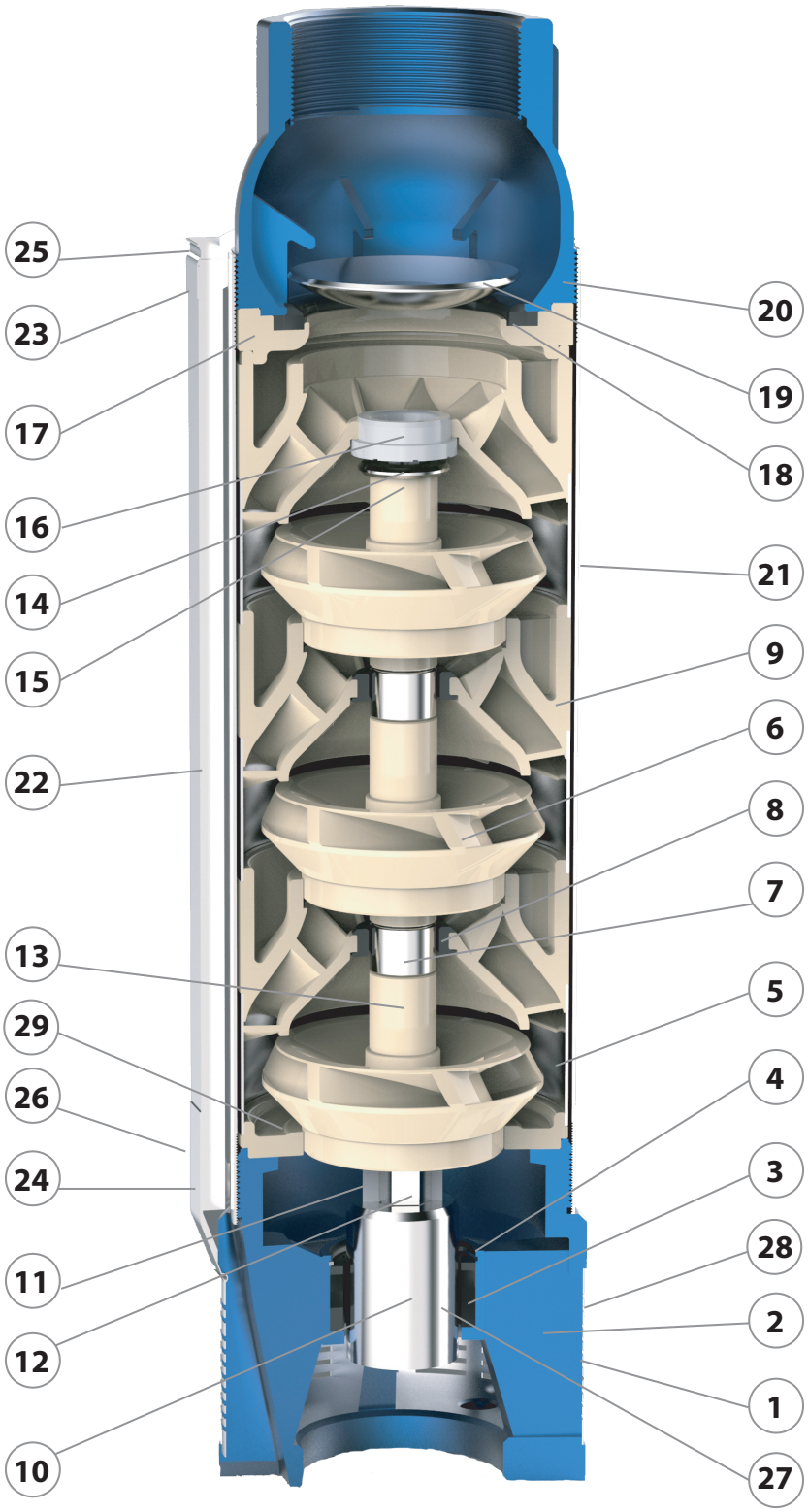
6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller

6” MSX

AISI 304





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6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller

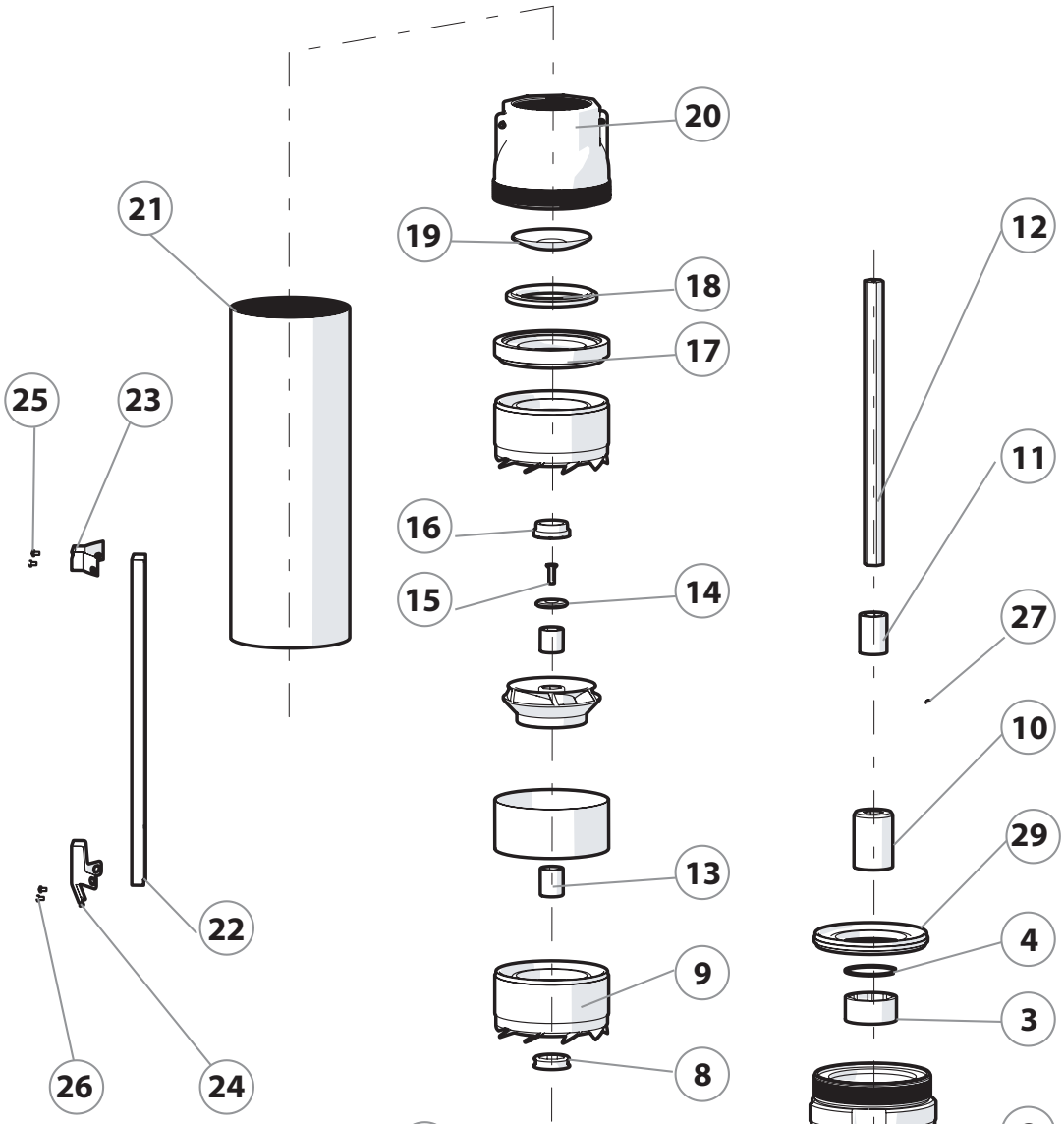
6” MS ***6” MSX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2*	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	BRONZINA PER GABBIA	GOMMA NBR	BEARING BUSH FOR SUCTION CAGE	RUBBER NBR
4	SEEGER BRONZINA	ACCIAIO INOX AISI 304	SEEGER BEARING BUSH	AISI 304
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	GIRANTE	NORYL GFN2	IMPELLER	NORYL GFN2
7	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
8	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
9	DIFFUSORE	NORYL GFN2 + ACCIAIO INOX AISI 304	DIFFUSER	NORYL GFN2 +RING AISI 304
10	GIUNTO DI TRAINO	ACCIAIO INOX AISI 304	JOINT	AISI 304
11	DISTANZIATORE PRIMA GIRANTE	NORYL GFN2	SPACER FIRST IMPELLER	NORYL GFN2
12	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
13	DISTANZIATORE	NORYL GFN2	SPACER	NORYL GFN2
14	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
15	VITE	ACCIAIO INOX AISI 304	SCREW	AISI 304
16	CONTROSOSPENSIONE	PTFE+25%CARBONE	COUNTERTHRUST	PTFE+25%CARBON
17	ANELLO GUARNIZIONE MANDATA	NORYL GFN2	RING GASKET VALVE	NORYL GFN2
18	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
19	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
20*	MANDATA	GHISA	DELIVERY BOWL	CAST IRON
21	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
22	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
23	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	N. 2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR UPPER FLANGE	AISI 304
26	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
27	GRANO PER GIUNTO	ACCIAIO INOX AISI 304	SCREW	AISI 304
28	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW M4X8 SUCTION STRAINER	AISI 304
29	ANELLO RACCORDO GABBIA	NORYL GFN2 + ACCIAIO INOX AISI 304	RING FOR SUCTION CAGE	NORYL GFN2 + RING AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2*	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	BEARING BUSH POUR CAGE D’ASPIRATION	CAOUTCHOUC NBR	COJINETE CUERPO DE ASPIRACION	GOMA NBR
4	SEEGER BEARING BUSH	ACIER INOXYDABLE AISI 304	SEEGER POR COJINETE	ACERO INOXIDABLE AISI 304
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	ROUE	NORYL GFN2	IMPULSOR	NORYL GFN2
7	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
9	DIFFUSEUR	NORYL GFN2 + ACIER INOX. AISI 304	DIFUSOR	NORYL GFN2 +ACERO INOX. AISI 304
10	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
11	ENTRETOISE PREMIERE ROUE	NORYL GFN2	DISTANCIADOR PRIMER IMPULSOR	NORYL GFN2
12	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
13	ENTRETOISE	NORYL GFN2	DISTANCIADOR	NORYL GFN2
14	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
15	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
16	CONTRESUSPENSION	PTFE+ 25% GRAPHITE	CONTRA-SUSPENCION	PTFE+25%CARBON
17	ANNEAU VALVE GASKET	NORYL GFN2	JUNTA PARA VALVULA	NORYL GFN2
18	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
19	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
20*	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
21	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
22	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
23	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	N.2 VIS M4X10 POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	N.2 VIS M4X10 POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
27	VIS	ACIER INOXYDABLE AISI 304	TORNILLO POR ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
28	N.2 VIS M4X8 POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
29	ANNEAU FOR CAGE D’ASPIRATION	NORYL GFN2 + ACIER INOX. AISI 304	ANILLO CUERPO DE ASPIRACION	NORYL GFN2 + ACERO INOX. AISI 304

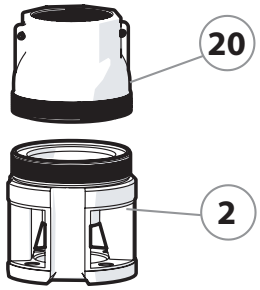
6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller



6” MSX

AISI 304



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6” MS/MSX

Pompa sommersa elevata portata girante semiassiale
High flow capacity submersible pump semiaxial impeller

6” MS ***6” MSX** ACCIAIO INOX AISI 304 - AISI 304 - ACIER INOXIDABLE AISI 304 - ACERO INOXYDABLE AISI 304

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2*	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	BRONZINA PER GABBIA	GOMMA NBR	BEARING BUSH FOR SUCTION CAGE	RUBBER NBR
4	SEEGER BRONZINA	ACCIAIO INOX AISI 304	SEEGER BEARING BUSH	AISI 304
5	ELEMENTO INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE CASING	AISI 304
6	GIRANTE	NORYL GFN2	IMPELLER	NORYL GFN2
7	DISTANZIATORE INTERMEDIO	ACCIAIO INOX AISI 304	INTERMEDIATE SPACER	AISI 304
8	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
9	DIFFUSORE	NORYL GFN2 + ACCIAIO INOX AISI 304	DIFFUSER	NORYL GFN2 +RING AISI 304
10	GIUNTO DI TRAINO	ACCIAIO INOX AISI 304	JOINT	AISI 304
11	DISTANZIATORE PRIMA GIRANTE	NORYL GFN2	SPACER FIRST IMPELLER	NORYL GFN2
12	ALBERO POMPA	ACCIAIO INOX AISI 420	PUMP SHAFT	AISI 420
13	DISTANZIATORE	NORYL GFN2	SPACER	NORYL GFN2
14	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
15	VITE	ACCIAIO INOX AISI 304	SCREW	AISI 304
16	CONTROSOSPENSIONE	PTFE+25%CARBONE	COUNTERTHRUST	PTFE+25%CARBON
17	ANELLO GUARNIZIONE MANDATA	NORYL GFN2	RING GASKET VALVE	NORYL GFN2
18	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
19	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
20*	MANDATA	GHISA	DELIVERY BOWL	CAST IRON
21	CAMICIA	ACCIAIO INOX AISI 304	SLEEVE	AISI 304
22	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304
23	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	N. 2 VITI M4 X 10 PER STAFFETTA SUP.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR UPPER FLANGE	AISI 304
26	N. 2 VITI M4 X 10 PER STAFFETTA INF.	ACCIAIO INOX AISI 304	N. 2 SCREW M4X10 FOR LOWER FLANGE	AISI 304
27	GRANO PER GIUNTO	ACCIAIO INOX AISI 304	SCREW	AISI 304
28	N. 2 VITI M4 X 8 PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREW M4X8 SUCTION STRAINER	AISI 304
29	ANELLO RACCORDO GABBIA	NORYL GFN2 + ACCIAIO INOX AISI 304	RING FOR SUCTION CAGE	NORYL GFN2 + RING AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2*	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	BEARING BUSH POUR CAGE D’ASPIRATION	CAOUTCHOUC NBR	COJINETE CUERPO DE ASPIRACION	GOMA NBR
4	SEEGER BEARING BUSH	ACIER INOXYDABLE AISI 304	SEEGER POR COJINETE	ACERO INOXIDABLE AISI 304
5	ELEMENT INTERMEDIARE	ACIER INOXYDABLE AISI 304	ELEMENTO INTERMEDIO	ACERO INOXIDABLE AISI 304
6	ROUE	NORYL GFN2	IMPULSOR	NORYL GFN2
7	ENTRETOISE INTERMEDIARE	ACIER INOXYDABLE AISI 304	DISTANCIADOR INTERMEDIO	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
9	DIFFUSEUR	NORYL GFN2 + ACIER INOX. AISI 304	DIFUSOR	NORYL GFN2 +ACERO INOX. AISI 304
10	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
11	ENTRETOISE PREMIERE ROUE	NORYL GFN2	DISTANCIADOR PRIMER IMPULSOR	NORYL GFN2
12	ARBRE POMPE	ACIER INOXYDABLE AISI 420	EJE DE BOMBA	ACERO INOXIDABLE AISI 420
13	ENTRETOISE	NORYL GFN2	DISTANCIADOR	NORYL GFN2
14	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
15	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
16	CONTRESUSPENSION	PTFE+ 25% GRAPHITE	CONTRA-SUSPENCION	PTFE+25%CARBON
17	ANNEAU VALVE GASKET	NORYL GFN2	JUNTA PARA VALVULA	NORYL GFN2
18	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
19	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
20*	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
21	CHEMISE	ACIER INOXYDABLE AISI 304	CAMISA	ACERO INOXIDABLE AISI 304
22	PROTECTION CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304
23	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	N.2 VIS M4X10 POUR BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	N.2 VIS M4X10 POUR BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
27	VIS	ACIER INOXYDABLE AISI 304	TORNILLO POR ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
28	N.2 VIS M4X8 POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
29	ANNEAU FOR CAGE D’ASPIRATION	NORYL GFN2 + ACIER INOX. AISI 304	ANILLO CUERPO DE ASPIRACION	NORYL GFN2 + ACERO INOX. AISI 304

NOTES

6”

MRS

50Hz

Clean

Civil

Industry

Fire

Agriculture

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia

Risparmio energetico
Energy savings
Économies d’énergie
Ahorro de energía

Tecnopolimero
Technopolymer
Technopolymère
Tecnopolímero



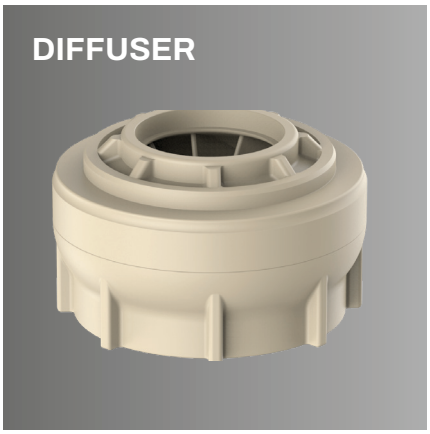
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6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia

Diffusore
Sistema di palettatura prolungata fino all’uscita della girante, permette all’acqua di eseguire una traiettoria obbligata con conseguente aumento delle prestazioni e del rendimento idraulico.
Elevata portata: 42m³/ora – 700 l/min
Massimo contenuto di sabbia: 50 g/m³

Diffuser
Blading system extended up to the impeller outlet, allows the water to follow a mandatory trajectory with a consequent increase in performance and hydraulic efficiency.
High capacity: 42 m³/h – 700 l/min
Maximum sand content: 50 g/m

Diffuseur
Le système de pales étendu jusqu’à la sortie de la turbine permet à l’eau de suivre une trajectoire fixe avec une augmentation conséquente des performances et de l’efficacité hydraulique.
Débit très élevé: 42 m³/h – 700 l/min
Tolérance de sable maximum: 50 g/m³

Difusor
El sistema de palas extendido hasta la salida del impulsor permite que el agua siga una trayectoria fija con el consiguiente aumento del rendimiento y la eficiencia hidráulica.
Caudal elevado: 42 m³/h – 700 l/min
Máxima cantidad de arena: 50 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
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Bomba sumergible radial de alta eficiencia

L’irrigazione a goccia nasce negli anni ‘60 in Israele dove fu brevettato il primo dispositivo per irrigazione a goccia di superficie.
L’efficienza del sistema ha poi determinato la sua diffusione a livello mondiale.
I principali componenti degli impianti d’irrigazione a goccia sono: una pompa che permette di pressurizzare il sistema, un sistema di filtrazione principale per proteggere l’impianto dai solidi sospesi, una condotta di adduzione che porta l’acqua dalla fonte al campo che deve essere irrigato, una rete di distribuzione e la parte disperdente costituita da ali gocciolanti integrali o da tubi con gocciolatori inseriti esternamente.
L’irrigazione a goccia aiuta ad ottenere un ottimo risparmio dell’acqua riducendo l’evapotraspirazione ed il drenaggio in profondità, rispetto quanto accade nei sistemi di irrigazione a pioggia o a scorrimento.

Drip irrigation originated in the 1960s in Israel, where the first surface drip irrigation device was patented.
The efficiency of the system then led to its worldwide diffusion.
The main components of drip irrigation systems are: a pump to pressurise the system, a main filtration system to protect the system from suspended solids, an adduction line to bring the water from the source to the field to be irrigated, a distribution network and the distribution part consisting of integral drip wings or pipes with external drippers.
Drip irrigation helps to achieve excellent water savings by reducing evaporation and deep drainage compared to sprinkler or drip irrigation systems.

L’irrigation goutte à goutte est née dans les années 1960 en Israël où le premier dispositif d’irrigation goutte à goutte de surface a été breveté.
L’efficacité du système a ensuite déterminé sa diffusion dans le monde entier.
Les principaux composants des systèmes d’irrigation goutte à goutte sont : une pompe qui permet de mettre le système sous pression, un système de filtration principal pour protéger le système des matières en suspension, un tuyau d’adduction qui amène l’eau de la source au champ à irriguer, un réseau de distribution et la partie de dispersion composée de lignes goutte à goutte intégrées ou de tuyaux avec goutteurs insérés à l’extérieur.
L’irrigation goutte à goutte permet de réaliser d’excellentes économies d’eau en réduisant l’évapotranspiration et le drainage profond, par rapport à ce qui se produit dans les systèmes d’irrigation par pluie ou par flux.

El riego por goteo nació en los años 60 en Israel donde se patentó el primer dispositivo de riego por goteo superficial.
La eficacia del sistema determinó entonces su difusión en todo el mundo.
Los principales componentes de los sistemas de riego por goteo son: una bomba que permite presurizar el sistema, un sistema de filtración principal para proteger el sistema de sólidos en suspensión, una tubería de aducción que lleva el agua desde la fuente hasta el campo a regar, una red de distribución y la parte de dispersión conformada por líneas o tuberías de goteo integrales con goteros insertados externamente.
El riego por goteo ayuda a conseguir un excelente ahorro de agua al reducir la evapotranspiración y el drenaje profundo, en comparación con lo que ocurre en los sistemas de riego por lluvia o por flujo.

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia



ELETTROPOMPE SOMMERSE 6’’- SERIE 6” MRS - ALTO RENDIMENTO
La nuova idraulica 6’’ intubata denominata 6” MRS è stata progettata per offrire la miglior efficienza idraulica e contenere i consumi elettrici specifici. L’idraulica 6” MRS coniuga le migliori caratteristiche di una pompa radiale e di una pompa semi assiale.

VANTAGGI
Il diffusore, grazie al sistema di palettatura prolungata fino all’uscita della girante, permette all’acqua di seguire una traiettoria obbligata con conseguente aumento delle prestazioni e del rendimento idraulico.

MATERIALI
Lo stadio è composto da: girante, diffusore, bronzina, distanziatore in acciaio ed è guidato da un albero pompa esagonale.

CAMPI DI PRESTAZIONE IDRAULICHE
Le portate disponibili sono: 15 m³/h, 18 m³/h , 24 m³/h , 30 m³/h.
Efficienza idraulica ai vertici per quanto riguarda le idrauliche 6’’ intubate, con valori fino al 75%.

- Portate fino a 42 m³/h
- Prevalenze fino a 370 m
- Potenze fino a 37 kw.
- Tolleranza alla sabbia: 50 g/m³

SUBMERSIBLE PUMPS 6” - SERIES 6” MRS - HIGH EFFICIENCY
The new 6” intubated hydraulic pump is called 6” MRS and it has been designed to offer the best hydraulic efficiency and to limit specific electrical consumption. The 6’’ MRS hydraulic pump combines the best features of a radial pump and those of a semi-axial pump.

ADVANTAGES
The diffuser, thanks to the blading system extended up to the impeller outlet, allows the water to follow a mandatory trajectory with a consequent increase in performance and hydraulic efficiency.

MATERIALS
The stage consists of: impeller, diffuser, bearing bush and steel spacer and it is driven by an hexagonal pump shaft.

HYDRAULIC PERFORMANCES
The available flow rates are: 15 m³/ h, 18 m³/h, 24 m³/h, 30 m³/h.
6” intubated hydraulic pumps have top hydraulic efficiency, with values up to 75%.

- Flow rates up to 42 m³/h
- Heads up to 370 m
- Electric power up to 37 kw.
- Sand tolerance: 50 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia



POMPES IMMERGÈES 6” - SERIE 6” MRS - HAUTE PERFORMANCE
La nouvelle hydraulique intubée 6’’ appelée 6” MRS a été conçue pour offrir le meilleur rendement hydraulique et limiter la consommation d’électricité.
L’hydraulique 6’’ MRS combine les meilleures caractéristiques d’une pompe radiale et d’une pompe semiaxiale.

ADVANTAGES
Le diffuseur, grâce au système de palettisation prolongée jusqu’à la sortie de la roue, permet à l’eau de suivre une trajectoire obligatoire avec une augmentation conséquente des performances et des rendement hydraulique.

MATERIAUX
L’étage se compose de roue, diffuseur, bronze, espaceur en acier et il est entraîné par un arbre hexagonal.

PERFORMANCES HYDRAULIQUES
Les débits disponibles sont : 15 m³/h, 18 m³/h, 24 m³/h, 30 m³/h.
Rendement hydraulique au sommet en ce qui concerne l’hydraulique intubée de 6 pouces, avec des valeurs allant jusqu’à 75%.

- Débits jusqu’à 42 m³/h
- Hauteurs jusqu’à 370 m
- Puissance électrique jusqu’à 37 kw.
- Tolérance au sable: 50 g/m³

BOMBAS SUMERSA 6” - SERIE 6” MRS - ALTO RENDIMIENTO
El nuevo sistema hidráulico entubado de 6’’ llamado 6” MRS ha sido diseñado para ofrecer la mejor eficiencia hidráulica y contener un consumo eléctrico específico.
El hidráulico 6’’ MRS combina las mejores características de una bomba radial y una bomba semiaxial.

VENTAJAS
El difusor, gracias al sistema de alave prolongado hasta la salida del impulsor, permite que el agua siga una trayectoria obligatoria con el consiguiente aumento de las prestaciones y del rendimiento hidráulico.

MATERIALES
La etapa consta de: impulsor, difusor, buje, espaciador de acero y es accionada por un eje de bomba hexagonal.

PRESTACIONES HIDRAULICAS
Los caudales disponibles son: 15 m³/h, 18 m³/h, 24 m³/h, 30 m³/h.
Eficiencia hidráulica superior con respecto a la hidráulica entubada de 6”, con valores de hasta 75%.

- Caudales hasta 42 m³/h
- Alturas de hasta 370 m
- Potencia eléctrica hasta 37 kw.
- Tolerancia a la arena: 50 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS 15

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

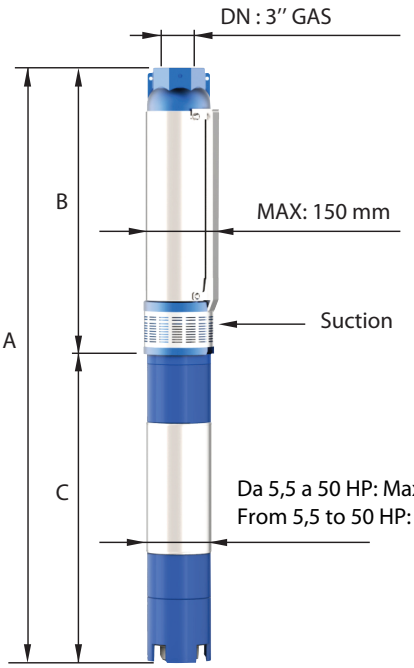
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	100	150	200	250	300	350	400
				l/sec	0	1,67	2,50	3,33	4,17	5	5,83	6,67
				m³/h	0	6	9	12	15	18	21	24
6” MRS 15/07	4	5,5	H(m)		84	79	76	72	65	58	48	39
6” MRS 15/09	5,5	7,5			108	102	98	92	84	74	62	50
6” MRS 15/13	7,5	10			156	147	142	133	121	107	90	72
6” MRS 15/16	9,2	12,5			192	181	174	164	149	132	110	89
6” MRS 15/19	11	15			228	215	207	194	177	156	131	106
6” MRS 15/22	13	17,5			264	249	240	225	205	181	152	122
6” MRS 15/26	15	20			312	295	283	266	243	214	179	144

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRS 15/07	1398	752	646	40	17
6” MRS 15/09	1553	882	671	45	19
6” MRS 15/13	1843	1142	701	55	23
6” MRS 15/16	2088	1337	751	60	26
6” MRS 15/19	2343	1532	811	65	29
6” MRS 15/22	2568	1727	841	70	32
6” MRS 15/26	2918	1987	931	75	36



Disponibile solo versione con motore 6”
Available only in 6” engine version
Seule version avec moteur 6” disponible
Sólo disponible versión con motor de 6”

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 70 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

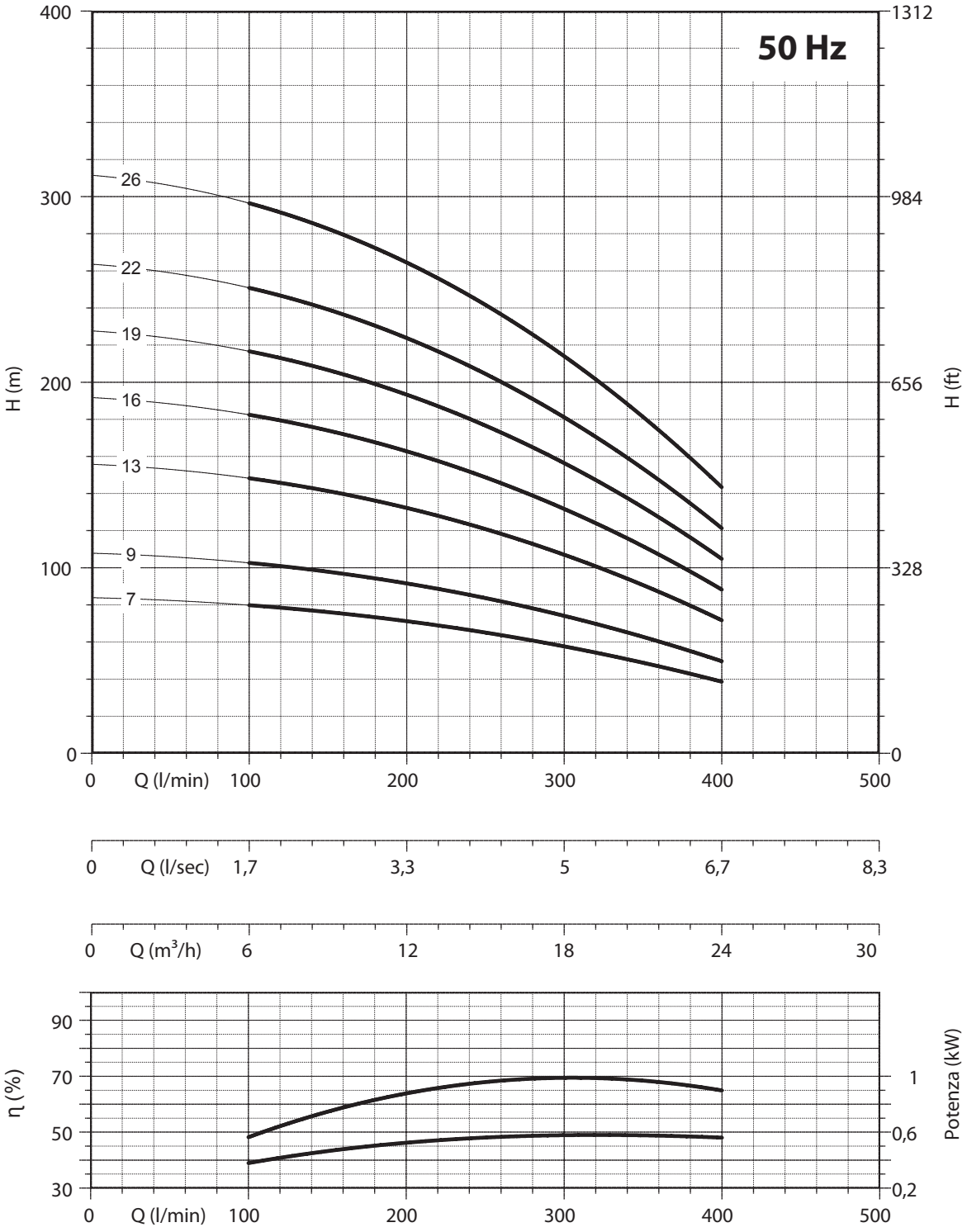
Max 0,58

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRS 15

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRS 15	2	2	3	4

6” MRS 18

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

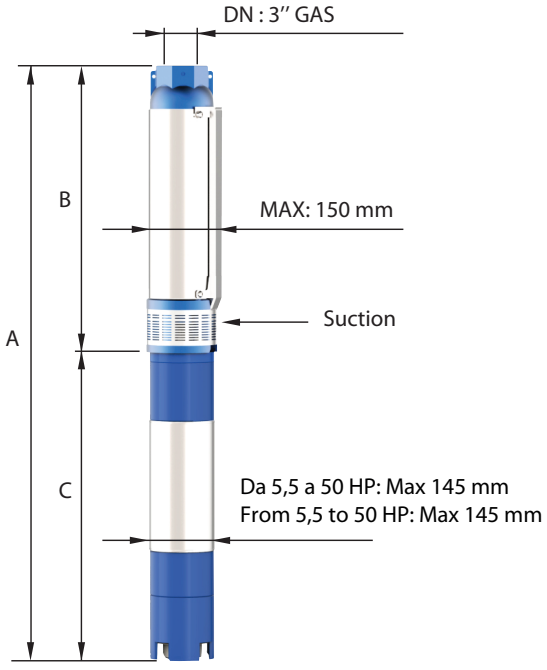
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	150	200	250	300	350	400	450	500
			l/sec	0	2,50	3,33	4,17	5	5,83	6,67	7,50	8,33
	kW	HP	m³/h	0	9	12	15	18	21	24	27	30
6” MRS 18/05	4	5,5	H(m)	61	58	56	54	51	47	42	36	29
6” MRS 18/07	5,5	7,5		86	81	79	75	71	65	58	51	41
6” MRS 18/10	7,5	10		122	116	112	108	101	93	83	72	59
6” MRS 18/12	9,2	12,5		147	139	135	129	121	112	100	87	71
6” MRS 18/14	11	15		171	162	157	151	142	131	117	101	82
6” MRS 18/17	13	17,5		208	196	191	183	172	159	142	123	100
6” MRS 18/20	15	20		244	231	224	216	202	187	167	144	118
6” MRS 18/24	18,5	25		293	277	269	259	243	224	200	173	141
6” MRS 18/29	22	30		354	335	325	313	293	271	242	209	171

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRS 18/05	1268	622	646	40	15
6” MRS 18/07	1423	752	671	45	17
6” MRS 18/10	1648	947	701	55	20
6” MRS 18/12	1828	1077	751	60	22
6” MRS 18/14	2018	1207	811	65	24
6” MRS 18/17	2243	1402	841	70	27
6” MRS 18/20	2528	1597	931	75	30
6” MRS 18/24	2848	1857	991	83	34
6” MRS 18/29	3253	2182	1071	92	39



Disponibile solo versione con motore 6”
Available only in 6” engine version
Seule version avec moteur 6” disponible
Sólo disponible versión con motor de 6”

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 72,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,75

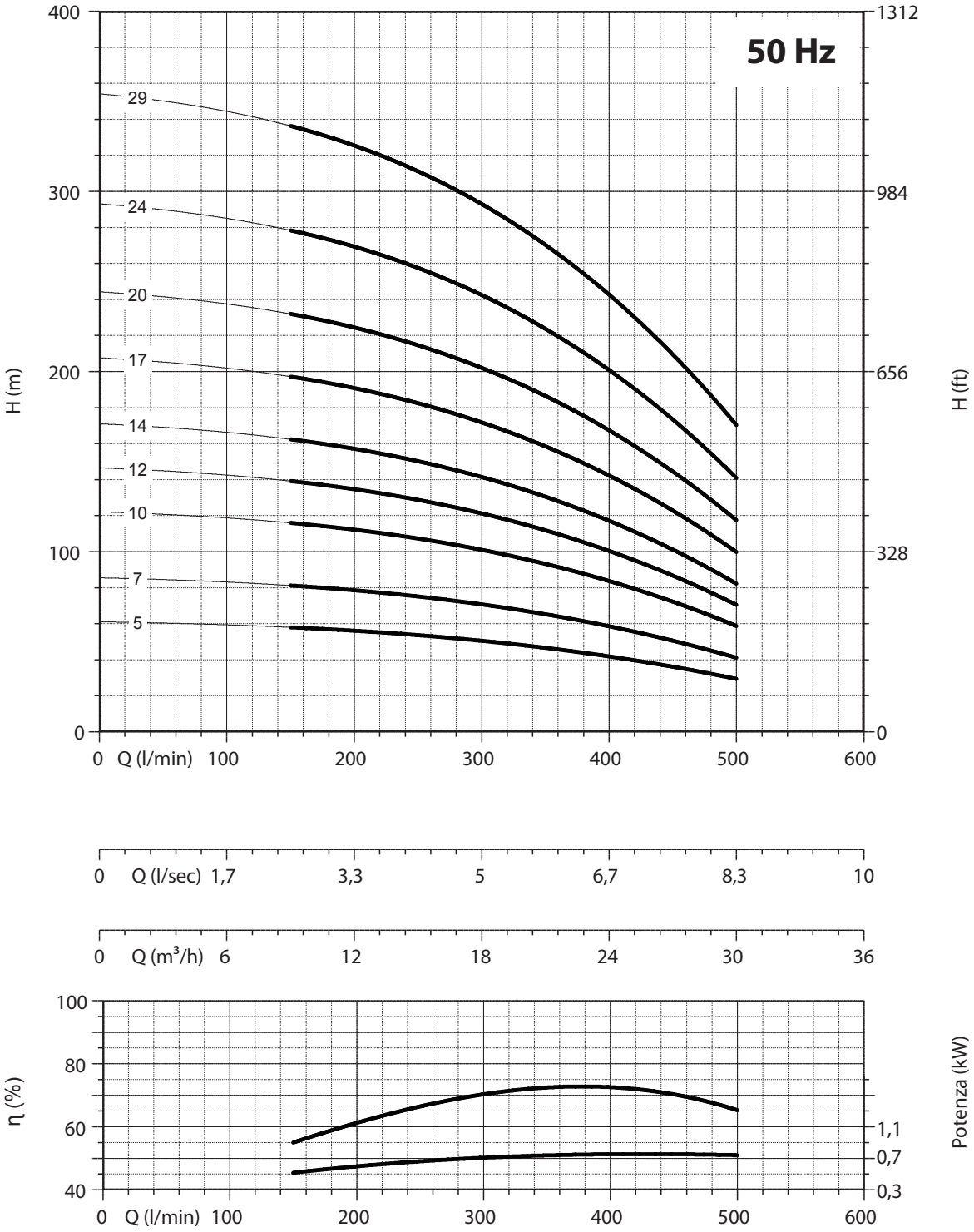
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS 18

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRS 18	2	2	3	4

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS 24

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

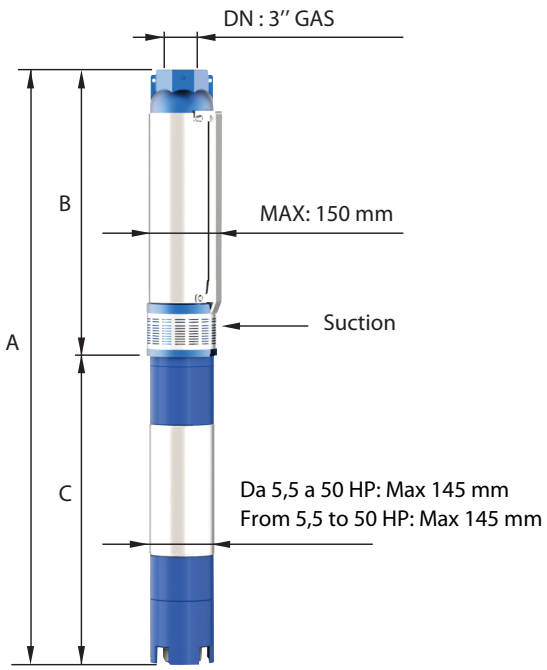
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	200	250	300	350	400	450	500	550	600
			l/sec	0	3,33	4,17	5	5,83	6,67	7,50	8,33	9,17	10
	kW	HP	m³/h	0	12	15	18	21	24	27	30	33	36
6” MRS 24/04	4	5,5	H(m)	50	48	48	46	43	40	37	32	28	23
6” MRS 24/06	5,5	7,5		75	73	71	69	65	61	55	49	41	34
6” MRS 24/08	7,5	10		100	97	95	92	86	81	74	65	55	45
6” MRS 24/10	9,2	12,5		124	121	119	114	108	101	92	81	69	57
6” MRS 24/12	11	15		149	145	143	137	129	121	111	97	83	68
6” MRS 24/14	13	17,5		174	170	166	160	151	142	129	114	96	79
6” MRS 24/16	15	20		199	194	190	183	172	162	148	130	110	91
6” MRS 24/20	18,5	25		249	242	238	229	216	202	184	162	138	113
6” MRS 24/23	22	30		286	279	273	263	248	233	212	187	158	130
6” MRS 24/28	26	35		348	339	333	320	302	283	258	227	193	159

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRS 24/04	1203	557	646	40	14
6” MRS 24/07	1358	687	671	45	16
6” MRS 24/08	1518	817	701	55	18
6” MRS 24/10	1698	947	751	60	20
6” MRS 24/12	1888	1077	811	65	22
6” MRS 24/14	2048	1207	841	70	24
6” MRS 24/16	2268	1337	931	75	26
6” MRS 24/20	2588	1597	991	83	30
6” MRS 24/23	2863	1792	1071	92	33
6” MRS 24/28	3298	2117	1181	100	38



Disponibile solo versione con motore 6”
Available only in 6” engine version
Seule version avec moteur 6” disponible
Sólo disponible versión con motor de 6”

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 0,93

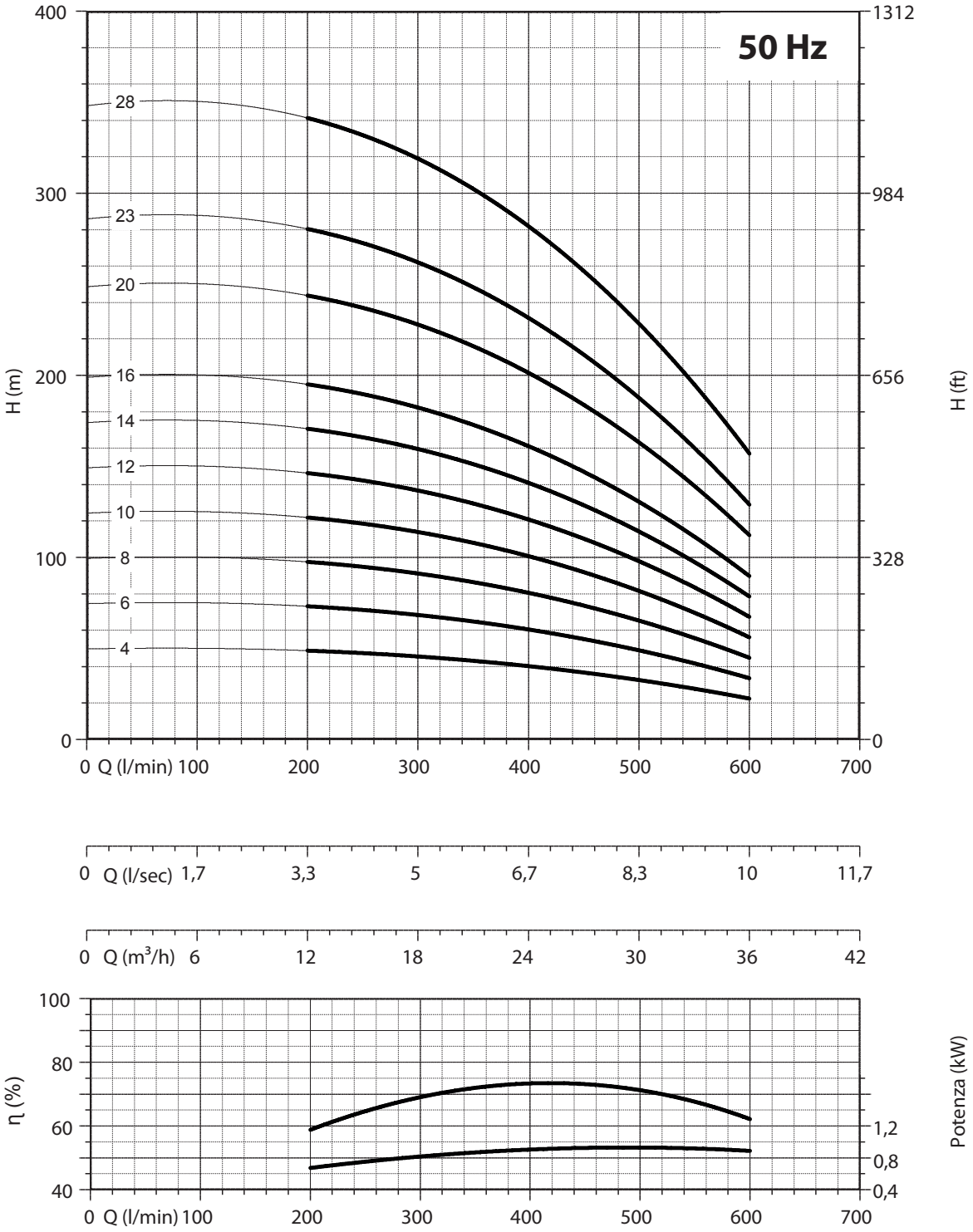
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS 24

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRS 24	3	3	3,5	5

6” MRS 30

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

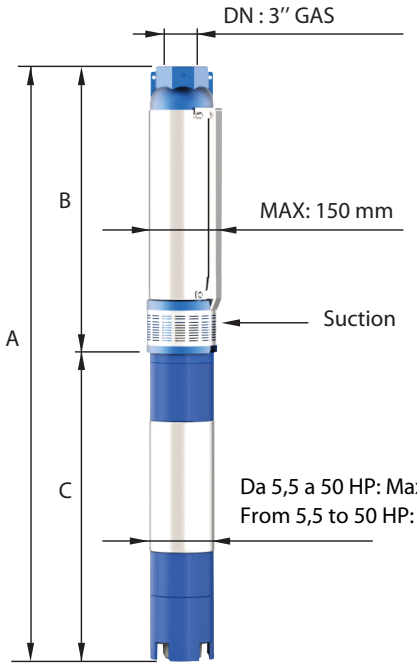
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power									
			l/min	0	200	300	400	500	600	700
			l/sec	0	3,33	5	6,67	8,33	10	11,67
	kW	HP	m³/h	0	12	18	24	30	36	42
6” MRS 30/03	4	5,5	H(m)	39	38	37	34	30	24	17
6” MRS 30/05	5,5	7,5		64	63	61	57	49	40	28
6” MRS 30/06	7,5	10		77	76	73	69	59	48	34
6” MRS 30/08	9,2	12,5		103	101	98	92	79	64	45
6” MRS 30/10	11	15		129	127	122	114	99	80	57
6” MRS 30/11	13	17,5		142	139	134	126	109	88	62
6” MRS 30/13	15	20		168	165	159	149	129	104	74
6” MRS 30/16	18,5	25		206	203	196	183	158	128	91
6” MRS 30/19	22	30		245	241	232	217	188	152	108
6” MRS 30/23	26	35		296	291	281	263	227	184	130
6” MRS 30/26	30	40		335	329	318	298	257	208	147
6” MRS 30/29	37	50		374	367	354	332	287	232	164

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRS 30/03	1138	492	646	40	13
6” MRS 30/05	1293	622	671	45	15
6” MRS 30/06	1388	687	701	55	16
6” MRS 30/08	1568	817	751	60	18
6” MRS 30/10	1758	947	811	65	20
6” MRS 30/11	1853	1012	841	70	21
6” MRS 30/13	2073	1142	931	75	23
6” MRS 30/16	2328	1337	991	83	26
6” MRS 30/19	2603	1532	1071	92	29
6” MRS 30/23	2973	1792	1181	100	33
6” MRS 30/26	3238	1987	1251	108	36
6” MRS 30/29	3523	2182	1341	118	39



Disponibile solo versione con motore 6”
Available only in 6” engine version
Seule version avec moteur 6” disponible
Sólo disponible versión con motor de 6”

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,13

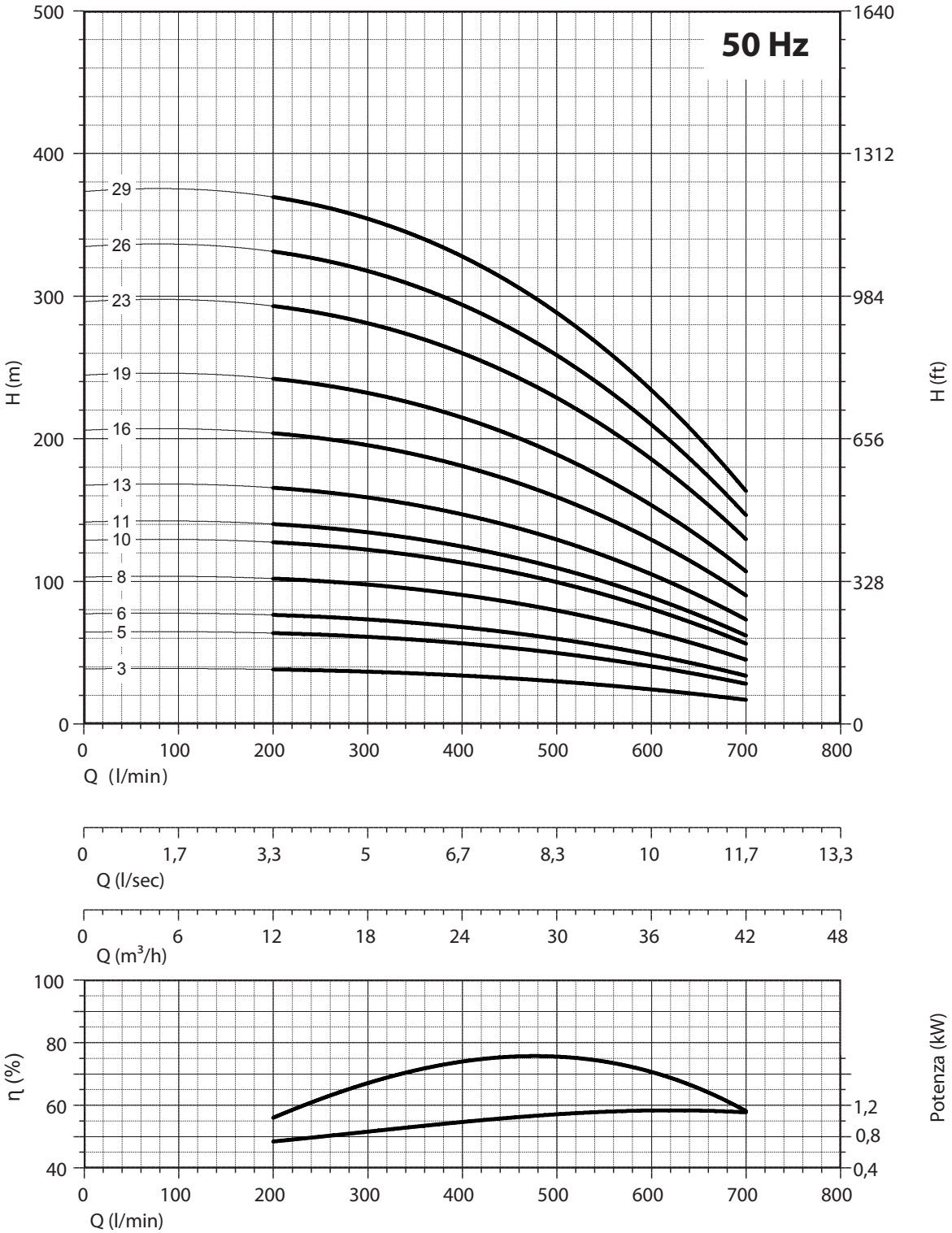
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS 30

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



NPSH (m)	25 %	50 %	75 %	100 %
6” MRS 30	3	3	3,5	5,5

NOTES

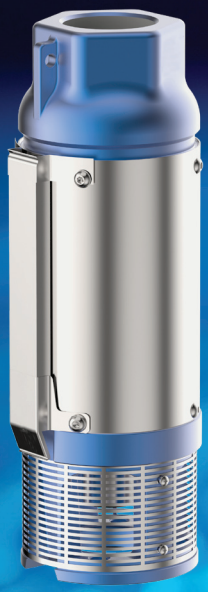
6”
MRS

50Hz

Clean
Civil
Industry
Fire
Agriculture

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump
Pompe submersible radiale à haut rendement
Bomba sumergible radial de alta eficiencia

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³



Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia

Risparmio energetico
Energy savings
Économies d’énergie
Ahorro de energía

Tecnopolimero
Technopolymer
Technopolymère
Tecnopolímero

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

MADE IN ITALY

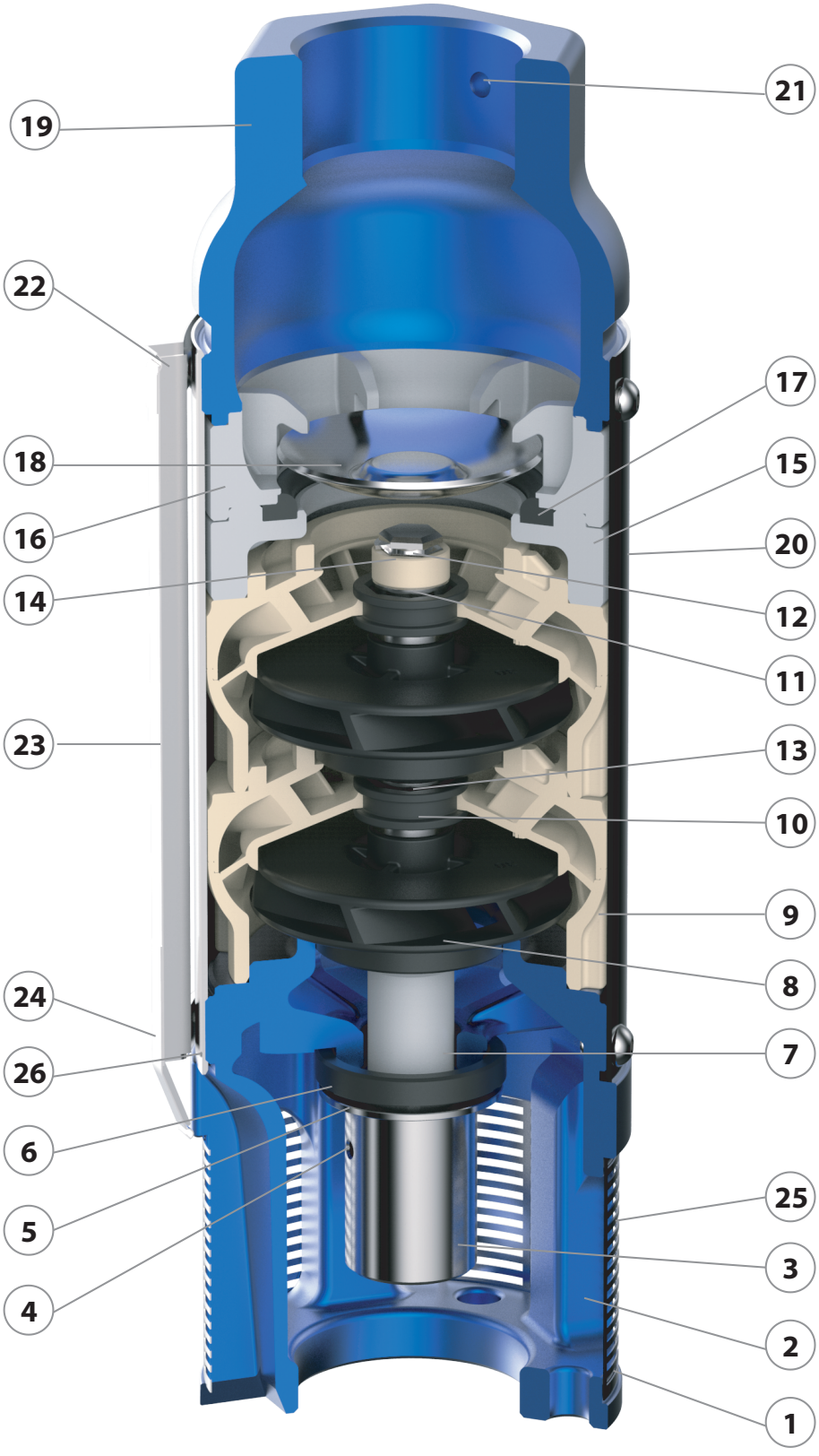
www.metropumps-italy.com

metro MADE IN ITALY

www.metropumps-italy.com

6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA MOTORE 6”	GHISA	SUCTION CAGE FOR 6” MOTOR	CAST IRON
3	GIUNTO MOTORE 6”	AISI 304	JOINT FOR 6” MOTOR	AISI 304
4	GRANO M6X6	AISI 304	SCREW M6X6	AISI 304
5	DISCO CONTROSPENSIONE	AISI 304	COUNTERTHRUST RING	AISI 304
6	CONTROSOSPENSIONE	PTFE+25% CARBONE	COUNTERTHRUST	PTFE+25% CARBON
7	DISTANZIATORE PRIMA GIRANTE	NORYL GFN2	SPACER FIRST IMPELLER	NORYL GFN2
8	GIRANTE 6” MRS	NORYL GFN2	6” MRS IMPELLER	NORYL GFN2
9	DIFFUSORE 6” MRS	NORYL GFN2	6” MRS DIFFUSER	NORYL GFN2
10	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
11	DISTANZIATORE INTERMEDIO	AISI 304	INTERMEDIATE SPACER	AISI 304
12	SEEGER	AISI 304	SEEGER	AISI 304
13	ALBERO POMPA	AISI 420	SHAFT	AISI 420
14	DISTANZIATORE FINALE	NORYL GFN2	FINAL SPACER	NORYL GFN2
15	SUPPORTO GUARNIZIONE FARFALLA	NORYL GFN2	SUPPORT FOR GASKET VALVE	NORYL GFN2
16	ANELLO RACCORDO MANDATA	NORYL GFN2	CONNECTION RING FOR DELIVERY BOWL	NORYL GFN2
17	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
18	FARFALLA	AISI 304	CAP VALVE	AISI 304
19	MANDATA 6” MRS	GHISA	6” MRS DELIVERY BOWL	CAST IRON
20	CAMICIA	AISI 304	SLEEVE	AISI 304
21	GRANO M10X12	AISI 304	SCREW M10X12	AISI 304
22	STAFFETTA SUPERIORE	AISI 304	UPPER FLANGE	AISI 304
23	COPRICAVO	AISI 304	COVER CABLE	AISI 304
24	STAFFETTA INFERIORE	AISI 304	LOWER FLANGE	AISI 304
25	VITI M4X8	AISI 304	SCREW M4X8	AISI 304
26	VITI M8X12 TBEI	AISI 304	SCREW M8X12 TBEI	AISI 304

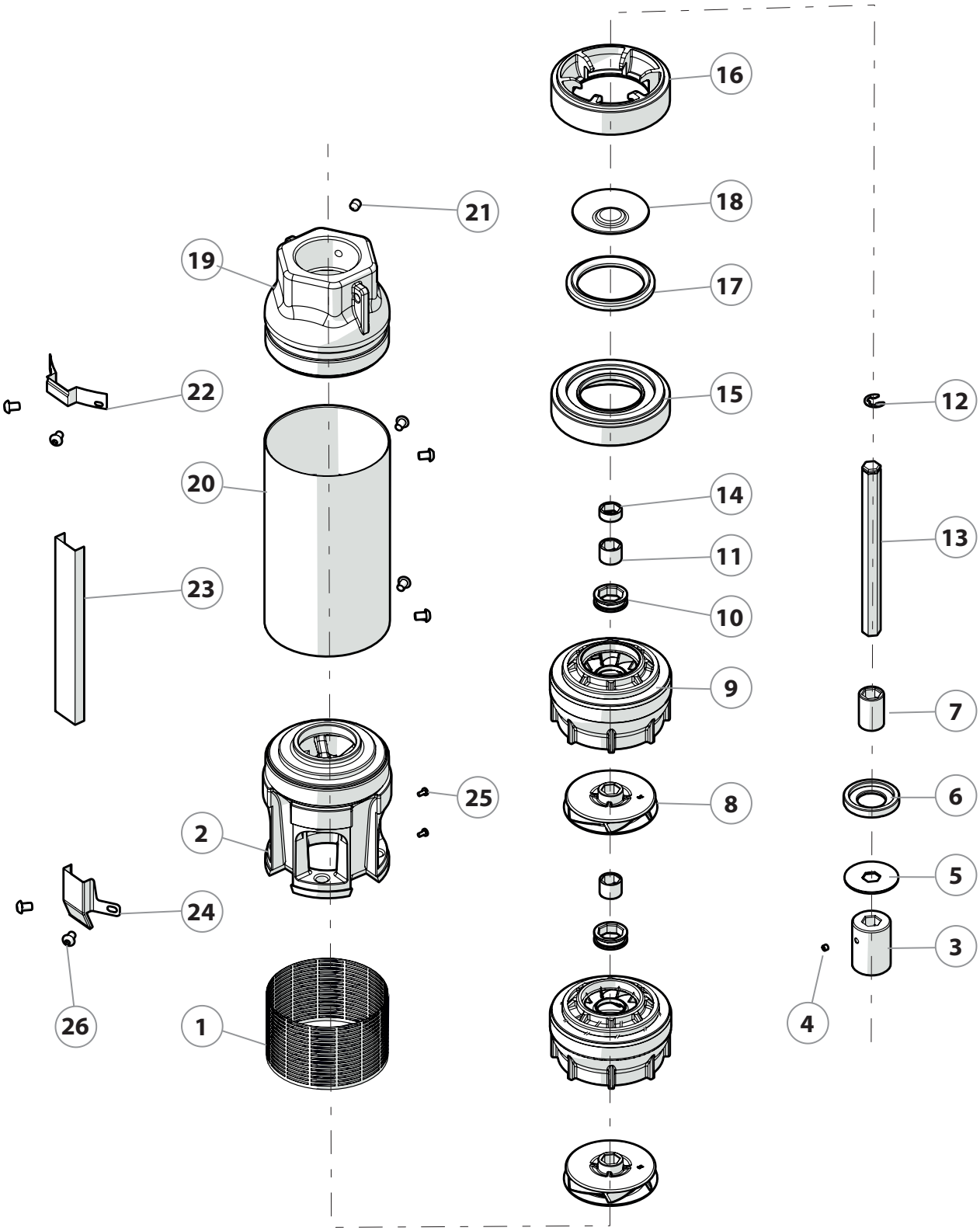
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	AISI 304	REJILLA	AISI 304
2	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDITO
3	JOINT MOTEUR 6”	AISI 304	ACOPLAMIENTO MOTOR 6”	AISI 304
4	VIS M6X6	AISI 304	TORNILLO M6X6	AISI 304
5	RING CONTRESUSPENSION	AISI 304	ANILLO CONTRA-SUSPENCION	AISI 304
6	CONTRESUSPENSION	PTFE+25% GRAPHITE	CONTRA-SUSPENCION	PTFE+25% CARBON
7	ENTRETOISE PREMIERE ROUE	NORYL GFN2	DISTANCIADOR PRIMER IMPULSOR	NORYL GFN2
8	ROUE 6” MRS	NORYL GFN2	IMPULSOR 6” MRS	NORYL GFN2
9	DIFFUSEUR 6” MRS	NORYL GFN2	DIFUSOR 6” MRS	NORYL GFN2
10	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
11	ENTRETOISE INTERMEDIARE	AISI 304	DISTANCIADOR INTERMEDIO	AISI 304
12	SEEGER	AISI 304	SEEGER	AISI 304
13	ARBRE POMPE	AISI 420	EJE DE BOMBA	AISI 420
14	ENTRETOISE FINALE	NORYL GFN2	DISTANCIADOR FINAL	NORYL GFN2
15	SUPPORT DE BAGUE VALVE GASKET	NORYL GFN2	SOPORTE DE JUNTA VALVULA	NORYL GFN2
16	RING RACCORDEMENT DE REFOLEMENT	NORYL GFN2	ANILLO CUERPO DE IMPULSION	NORYL GFN2
17	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
18	PLAT	AISI 304	VALVULA	AISI 304
19	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDITO
20	CHEMISE	AISI 304	CAMISA	AISI 304
21	VIS M10X12	AISI 304	TORNILLO M10X12	AISI 304
22	BRIDE SUPERIEURE	AISI 304	GRAPA SUPERIOR	AISI 304
23	PROTECTION CABLE	AISI 304	PARACABLE	AISI 304
24	BRIDE INFERIEURE	AISI 304	GRAPE INFERIOR	AISI 304
25	VIS M4X8	AISI 304	TORNILLOS M4X8	AISI 304
26	VIS M8X12 TBEI	AISI 304	TORNILLOS M4X8	AISI 304

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6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump



6” MRS

Pompa sommersa radiale alto rendimento
High efficiency radial submersible pump

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	SUCCHERUOLA	AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA MOTORE 6”	GHISA	SUCTION CAGE FOR 6” MOTOR	CAST IRON
3	GIUNTO MOTORE 6”	AISI 304	JOINT FOR 6” MOTOR	AISI 304
4	GRANO M6X6	AISI 304	SCREW M6X6	AISI 304
5	DISCO CONTROSPENSIONE	AISI 304	COUNTERTHRUST RING	AISI 304
6	CONTROSOSPENSIONE	PTFE+25% CARBONE	COUNTERTHRUST	PTFE+25% CARBON
7	DISTANZIATORE PRIMA GIRANTE	NORYL GFN2	SPACER FIRST IMPELLER	NORYL GFN2
8	GIRANTE 6” MRS	NORYL GFN2	6” MRS IMPELLER	NORYL GFN2
9	DIFFUSORE 6” MRS	NORYL GFN2	6” MRS DIFFUSER	NORYL GFN2
10	BRONZINA DIFFUSORE	GOMMA NBR	DIFFUSER BEARING BUSH	RUBBER NBR
11	DISTANZIATORE INTERMEDIO	AISI 304	INTERMEDIATE SPACER	AISI 304
12	SEEGER	AISI 304	SEEGER	AISI 304
13	ALBERO POMPA	AISI 420	SHAFT	AISI 420
14	DISTANZIATORE FINALE	NORYL GFN2	FINAL SPACER	NORYL GFN2
15	SUPPORTO GUARNIZIONE FARFALLA	NORYL GFN2	SUPPORT FOR GASKET VALVE	NORYL GFN2
16	ANELLO RACCORDO MANDATA	NORYL GFN2	CONNECTION RING FOR DELIVERY BOWL	NORYL GFN2
17	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
18	FARFALLA	AISI 304	CAP VALVE	AISI 304
19	MANDATA 6” MRS	GHISA	6” MRS DELIVERY BOWL	CAST IRON
20	CAMICIA	AISI 304	SLEEVE	AISI 304
21	GRANO M10X12	AISI 304	SCREW M10X12	AISI 304
22	STAFFETTA SUPERIORE	AISI 304	UPPER FLANGE	AISI 304
23	COPRICAVO	AISI 304	COVER CABLE	AISI 304
24	STAFFETTA INFERIORE	AISI 304	LOWER FLANGE	AISI 304
25	VITI M4X8	AISI 304	SCREW M4X8	AISI 304
26	VITI M8X12 TBEI	AISI 304	SCREW M8X12 TBEI	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	CREPINE	AISI 304	REJILLA	AISI 304
2	CAGE D’ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDITO
3	JOINT MOTEUR 6”	AISI 304	ACOPLAMIENTO MOTOR 6”	AISI 304
4	VIS M6X6	AISI 304	TORNILLO M6X6	AISI 304
5	RING CONTRESUSPENSION	AISI 304	ANILLO CONTRA-SUSPENCION	AISI 304
6	CONTRESUSPENSION	PTFE+25% GRAPHITE	CONTRA-SUSPENCION	PTFE+25% CARBON
7	ENTRETOISE PREMIERE ROUE	NORYL GFN2	DISTANCIADOR PRIMER IMPULSOR	NORYL GFN2
8	ROUE 6” MRS	NORYL GFN2	IMPULSOR 6” MRS	NORYL GFN2
9	DIFFUSEUR 6” MRS	NORYL GFN2	DIFUSOR 6” MRS	NORYL GFN2
10	DIFFUSEUR BEARING BUSH	CAOUTCHOUC NBR	COJINETE DIFUSOR	GOMA NBR
11	ENTRETOISE INTERMEDIARE	AISI 304	DISTANCIADOR INTERMEDIO	AISI 304
12	SEEGER	AISI 304	SEEGER	AISI 304
13	ARBRE POMPE	AISI 420	EJE DE BOMBA	AISI 420
14	ENTRETOISE FINALE	NORYL GFN2	DISTANCIADOR FINAL	NORYL GFN2
15	SUPPORT DE BAGUE VALVE GASKET	NORYL GFN2	SOPORTE DE JUNTA VALVULA	NORYL GFN2
16	RING RACCORDEMENT DE REFOLEMENT	NORYL GFN2	ANILLO CUERPO DE IMPULSION	NORYL GFN2
17	BAGUE VALVE GASKET	CAOUTCHOUC NBR	JUNTA VALVULA	GOMA NBR
18	PLAT	AISI 304	VALVULA	AISI 304
19	REFOULEMENT	FONTE	CUERPO DE IMPULSION	HIERRO FUNDITO
20	CHEMISE	AISI 304	CAMISA	AISI 304
21	VIS M10X12	AISI 304	TORNILLO M10X12	AISI 304
22	BRIDE SUPERIEURE	AISI 304	GRAPA SUPERIOR	AISI 304
23	PROTECTION CABLE	AISI 304	PARACABLE	AISI 304
24	BRIDE INFERIEURE	AISI 304	GRAPE INFERIOR	AISI 304
25	VIS M4X8	AISI 304	TORNILLOS M4X8	AISI 304
26	VIS M8X12 TBEI	AISI 304	TORNILLOS M4X8	AISI 304

NOTES

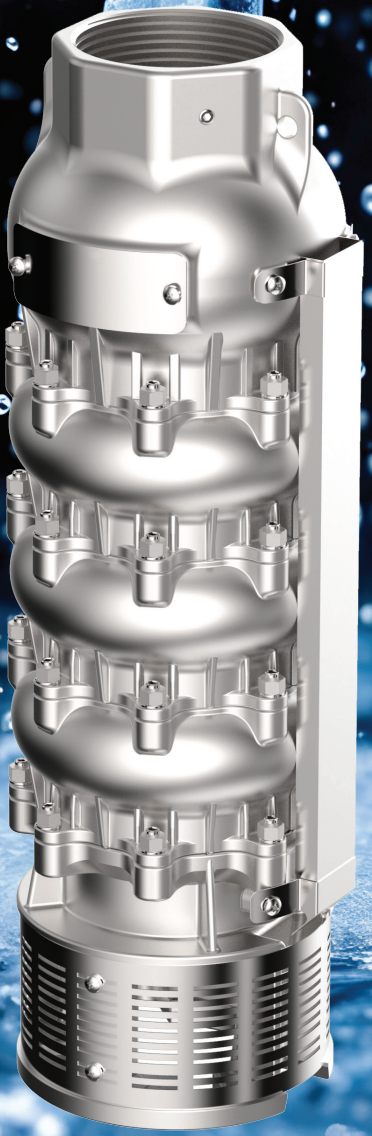
6”-8” 50Hz

MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable

Clean
Civil
Industry
Fire
Agriculture

Tolleranza alla sabbia 100 g/m³
Sand tolerance 100 g/m³
Tolérance au sable 100 g/m³
Tolerancia de arena 100 g/m³



Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia

Risparmio energetico
Energy savings
Ahorro de energía
Économies d’énergie

Pressioni elevate
High pressures
Hautes pressions
Altas presiones

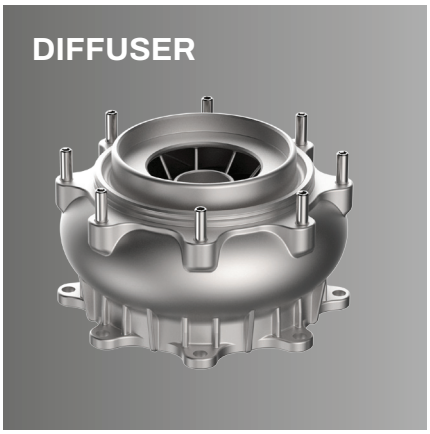
metro

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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable

Diffusore
Grazie allo studio di un nuovo sistema di palettatura della girante che si integra nel diffusore, progettato e testato per raggiungere alti livelli di rendimento idraulico, la MRHX riesce a dare un'efficienza elevata e valori di pressione tra i più alti della famiglia delle pompe radiali.
Elevata portata: fino a 50 m³/h (Versione 6”) - fino a 80 m³/h (Versione 8”)
Massimo contenuto di sabbia: 100 g/m³

Diffuser
The MRHX is able to achieve high efficiency and pressure values, among the highest in the radial pump range, as a result of the study of a new impeller blade system integrated in the diffuser, designed and tested to achieve high hydraulic efficiency.
High capacity: Up to 50 m³/h (6” version) - up to 80 m³/h (8” version)
Maximum sand content: 100 g/m

Diffuseur
Le MRHX est capable d'atteindre des valeurs de rendement et de pression élevées, parmi les plus élevées de la gamme des pompes radiales, grâce à l'étude d'un nouveau système de pales de turbine intégré dans le diffuseur, conçu et testé pour atteindre un rendement hydraulique élevé.
Débit très élevé: jusqu'à 50 m³/h (version 6”) - 80 m³/h (version 8”)
Tolérance de sable maximum: 100 g/m³

Difusor
La MRHX es capaz de alcanzar altos valores de eficiencia y presión, entre los más altos en la gama de bombas radiales, como resultado del estudio de un nuevo sistema de álabes del impulsor integrado en el difusor, diseñado y probado para lograr una alta eficiencia hidráulica.
Caudal elevado: hasta 50 m³/h (Versión 6”) - 80 m³/h (versión 8”)
Máxima cantidad de arena: 100 g/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” - 8” MRHX

Pompa sommersa radiale inox - Esempio di impiego
Stainless steel radial submersible pump - Use case
Pompe submersible radiale en acier inoxydable - Cas d’utilisation
Bomba sumergible radial de acero inoxidable - Caso de uso

Tra i diversi impieghi delle elettropompe sommerse, vi è il raffreddamento di macchinari industriali.
Un’elettropompa sommersa inserita all’interno di un serbatoio di acqua fredda, lavora prelevando il fluido e muovendolo attraverso un sistema di tubi attorno al macchinario da raffreddare. Durante questo processo, l’acqua assorbe il calore dal macchinario tramite conduzione e lo dissipa nell’ambiente attraverso uno scambio termico. Questo ciclo di raffreddamento avviene in modo continuo, garantendo il controllo costante della temperatura del macchinario. La scelta di un’elettropompa sommersa offre diversi vantaggi, una maggiore efficienza nel trasferimento di calore e una minore rumorosità rispetto ad altre soluzioni in commerco per il raffreddamento. Sistemi di raffreddamento che utilizzano elettropompe sommerse vengono utilizzati in ambienti industriali o in quelle applicazione dove serve mantenere temperature ottimali per il corretto funzionamento del macchinario.

One of the many applications of submersible pumps is the cooling of industrial machinery.
An electric submersible pump placed in a cold water tank works by pumping the liquid through a system of pipes around the equipment to be cooled. During this process, the water absorbs heat from the industrial machinery by conduction and dissipates it to the environment through heat exchange. This cooling cycle takes place continuously, ensuring constant temperature control of the machinery.
Choosing a submersible pump offers several advantages, including higher heat transfer efficiency and lower noise levels than other commercially available cooling solutions. Cooling systems are used in industrial environments or in applications where optimum temperatures must be maintained for the correct operation of machinery.

L’une des nombreuses applications des pompes submersibles est le refroidissement des machines industrielles.
Une pompe submersible électrique, placée dans un réservoir d’eau froide, pompe le liquide à travers un système de tuyauterie autour de l’équipement à refroidir. Au cours de ce processus, l’eau absorbe la chaleur des machines industrielles par conduction et la dissipe dans l’environnement par échange thermique. Ce cycle de refroidissement est continu, assurant un contrôle constant de la température des machines. Choisir une pompe submersible offre plusieurs avantages, notamment une meilleure efficacité de transfert de chaleur et un niveau sonore inférieur à celui des autres solutions de refroidissement disponibles sur le marché. Les systèmes de refroidissement sont utilisés dans les environnements industriels ou dans les applications où des températures optimales doivent être maintenues pour le bon fonctionnement des machines.

Una de las múltiples aplicaciones de las bombas sumergibles es la refrigeración de maquinaria industrial.
Una bomba sumergible eléctrica, colocada en un depósito de agua fría, bombea el líquido a través de un sistema de tuberías alrededor del equipo que se va a enfriar. Durante este proceso, el agua absorbe el calor de la maquinaria industrial por conducción y lo disipa al ambiente mediante intercambio térmico. Este ciclo de refrigeración es continuo, lo que garantiza un control constante de la temperatura de la maquinaria. Elegir una bomba sumergible ofrece varias ventajas, como una mayor eficiencia de transferencia de calor y menores niveles de ruido que otras soluciones de refrigeración disponibles en el mercado. Los sistemas de refrigeración se utilizan en entornos industriales o en aplicaciones donde es necesario mantener temperaturas óptimas para el correcto funcionamiento de la maquinaria.

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable



ELETTROPOMPE SOMMERSE RADIALI 6”/8” - SERIE 6”/8” MRHX
Le pompe radiali della gamma MRHX, sono completamente in acciaio inossidabile microfuso AISI 304 e rappresentano la soluzione più evoluta e performante della gamma radiale.

VANTAGGI
La soluzione radiale avendo un ingombro assiale particolarmente ridotto permette l’impiego di un elevato numero di stadi, con la conseguenza di ottenere a parità di diametro prevalenze molto elevate. Il diffusore, grazie al sistema di palettatura prolungata fino all’ uscita della girante, consente all’acqua di seguire una traiettoria obbligata con conseguente aumento delle prestazioni e del rendimento idraulico. Lo stadio è composto da: girante, diffusore, cono e ghiera, bronzina intermedia, anello di usura, o-ring. In questo tipo di pompa le giranti sono fissate all’albero pompa tramite il cono e la ghiera, evitando quindi il taglio chiavetta e il relativo indebolimento dell’albero. Il corpo diffusore è bloccato l’uno con l’altro, tramite n° 8 Viti prigioniere.

MATERIALI
Diffusore, gabbia di aspirazione, corpo valvola e giranti in acciaio inox microfuso EN 1.4301 (AISI 304).
Albero pompa in acciaio inox EN 1.4301 (AISI 304) - Bronzine, anelli di usura, guarnizione valvola in gomma NBR.
Su richiesta possibilità di fornire idraulica in AISI 316 e DUPLEX 1.4462

CAMPI DI PRESTAZIONE IDRAULICHE
- Portate Fino a 50 m³/h (Versione 6”)
- Portate fino a 80 m³/h (Versione 8”)
- Potenze fino a 37 Kw(Versione 6”)
- Potenze fino a 92 Kw (Versione 8”)
- Prevalenze fino a 682 m

RADIAL SUBMERSIBLE PUMPS 6”/8” - SERIES 6”/8” MRHX
The radial pumps in the MRHX range are made entirely of microcast AISI 304 stainless steel and represent the most advanced and high-performance solution in the radial range.

ADVANTAGES
The radial solution, which has a very small footprint in the axial direction, allows the use of a high number of stages, with the consequence of obtaining very high heads with the same diameter. The diffuser, thanks to the extended blade system up to the outlet of the impeller, allows the water to follow a compulsory trajectory with a consequent increase in performance and hydraulic efficiency. The stage consists of: impeller, diffuser, cone and ring nut, intermediate bush, wear ring, o-ring. In this type of pump, the impellers are fixed to the pump shaft by the cone and ring nut, thus avoiding key cutting and the associated weakening of the shaft. The diffuser body is locked to each other by n° 8 captive screws.

MATERIALS
Diffuser, suction cage, valve body and impellers in micro-cast stainless steel EN 1.4301 (AISI 304)
Pump shaft in stainless steel EN 1.4301 (AISI 304) - Bushings, wear rings, valve gasket in NBR rubber.
On request, hydraulics in AISI 316 and DUPLEX 1.4462 can be supplied

HYDRAULIC PERFORMANCES
- Flow rates up to 50 m³/h (6” version)
- Flow rates up to 80 m³/h (8” version)
- Powers up to 37 Kw (6” version)
- Powers up to 92 Kw (8” version)
- Head up to 682 m

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable



POMPES IMMERGÉES RADIALES 6”/8” - SÉRIE 6”/8” MRHX

Les pompes radiales de la gamme MRHX sont entièrement fabriquées en acier inoxydable AISI 304 microfondu et représentent la solution la plus avancée et la plus performante de la gamme radiale.

ADVANTAGES

La solution radiale, avec un encombrement axial particulièrement réduit, permet l’utilisation d’un grand nombre d’étages, avec pour conséquence l’obtention de hauteurs d’élévation très élevées avec le même diamètre. Le diffuseur, grâce au système d’ailettes prolongées jusqu’à la sortie de la roue, permet à l’eau de suivre une trajectoire obligatoire avec une augmentation conséquente des performances et de l’efficacité hydraulique. L’étage se compose de : roue, diffuseur, cône et écrou de bague, douille intermédiaire, bague d’usure, joint torique. Dans ce type de pompe, les roues sont fixées à l’arbre de la pompe par l’écrou à cône et à bague, ce qui évite de couper la clavette et d’affaiblir l’arbre. Le corps du diffuseur est fixé l’un à l’autre par des vis imperdables n° 8.

MATERIAUX

Diffuseur, cage d’aspiration, corps de vanne et roues en acier inoxydable microfondu EN 1.4301 (AISI 304).
Arbre de pompe en acier inoxydable EN 1.4301 (AISI 304) - Bagues, anneaux d’usure, joint de vanne en caoutchouc NBR.
Sur demande, des hydrauliques en AISI 316 et DUPLEX 1.4462 peuvent être fournies.

PERFORMANCES HYDRAULIQUES

- Débit jusqu’à 50 m³/h (Version 6”)
- Débit jusqu’à 80 m³/h (Version 8”)
- Puissances jusqu’à 37 Kw (Version 6”)
- Puissance jusqu’à 92 Kw (Version 8”)
- Hauteur de chute jusqu’à 682 m

BOMBAS SUMERGIBLES RADIALES 6”/8” - SERIE 6”/8” MRHX

Las bombas radiales de la gama MRHX están fabricadas íntegramente en acero inoxidable AISI 304 microfundido y representan la solución más avanzada y de mayor rendimiento de la gama radial.

VENTAJAS

La solución radial, al tener una huella axial particularmente reducida, permite utilizar un elevado número de etapas, con la consecuencia de obtener alturas de elevación muy elevadas con el mismo diámetro. El difusor, gracias al sistema de álabes prolongados hasta la salida del rodete, permite que el agua siga una trayectoria forzada con el consiguiente aumento del rendimiento y de la eficacia hidráulica. La etapa se compone de: rodete, difusor, cono y tuerca anular, casquillo intermedio, anillo de desgaste, junta tórica. En este tipo de bomba, los impulsores se fijan al eje de la bomba a través del cono y la tuerca anular, evitando así el corte de chaveta y el consiguiente debilitamiento del eje. El cuerpo del difusor se fija entre sí mediante tornillos prisioneros de

MATERIALES

Difusor, jaula de aspiración, cuerpo de la válvula e impulsores en acero inoxidable de fundición de precisión EN 1.4301 (AISI 304) Eje de la bomba en acero inoxidable EN 1.4301 (AISI 304) - Bujes, anillos de desgaste, junta de la válvula en caucho NBR.
Bajo pedido, se pueden suministrar hidráulicos en AISI 316 y DUPLEX 1.4462

PRESTACIONES HIDRAULICAS

- Caudales hasta 50 m³/h (Versión 6”)
- Caudales hasta 80 m³/h (Versión 8”)
- Potencias hasta 37 Kw (Versión 6”)
- Potencias hasta 92 Kw (Versión 8”)
- Altura hasta 682 m

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” MRHX 15

Pompa sommersa radiale inox
Stainless steel radial submersible pump

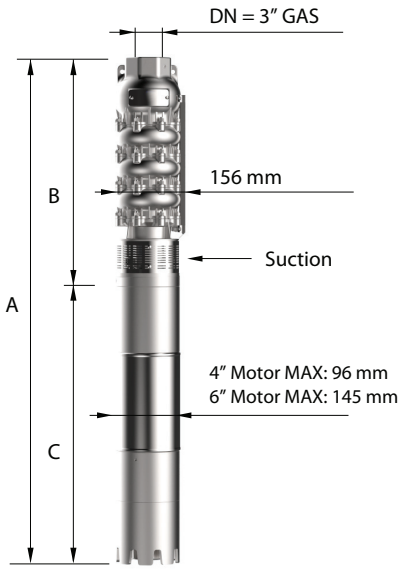
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	100	150	200	250	300	350	400
			l/sec	0	1,7	2,5	3,3	4,2	5	5,8	6,7
			m³/h	0	6	9	12	15	18	21	24
6” MRHX 15/01	0,75	1	H(m)	15	14	13	13	12	11	9	7
6” MRHX 15/02	1,5	2		29	28	26	25	23	21	18	14
6” MRHX 15/03	2,2	3		44	41	40	38	35	32	26	20
6” MRHX 15/04	3	4		58	55	53	50	46	42	35	27
6” MRHX 15/05	4	5,5		73	69	66	63	58	53	44	34
6” MRHX 15/06	5,5	7,5		88	83	79	75	70	63	53	41
6” MRHX 15/07	5,5	7,5		102	97	92	88	81	74	62	48
6” MRHX 15/08	5,5	7,5		117	110	106	100	93	84	70	54
6” MRHX 15/09	7,5	10		131	124	119	113	104	95	79	61
6” MRHX 15/10	7,5	10		146	138	132	125	116	105	88	68
6” MRHX 15/11	9,2	12,5		161	152	145	138	128	116	97	75
6” MRHX 15/12	9,2	12,5		175	166	158	150	139	126	106	82
6” MRHX 15/13	9,2	12,5		190	179	172	163	151	137	114	88
6” MRHX 15/14	11	15		204	193	185	175	162	147	123	95
6” MRHX 15/15	11	15		219	207	198	188	174	158	132	102
6” MRHX 15/16	11	15		234	221	211	200	186	168	141	109
6” MRHX 15/17	13	17,5		248	235	224	213	197	179	150	116
6” MRHX 15/18	13	17,5		263	248	238	225	209	189	158	122

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MRHX 15/01	639	302	337	10	11
6” MRHX 15/02	761	369	392	13	15
6” MRHX 15/03	888	436	452	15	20
6” MRHX 15/04	1060	503	557	19	24
6” MRHX 15/05	1167	570	597	22	28
6” MRHX 15/06	1335	637	698	27	32
6” MRHX 15/07	1402	704	698	27	36
6” MRHX 15/08	1469	771	698	27	40
6” MRHX 15/09	1539	838	701	55	44
6” MRHX 15/10	1606	905	701	55	49
6” MRHX 15/11	1723	972	751	60	53
6” MRHX 15/12	1790	1039	751	60	57
6” MRHX 15/13	1857	1106	751	60	61
6” MRHX 15/14	1984	1173	811	65	65
6” MRHX 15/15	2051	1240	811	65	69
6” MRHX 15/16	2118	1307	811	65	74
6” MRHX 15/17	2215	1374	841	70	78
6” MRHX 15/18	2282	1441	841	70	82



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

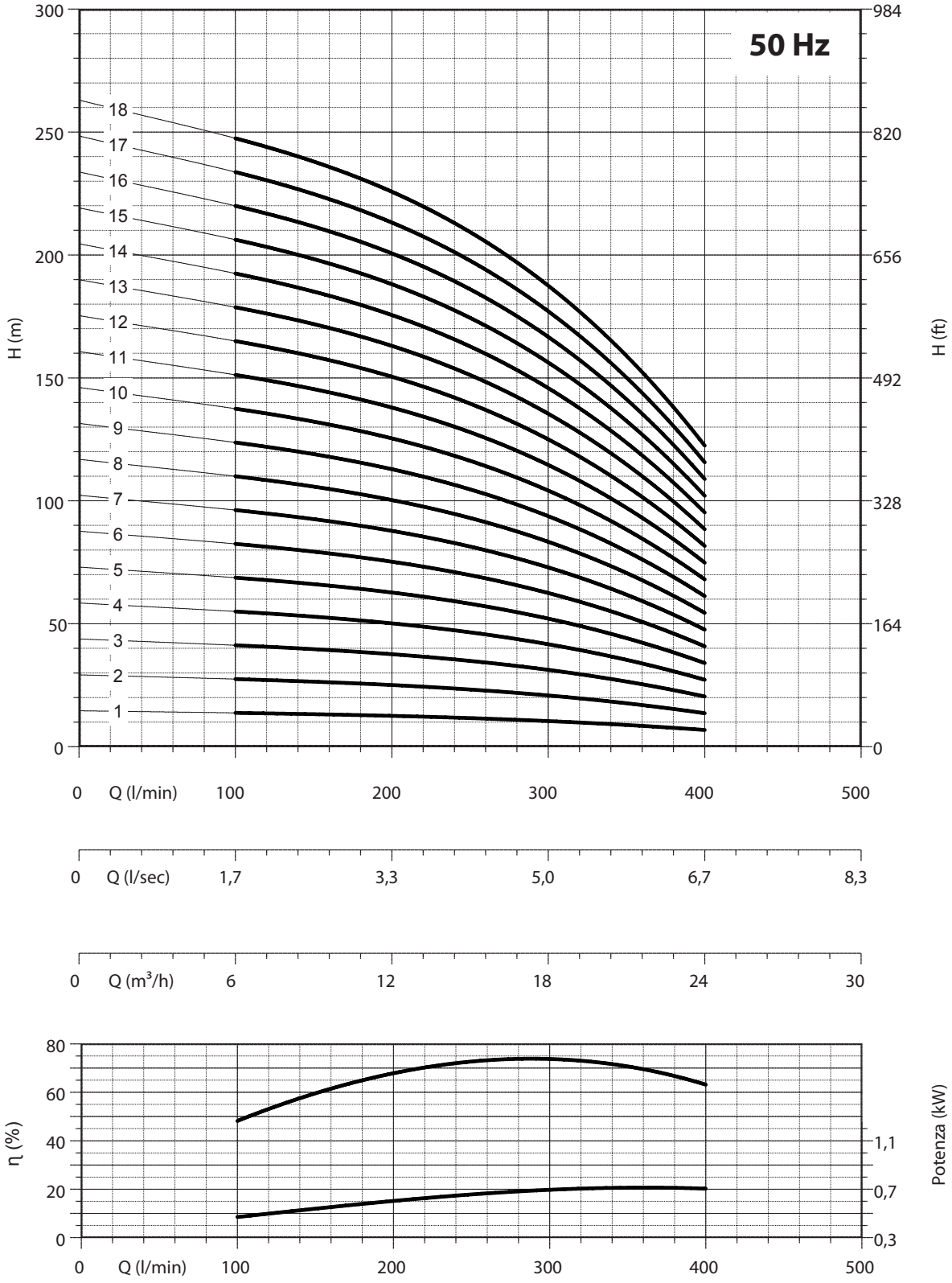
Max 0,71

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRHX 15

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 15	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 15

Pompa sommersa radiale inox
Stainless steel radial submersible pump

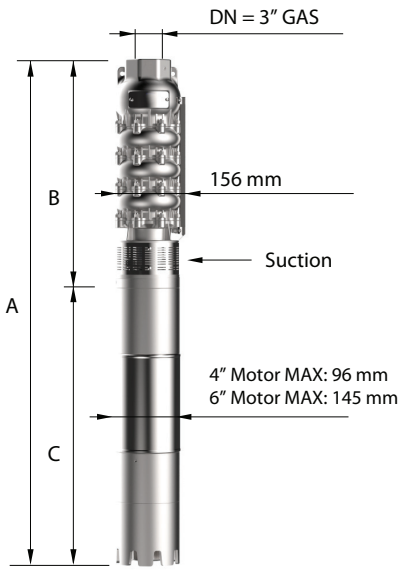
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	100	150	200	250	300	350	400
			l/sec	0	1,7	2,5	3,3	4,2	5	5,8	6,7
	kW	HP	m³/h	0	6	9	12	15	18	21	24
6” MRHX 15/19	15	20		277	262	251	238	220	200	167	129
6” MRHX 15/20	15	20		292	276	264	250	232	210	176	136
6” MRHX 15/21	15	20		307	290	277	263	244	221	185	143
6” MRHX 15/22	18,5	25		321	304	290	275	255	231	194	150
6” MRHX 15/23	18,5	25		336	317	304	288	267	242	202	156
6” MRHX 15/24	18,5	25		350	331	317	300	278	252	211	163
6” MRHX 15/25	18,5	25		365	345	330	313	290	263	220	170
6” MRHX 15/26	18,5	25		380	359	343	325	302	273	229	177
6” MRHX 15/27	22	30		394	373	356	338	313	284	238	184
6” MRHX 15/28	22	30	H(m)	409	386	370	350	325	294	246	190
6” MRHX 15/29	22	30		423	400	383	363	336	305	255	197
6” MRHX 15/30	22	30		438	414	396	375	348	315	264	204
6” MRHX 15/31	22	30		453	428	409	388	360	326	273	211
6” MRHX 15/32	26	35		467	442	422	400	371	336	282	218
6” MRHX 15/33	26	35		482	455	436	413	383	347	290	224
6” MRHX 15/34	26	35		496	469	449	425	394	357	299	231
6” MRHX 15/35	26	35		511	483	462	438	406	368	308	238
6” MRHX 15/36	26	35		526	497	475	450	418	378	317	245
6” MRHX 15/37	26	35		540	511	488	463	429	389	326	252

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MRHX 15/19	2439	1508	931	75	86
6” MRHX 15/20	2506	1575	931	75	90
6” MRHX 15/21	2573	1642	931	75	94
6” MRHX 15/22	2700	1709	991	83	98
6” MRHX 15/23	2767	1776	991	83	103
6” MRHX 15/24	2834	1843	991	83	107
6” MRHX 15/25	2901	1910	991	83	111
6” MRHX 15/26	2968	1977	991	83	115
6” MRHX 15/27	3115	2044	1071	92	119
6” MRHX 15/28	3182	2111	1071	92	123
6” MRHX 15/29	3249	2178	1071	92	127
6” MRHX 15/30	3316	2245	1071	92	132
6” MRHX 15/31	3383	2312	1071	92	136
6” MRHX 15/32	3560	2379	1181	100	140
6” MRHX 15/33	3627	2446	1181	100	144
6” MRHX 15/34	3694	2513	1181	100	148
6” MRHX 15/35	3761	2580	1181	100	152
6” MRHX 15/36	3828	2647	1181	100	157
6” MRHX 15/37	3895	2714	1181	100	161



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

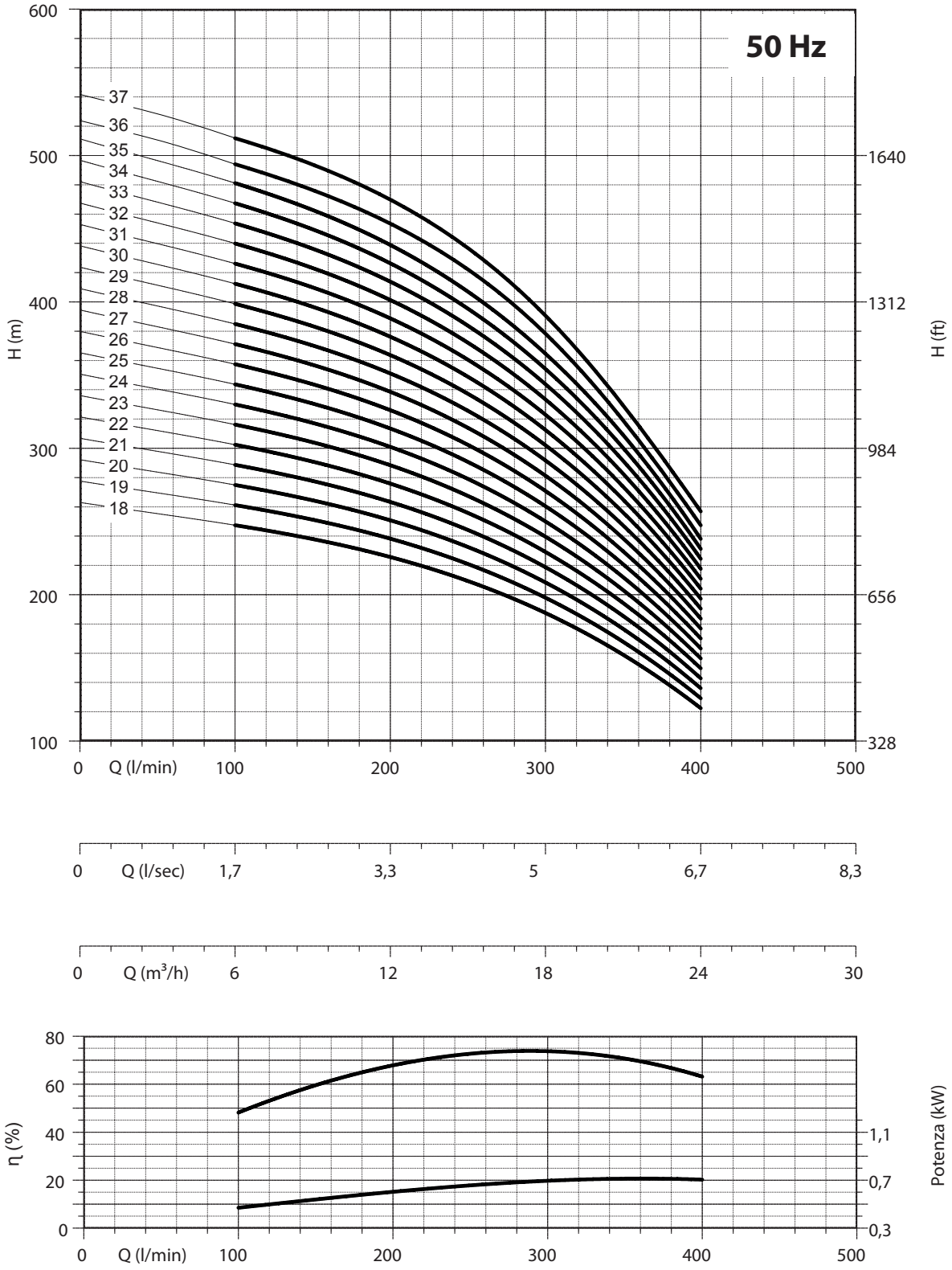
Max 0,71

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRHX 15

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 15	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 19

Pompa sommersa radiale inox
Stainless steel radial submersible pump

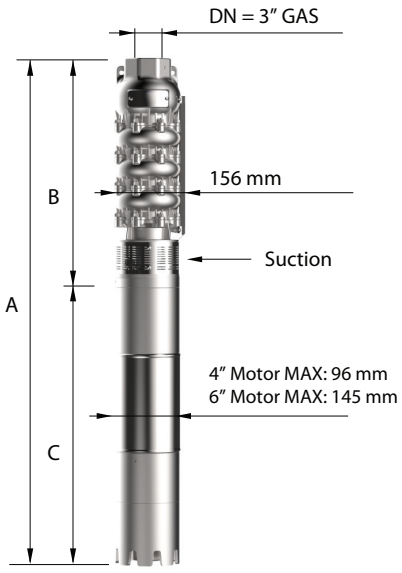
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	150	200	250	300	350	400	450	500
			l/sec	0	2,5	3,3	4,2	5,0	5,8	6,7	7,5	8,3
			m³/h	0	9	12	15	18	21	24	27	30
6” MRHX 19/01	1,1	1,5	H(m)	15	14	14	13	12	11	10	9	7
6” MRHX 19/02	2,2	3		29	28	27	26	25	23	20	17	14
6” MRHX 19/03	3	4		44	42	41	40	37	34	30	26	21
6” MRHX 19/04	4	5,5		58	56	54	53	50	45	40	35	28
6” MRHX 19/05	5,5	7,5		73	71	68	66	62	57	51	44	35
6” MRHX 19/06	5,5	7,5		87	85	82	79	74	68	61	52	42
6” MRHX 19/07	7,5	10		102	99	95	92	87	79	71	61	49
6” MRHX 19/08	7,5	10		116	113	109	106	99	90	81	70	56
6” MRHX 19/09	9,2	12,5		131	127	122	119	112	102	91	78	63
6” MRHX 19/10	9,2	12,5		145	141	136	132	124	113	101	87	70
6” MRHX 19/11	11	15		160	155	150	145	136	124	111	96	77
6” MRHX 19/12	11	15		174	169	163	158	149	136	121	104	84
6” MRHX 19/13	13	17,5		189	183	177	172	161	147	131	113	91
6” MRHX 19/14	13	17,5		203	197	190	185	174	158	141	122	98
6” MRHX 19/15	15	20		218	212	204	198	186	170	152	131	105
6” MRHX 19/16	15	20		232	226	218	211	198	181	162	139	112
6” MRHX 19/17	18,5	25		247	240	231	224	211	192	172	148	119
6” MRHX 19/18	18,5	25		261	254	245	238	223	203	182	157	126

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MRHX 19/01	664	302	362	12	11
6” MRHX 19/02	821	369	452	15	15
6” MRHX 19/03	993	436	557	19	20
6” MRHX 19/04	1100	503	597	22	24
6” MRHX 19/05	1268	570	698	27	28
6” MRHX 19/06	1335	637	698	27	32
6” MRHX 19/07	1405	704	701	55	36
6” MRHX 19/08	1472	771	701	55	40
6” MRHX 19/09	1589	838	751	60	44
6” MRHX 19/10	1656	905	751	60	49
6” MRHX 19/11	1783	972	811	65	53
6” MRHX 19/12	1850	1039	811	65	57
6” MRHX 19/13	1947	1106	841	70	61
6” MRHX 19/14	2014	1173	841	70	65
6” MRHX 19/15	2171	1240	931	75	69
6” MRHX 19/16	2238	1307	931	75	74
6” MRHX 19/17	2365	1374	991	83	78
6” MRHX 19/18	2432	1441	991	83	82



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

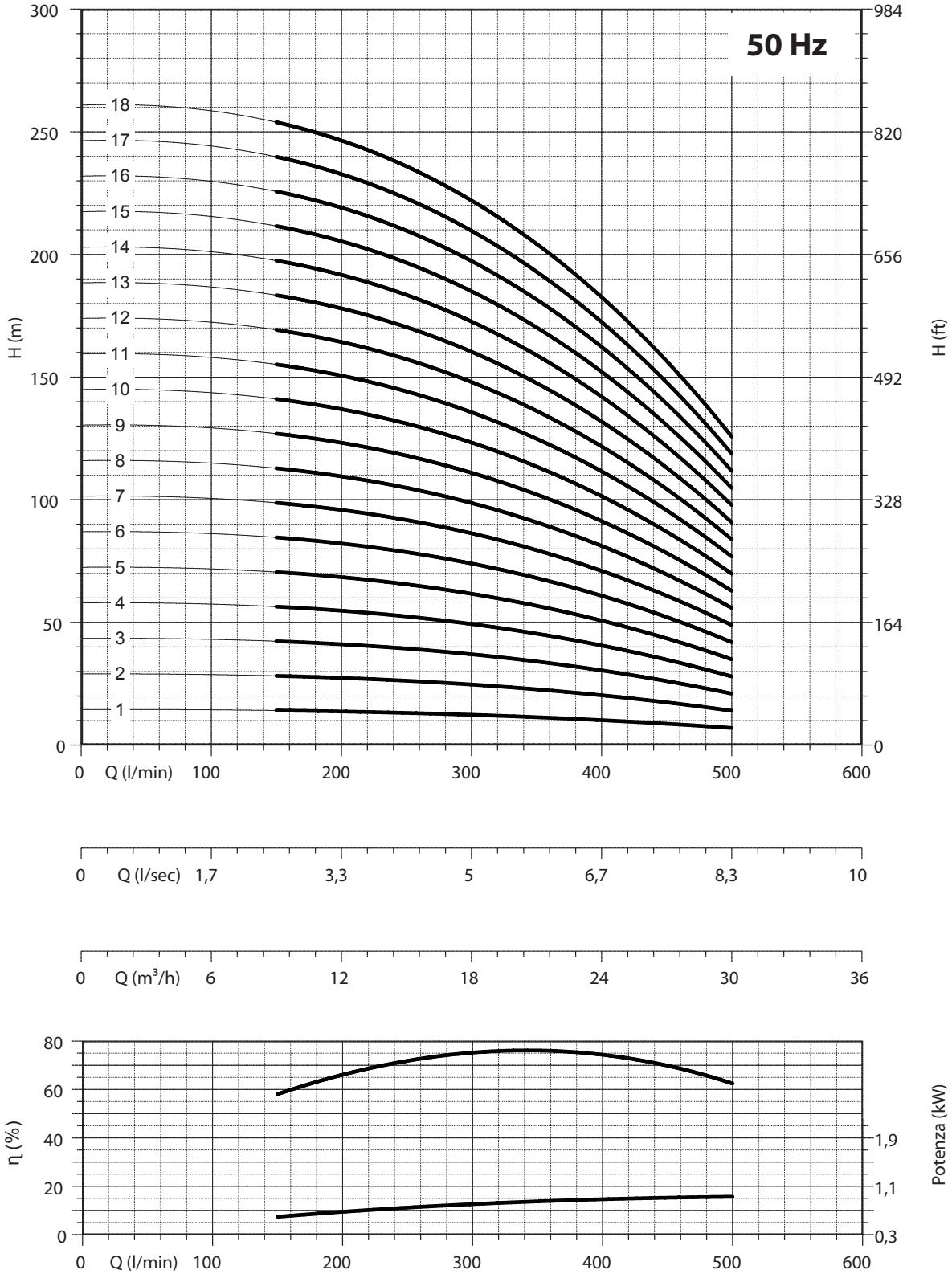
Max 0,93

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRHX 19

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 19	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 19

Pompa sommersa radiale inox
Stainless steel radial submersible pump

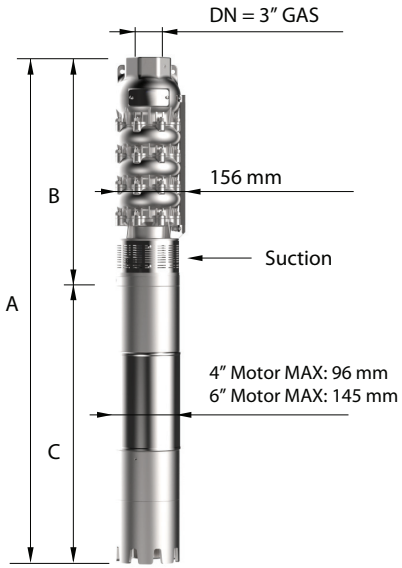
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	150	200	250	300	350	400	450	500
			l/sec	0	2,5	3,3	4,2	5,0	5,8	6,7	7,5	8,3
			m³/h	0	9	12	15	18	21	24	27	30
6” MRHX 19/19	18,5	25		276	268	258	251	236	215	192	165	133
6” MRHX 19/20	18,5	25		290	282	272	264	248	226	202	174	140
6” MRHX 19/21	22	30		305	296	286	277	260	237	212	183	147
6” MRHX 19/22	22	30		319	310	299	290	273	249	222	191	154
6” MRHX 19/23	22	30		334	324	313	304	285	260	232	200	161
6” MRHX 19/24	22	30		348	338	326	317	298	271	242	209	168
6” MRHX 19/25	26	35		363	353	340	330	310	283	253	218	175
6” MRHX 19/26	26	35		377	367	354	343	322	294	263	226	182
6” MRHX 19/27	26	35	H(m)	392	381	367	356	335	305	273	235	189
6” MRHX 19/28	26	35		406	395	381	370	347	316	283	244	196
6” MRHX 19/29	30	40		421	409	394	383	360	328	293	252	203
6” MRHX 19/30	30	40		435	423	408	396	372	339	303	261	210
6” MRHX 19/31	30	40		450	437	422	409	384	350	313	270	217
6” MRHX 19/32	30	40		464	451	435	422	397	362	323	278	224
6” MRHX 19/33	37	50		479	465	449	436	409	373	333	287	231
6” MRHX 19/34	37	50		493	479	462	449	422	384	343	296	238
6” MRHX 19/35	37	50		508	494	476	462	434	396	354	305	245

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRHX 19/19	2499	1508	991	83	86
6” MRHX 19/20	2566	1575	991	83	90
6” MRHX 19/21	2713	1642	1071	92	94
6” MRHX 19/22	2780	1709	1071	92	98
6” MRHX 19/23	2847	1776	1071	92	103
6” MRHX 19/24	2914	1843	1071	92	107
6” MRHX 19/25	3091	1910	1181	100	111
6” MRHX 19/26	3158	1977	1181	100	115
6” MRHX 19/27	3225	2044	1181	100	119
6” MRHX 19/28	3292	2111	1181	100	123
6” MRHX 19/29	3429	2178	1251	108	127
6” MRHX 19/30	3496	2245	1251	108	132
6” MRHX 19/31	3563	2312	1251	108	136
6” MRHX 19/32	3630	2379	1251	108	140
6” MRHX 19/33	3787	2446	1341	118	144
6” MRHX 19/34	3854	2513	1341	118	148
6” MRHX 19/35	3921	2580	1341	118	152



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

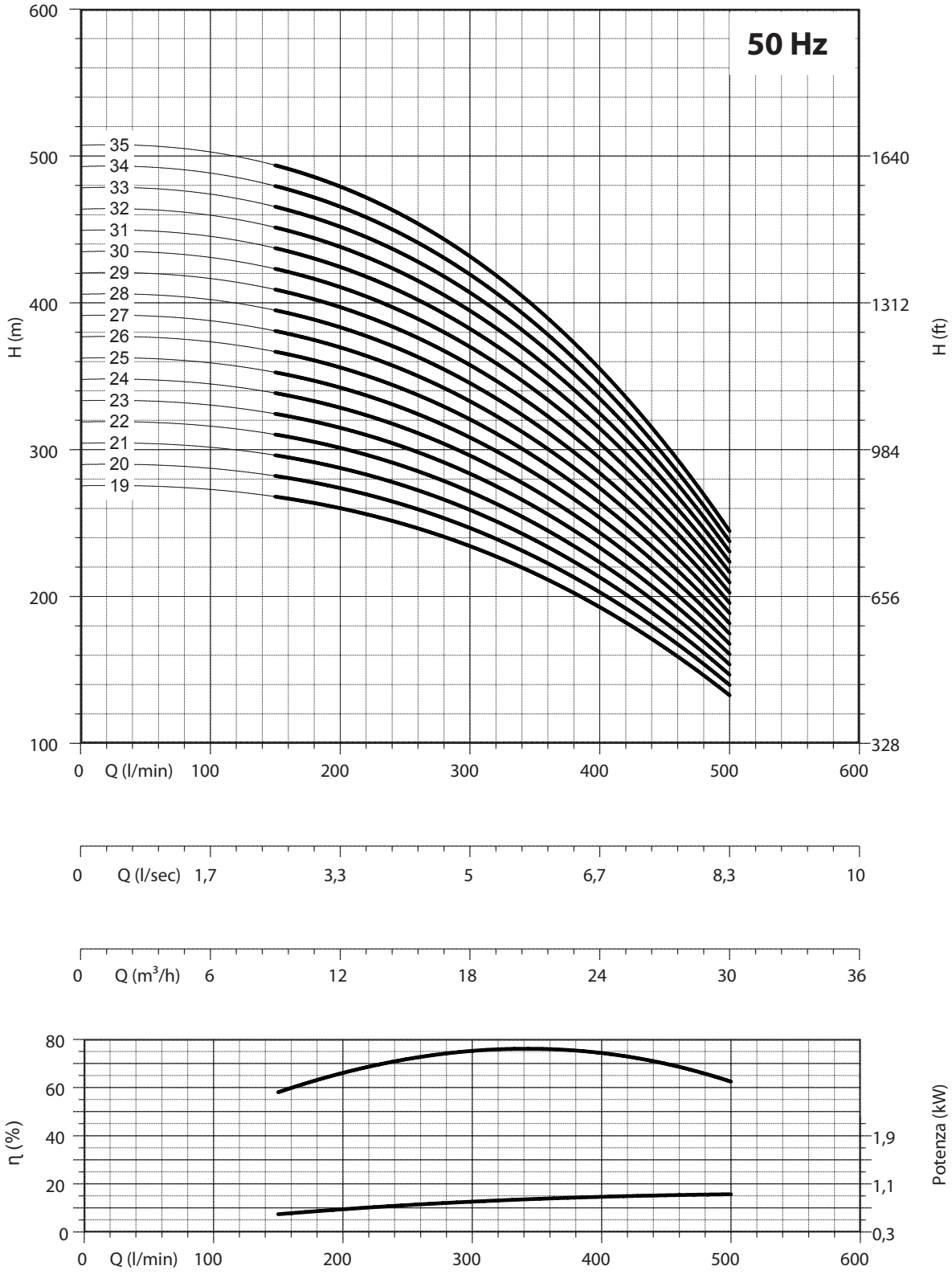
Max 0,93

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRHX 19

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 19	3	3	4	6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 24

Pompa sommersa radiale inox
Stainless steel radial submersible pump

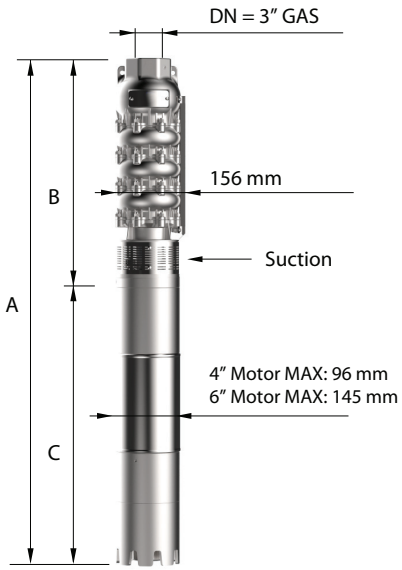
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	200	250	300	350	400	450	500	550	600
			l/sec	0	3,3	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0
			m³/h	0	12	15	18	21	24	27	30	33	36
6” MRHX 24/01	1,1	1,5	H(m)	15	15	14	14	13	12	11	10	9	8
6” MRHX 24/02	2,2	3		30	29	28	27	26	24	23	21	18	16
6” MRHX 24/03	4	5,5		44	44	42	41	39	37	34	31	28	24
6” MRHX 24/04	5,5	7,5		59	58	56	54	52	49	45	41	37	32
6” MRHX 24/05	7,5	10		74	73	71	68	65	61	57	52	46	41
6” MRHX 24/06	7,5	10		89	87	85	82	78	73	68	62	55	49
6” MRHX 24/07	9,2	12,5		104	102	99	95	91	85	79	72	64	57
6” MRHX 24/08	9,2	12,5		118	116	113	109	104	98	90	82	74	65
6” MRHX 24/09	11	15		133	131	127	122	117	110	102	93	83	73
6” MRHX 24/10	13	17,5		148	145	141	136	130	122	113	103	92	81
6” MRHX 24/11	13	17,5		163	160	155	150	143	134	124	113	101	89
6” MRHX 24/12	15	20		178	174	169	163	156	146	136	124	110	97
6” MRHX 24/13	15	20		192	189	183	177	169	159	147	134	120	105
6” MRHX 24/14	18,5	25		207	203	197	190	182	171	158	144	129	113
6” MRHX 24/15	18,5	25		222	218	212	204	195	183	170	155	138	122
6” MRHX 24/16	18,5	25		237	232	226	218	208	195	181	165	147	130

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRHX 24/01	664	302	362	12	11
6” MRHX 24/02	821	369	452	15	15
6” MRHX 24/03	1033	436	597	22	20
6” MRHX 24/04	1201	503	698	27	24
6” MRHX 24/05	1271	570	701	55	28
6” MRHX 24/06	1338	637	701	55	32
6” MRHX 24/07	1455	704	751	60	36
6” MRHX 24/08	1522	771	751	60	40
6” MRHX 24/09	1649	838	811	65	44
6” MRHX 24/10	1746	905	841	70	49
6” MRHX 24/11	1813	972	841	70	53
6” MRHX 24/12	1970	1039	931	75	57
6” MRHX 24/13	2037	1106	931	75	61
6” MRHX 24/14	2164	1173	991	83	65
6” MRHX 24/15	2231	1240	991	83	69
6” MRHX 24/16	2298	1307	991	83	74



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,15

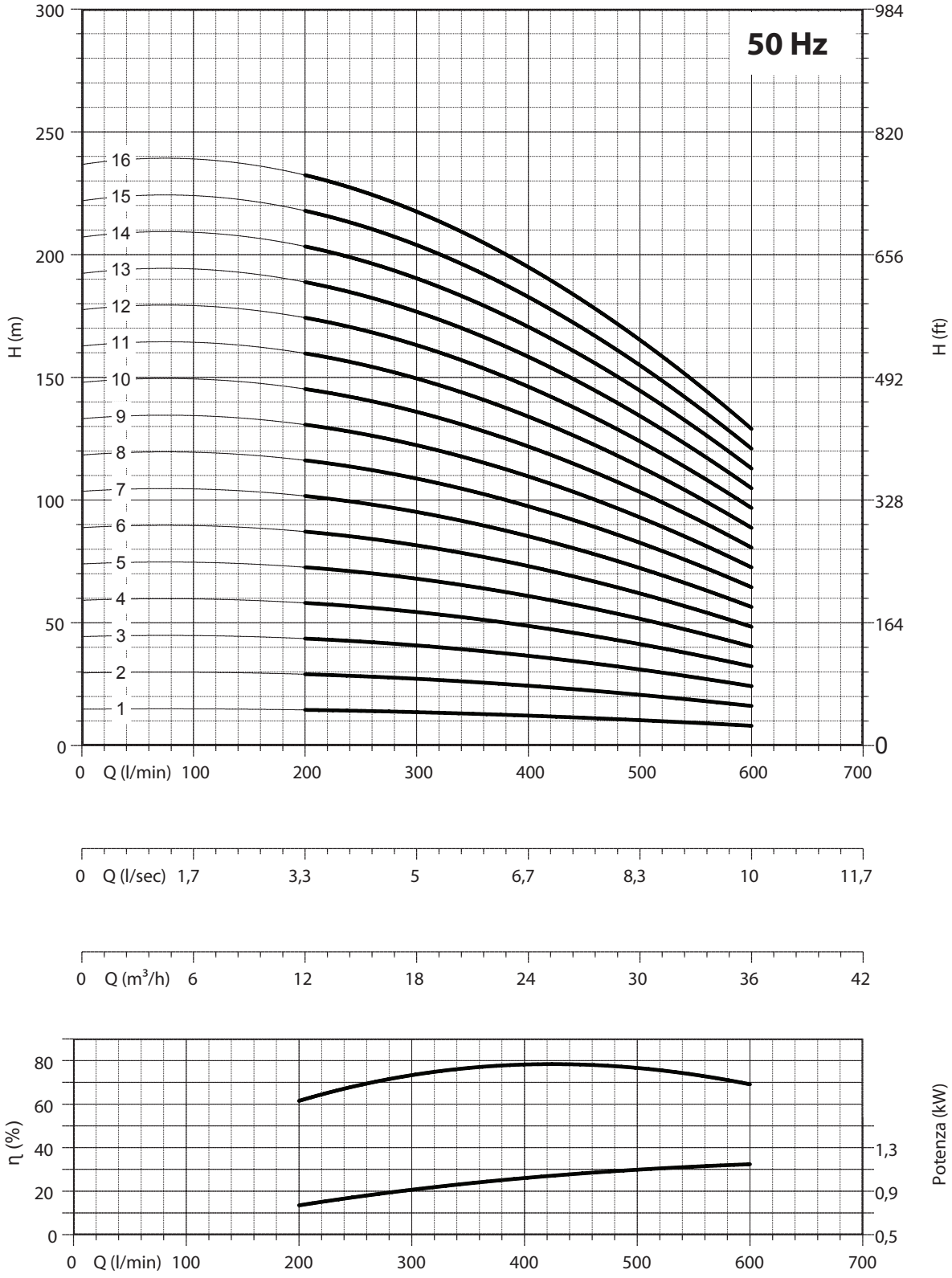
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 24

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 24	3	3	4,5	6,6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 24

Pompa sommersa radiale inox
Stainless steel radial submersible pump

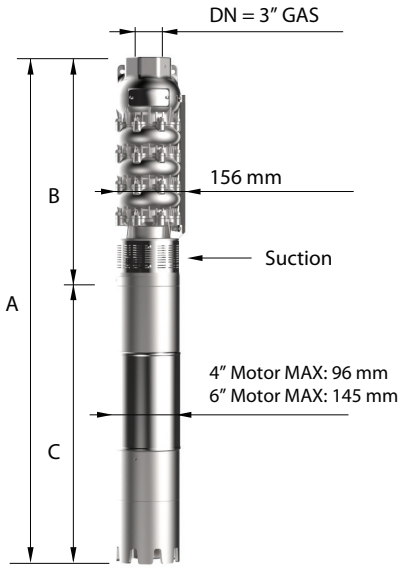
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	200	250	300	350	400	450	500	550	600
			l/sec	0	3,3	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0
			m³/h	0	12	15	18	21	24	27	30	33	36
6” MRHX 24/17	22	30		252	247	240	231	221	207	192	175	156	138
6” MRHX 24/18	22	30		266	261	254	245	234	220	203	185	166	146
6” MRHX 24/19	26	35		281	276	268	258	247	232	215	196	175	154
6” MRHX 24/20	26	35		296	290	282	272	260	244	226	206	184	162
6” MRHX 24/21	26	35		311	305	296	286	273	256	237	216	193	170
6” MRHX 24/22	26	35		326	319	310	299	286	268	249	227	202	178
6” MRHX 24/23	26	35		340	334	324	313	299	281	260	237	212	186
6” MRHX 24/24	30	40		355	348	338	326	312	293	271	247	221	194
6” MRHX 24/25	30	40	H(m)	370	363	353	340	325	305	283	258	230	203
6” MRHX 24/26	30	40		385	377	367	354	338	317	294	268	239	211
6” MRHX 24/27	37	50		400	392	381	367	351	329	305	278	248	219
6” MRHX 24/28	37	50		414	406	395	381	364	342	316	288	258	227
6” MRHX 24/29	37	50		429	421	409	394	377	354	328	299	267	235
6” MRHX 24/30	37	50		444	435	423	408	390	366	339	309	276	243
6” MRHX 24/31	37	50		459	450	437	422	403	378	350	319	285	251
6” MRHX 24/32	37	50		474	464	451	435	416	390	362	330	294	259
6” MRHX 24/33	37	50		488	479	465	449	429	403	373	340	304	267

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MRHX 24/17	2445	1374	1071	92	78
6” MRHX 24/18	2512	1441	1071	92	82
6” MRHX 24/19	2579	1508	1071	92	86
6” MRHX 24/20	2756	1575	1181	100	90
6” MRHX 24/21	2823	1642	1181	100	94
6” MRHX 24/22	2890	1709	1181	100	98
6” MRHX 24/23	2957	1776	1181	100	103
6” MRHX 24/24	3094	1843	1251	108	107
6” MRHX 24/25	3161	1910	1251	108	111
6” MRHX 24/26	3228	1977	1251	108	115
6” MRHX 24/27	3385	2044	1341	118	119
6” MRHX 24/28	3452	2111	1341	118	123
6” MRHX 24/29	3519	2178	1341	118	127
6” MRHX 24/30	3586	2245	1341	118	132
6” MRHX 24/31	3653	2312	1341	118	136
6” MRHX 24/32	3720	2379	1341	118	140
6” MRHX 24/33	3787	2446	1341	118	144



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,15

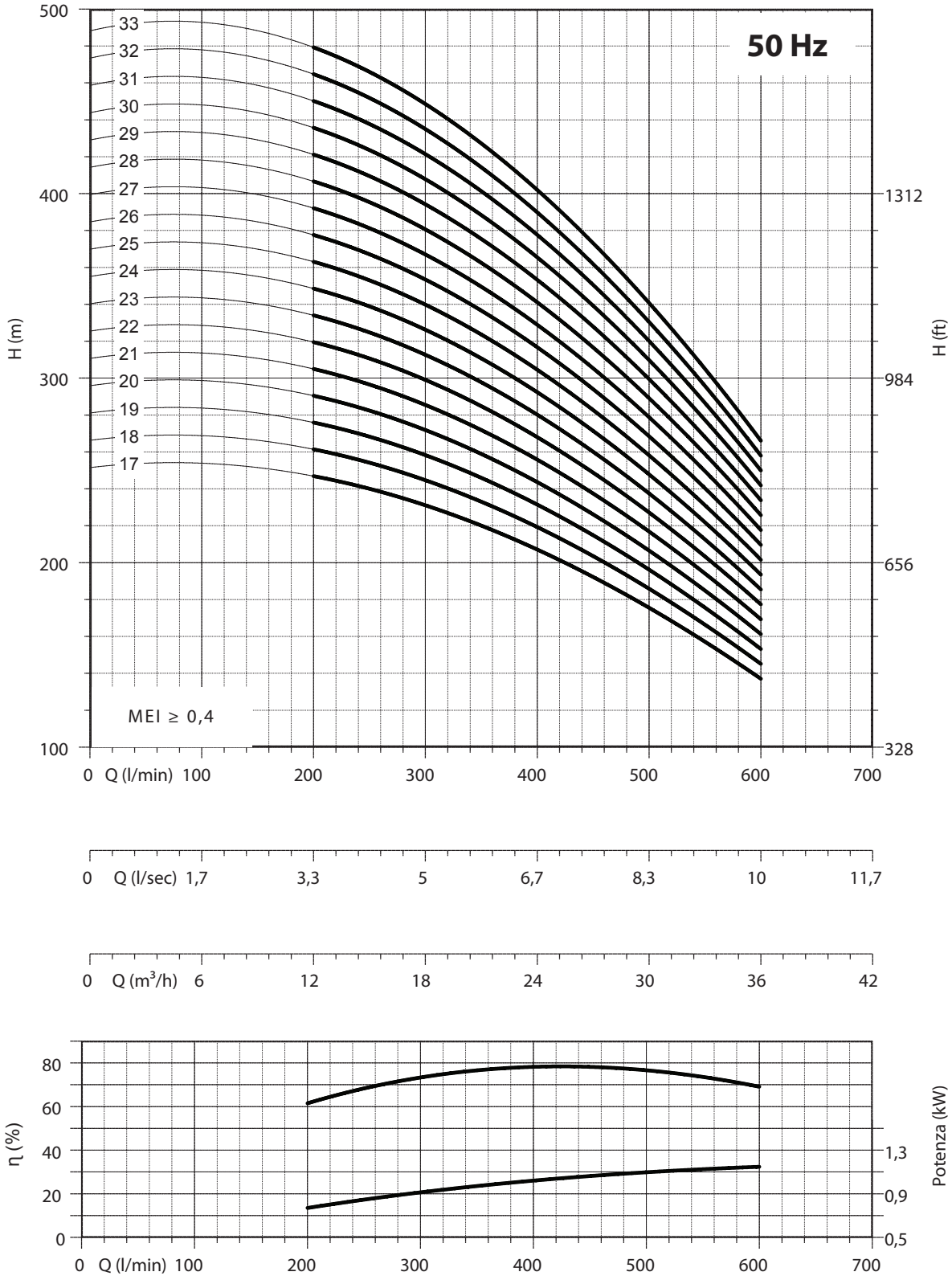
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 24

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 24	3	3	4,5	6,6

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 30

Pompa sommersa radiale inox
Stainless steel radial submersible pump

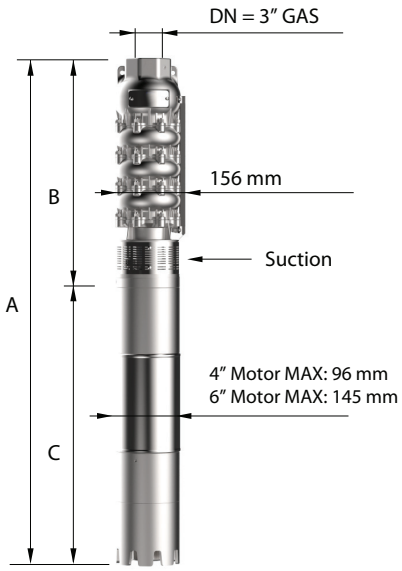
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	250	300	350	400	450	500	550	600	650	700
			l/sec	0	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7
			m³/h	0	15	18	21	24	27	30	33	36	39	42
6” MRHX 30/01	1,5	2	H(m)	15	15	15	14	14	13	12	11	10	9	8
6” MRHX 30/02	3	4		31	30	29	28	27	26	24	22	20	18	15
6” MRHX 30/03	4	5,5		46	45	44	42	41	38	36	33	30	26	23
6” MRHX 30/04	5,5	7,5		61	60	59	56	54	51	48	44	40	35	30
6” MRHX 30/05	7,5	10		77	76	74	71	68	64	60	56	50	44	38
6” MRHX 30/06	9,2	12,5		92	91	88	85	81	77	72	67	60	53	45
6” MRHX 30/07	9,2	12,5		107	106	103	99	95	90	84	78	70	62	53
6” MRHX 30/08	11	15		122	121	118	113	108	102	96	89	80	70	60
6” MRHX 30/09	13	17,5		138	136	132	127	122	115	108	100	90	79	68
6” MRHX 30/10	15	20		153	151	147	141	135	128	120	111	100	88	75
6” MRHX 30/11	15	20		168	166	162	155	149	141	132	122	110	97	83
6” MRHX 30/12	18,5	25		184	181	176	169	162	154	144	133	120	106	90
6” MRHX 30/13	18,5	25		199	196	191	183	176	166	156	144	130	114	98
6” MRHX 30/14	18,5	25		214	211	206	197	189	179	168	155	140	123	105

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRHX 30/01	694	302	392	13	11
6” MRHX 30/02	926	369	557	19	15
6” MRHX 30/03	1033	436	597	22	20
6” MRHX 30/04	1201	503	698	27	24
6” MRHX 30/05	1271	570	701	55	28
6” MRHX 30/06	1388	637	751	60	32
6” MRHX 30/07	1455	704	751	60	36
6” MRHX 30/08	1582	771	811	65	40
6” MRHX 30/09	1679	838	841	70	44
6” MRHX 30/10	1836	905	931	75	49
6” MRHX 30/11	1903	972	931	75	53
6” MRHX 30/12	2030	1039	991	83	57
6” MRHX 30/13	2097	1106	991	83	61
6” MRHX 30/14	2164	1173	991	83	65



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

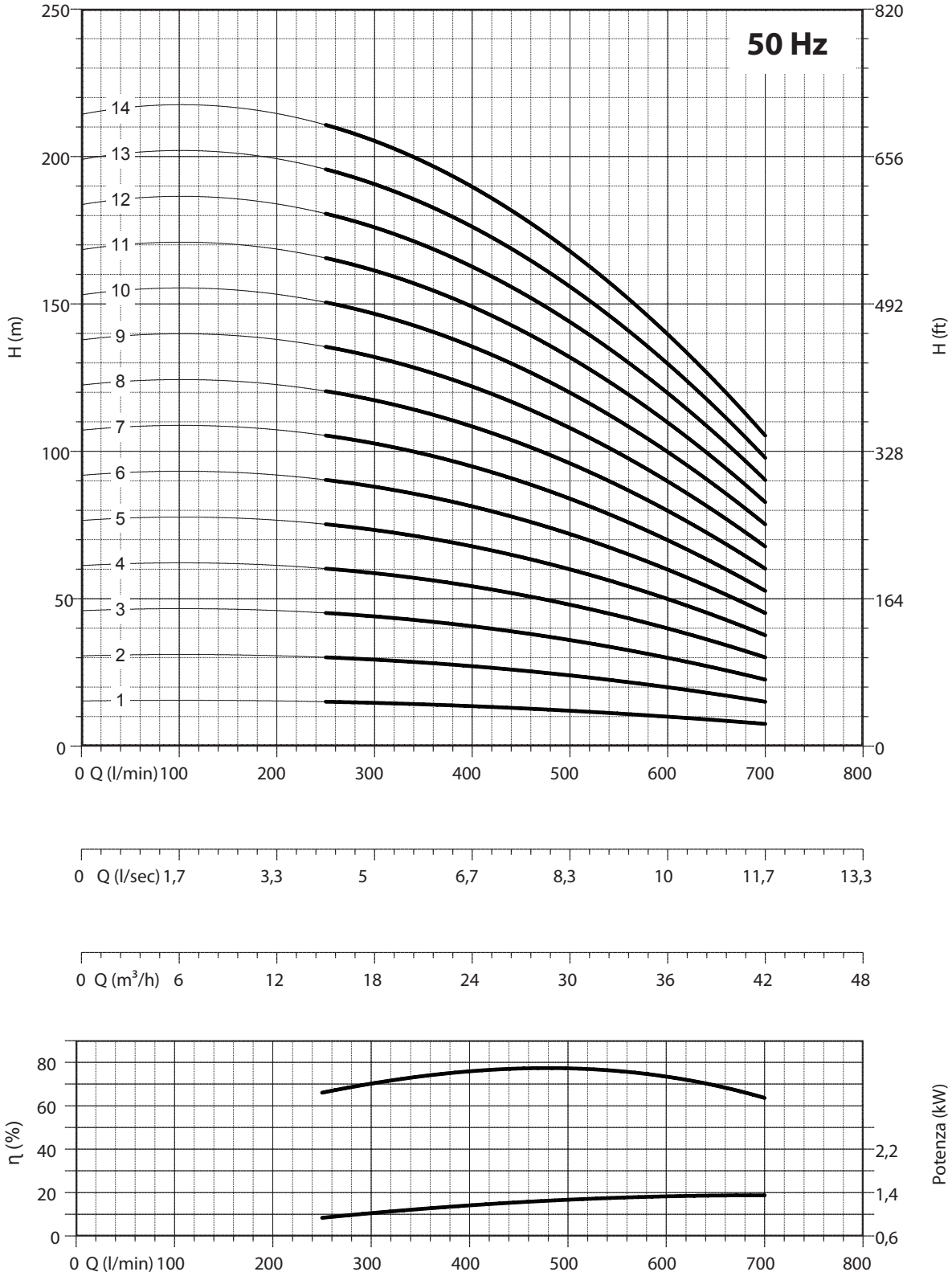
Max 1,35

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

6” MRHX 30

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 30	3,4	3,4	3,9	7,5

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 30

Pompa sommersa radiale inox
Stainless steel radial submersible pump

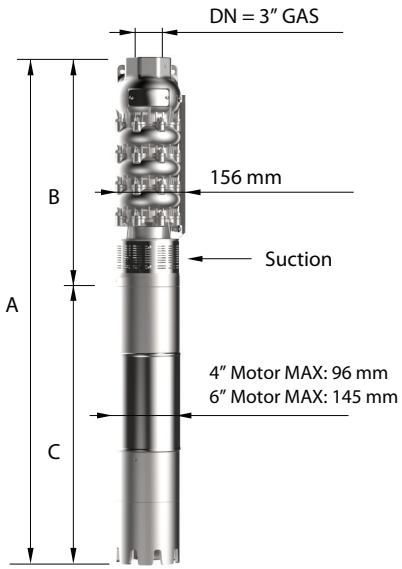
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP												
			l/min	0	250	300	350	400	450	500	550	600	650	700
			l/sec	0	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7
			m³/h	0	15	18	21	24	27	30	33	36	39	42
6” MRHX 30/15	22	30	H(m)	230	227	221	212	203	192	180	167	150	132	113
6” MRHX 30/16	22	30		245	242	235	226	216	205	192	178	160	141	120
6” MRHX 30/17	26	35		260	257	250	240	230	218	204	189	170	150	128
6” MRHX 30/18	26	35		275	272	265	254	243	230	216	200	180	158	135
6” MRHX 30/19	26	35		291	287	279	268	257	243	228	211	190	167	143
6” MRHX 30/20	30	40		306	302	294	282	270	256	240	222	200	176	150
6” MRHX 30/21	30	40		321	317	309	296	284	269	252	233	210	185	158
6” MRHX 30/22	30	40		337	332	323	310	297	282	264	244	220	194	165
6” MRHX 30/23	37	50		352	347	338	324	311	294	276	255	230	202	173
6” MRHX 30/24	37	50		367	362	353	338	324	307	288	266	240	211	180
6” MRHX 30/25	37	50		383	378	368	353	338	320	300	278	250	220	188
6” MRHX 30/26	37	50		398	393	382	367	351	333	312	289	260	229	195
6” MRHX 30/27	37	50		413	408	397	381	365	346	324	300	270	238	203
6” MRHX 30/28	37	50		428	423	412	395	378	358	336	311	280	246	210

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MRHX 30/15	2311	1240	1071	92	69
6” MRHX 30/16	2378	1307	1071	92	74
6” MRHX 30/17	2555	1374	1181	100	78
6” MRHX 30/18	2622	1441	1181	100	82
6” MRHX 30/19	2689	1508	1181	100	86
6” MRHX 30/20	2826	1575	1251	108	90
6” MRHX 30/21	2893	1642	1251	108	94
6” MRHX 30/22	2960	1709	1251	108	98
6” MRHX 30/23	3117	1776	1341	118	103
6” MRHX 30/24	3184	1843	1341	118	107
6” MRHX 30/25	3251	1910	1341	118	111
6” MRHX 30/26	3318	1977	1341	118	115
6” MRHX 30/27	3385	2044	1341	118	119
6” MRHX 30/28	3452	2111	1341	118	123



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,35

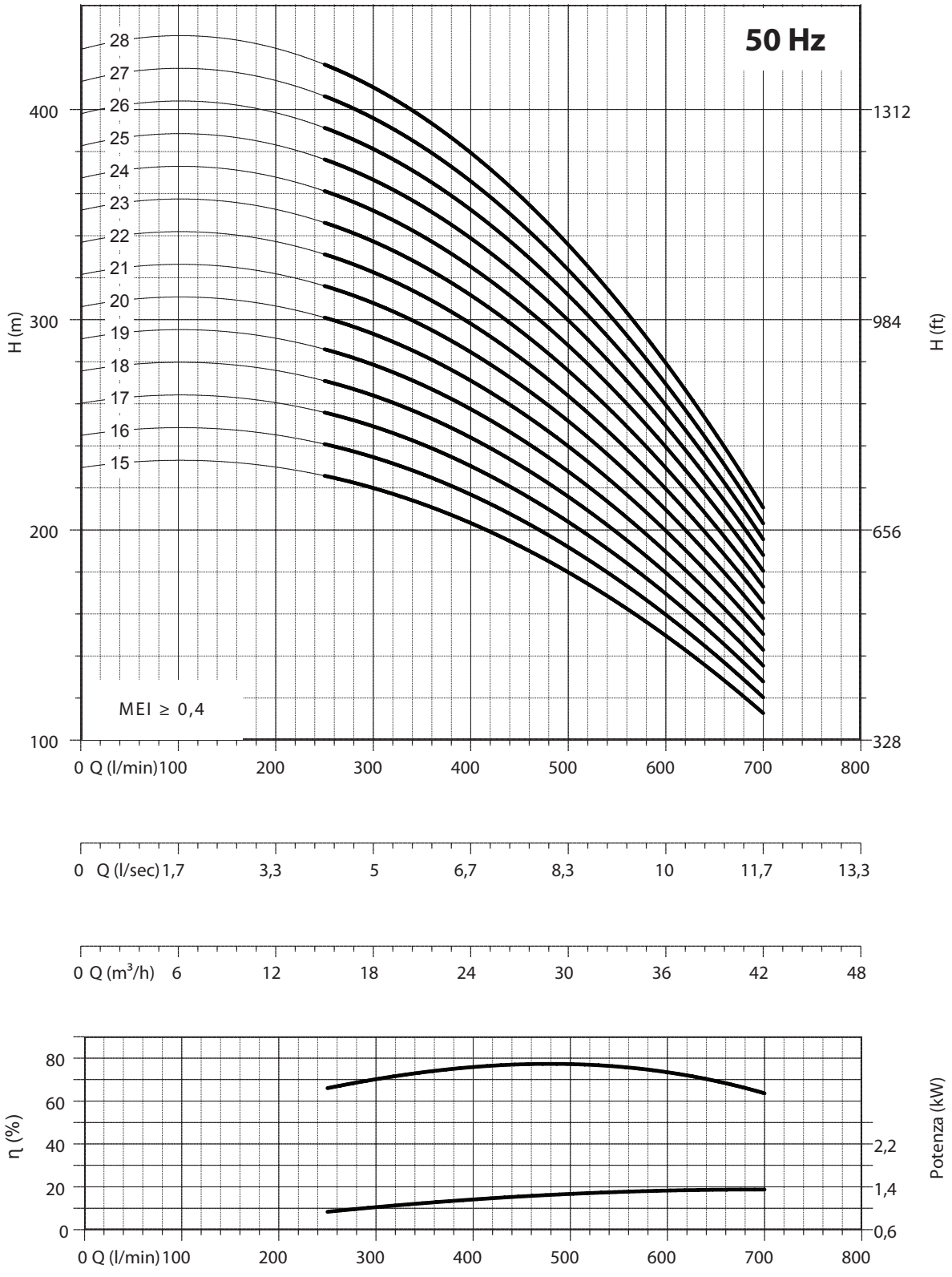
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MRHX 30

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
6” MRHX 30	3,4	3,4	3,9	7,5

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 32

Pompa sommersa radiale inox
Stainless steel radial submersible pump

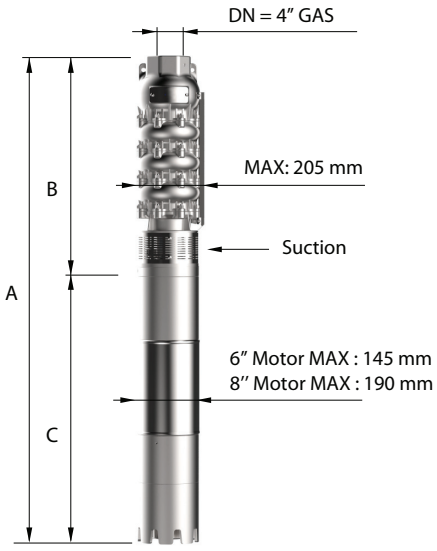
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	200	300	400	500	600	700
			l/sec	0,0	3,3	5,0	6,7	8,3	10,0	11,7
			m³/h	0	12	18	24	30	36	42
8” MRHX 32/01	3	4	H(m)	23	22	21	20	19	17	14
8” MRHX 32/02	5,5	7,5		46	44	42	40	37	33	27
8” MRHX 32/03	7,5	10		69	66	63	59	56	50	41
8” MRHX 32/04	11	15		92	88	84	79	74	66	54
8” MRHX 32/05	13	17,5		115	110	105	99	93	83	68
8” MRHX 32/06	15	20		138	132	126	119	111	100	82
8” MRHX 32/07	18,5	25		161	154	147	139	130	116	95
8” MRHX 32/08	22	30		184	176	168	158	148	133	109
8” MRHX 32/09	22	30		207	198	189	178	167	149	122
8” MRHX 32/10	26	35		230	220	210	198	185	166	136
8” MRHX 32/11	26	35		253	242	231	218	204	183	150
8” MRHX 32/12	30	40		276	264	252	238	222	199	163
8” MRHX 32/13	37	50		299	286	273	257	241	216	177
8” MRHX 32/14	37	50		322	308	294	277	259	232	190
8” MRHX 32/15	37	50		345	330	315	297	278	249	204
8” MRHX 32/16	44	60		368	352	336	317	296	266	218

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MRHX 32/01	1017	460	557	19	21
8” MRHX 32/02	1238	540	698	27	27
8” MRHX 32/03	1321	620	701	55	33
8” MRHX 32/04	1511	700	811	65	40
8” MRHX 32/05	1621	780	841	70	46
8” MRHX 32/06	1791	860	931	75	52
8” MRHX 32/07	1931	940	991	83	58
8” MRHX 32/08	2091	1020	1071	92	64
8” MRHX 32/09	2171	1100	1071	92	70
8” MRHX 32/10	2361	1180	1181	100	77
8” MRHX 32/11	2441	1260	1181	100	83
8” MRHX 32/12	2591	1340	1251	108	89
8” MRHX 32/13	2761	1420	1341	118	95
8” MRHX 32/14	2841	1500	1341	118	101
8” MRHX 32/15	2921	1580	1341	118	107
8” MRHX 32/16	2783	1660	1123	178	113



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 71 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 2,4

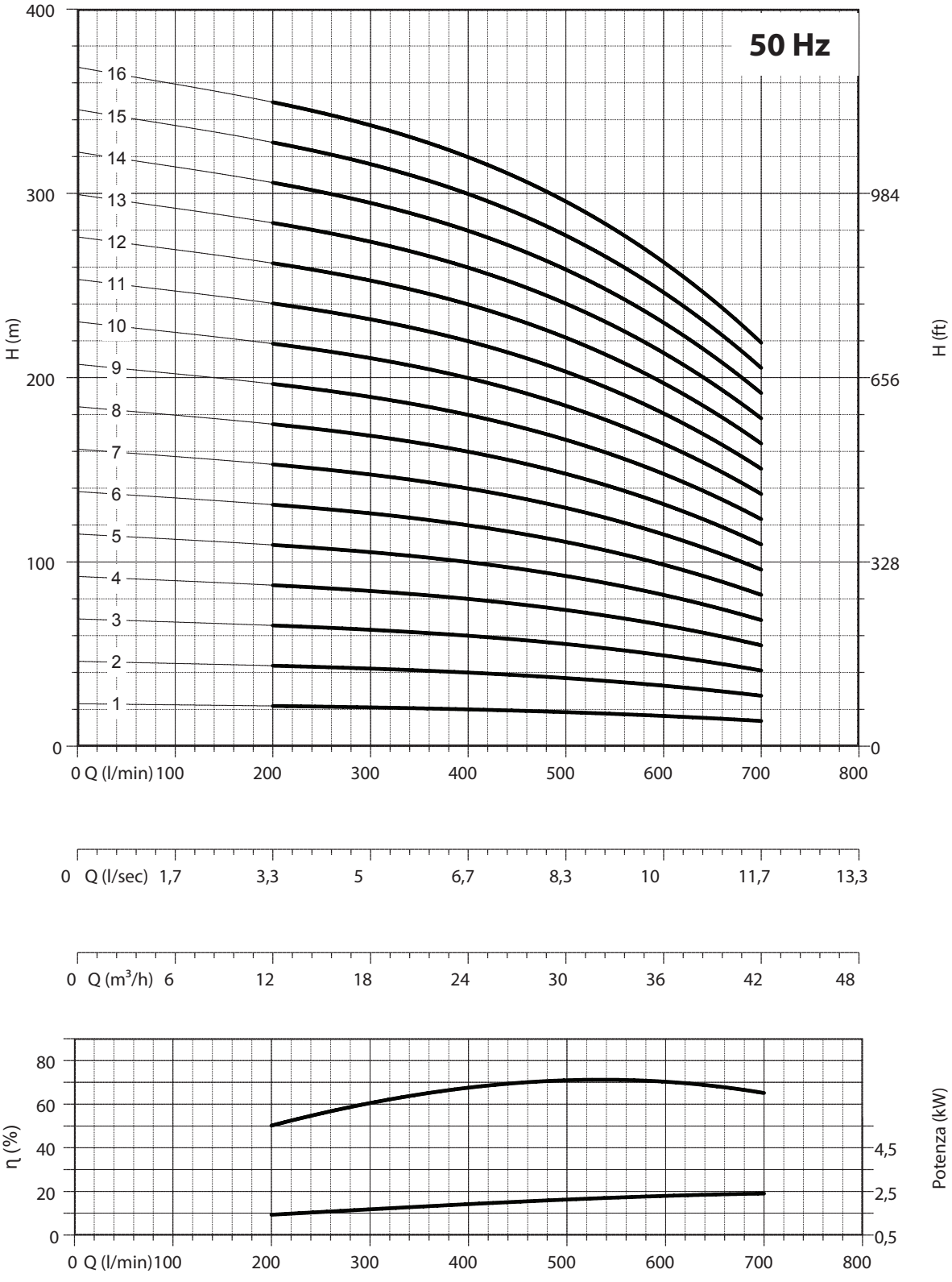
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 32

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 32	3,3	3,3	4,5	6,7

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 32

Pompa sommersa radiale inox
Stainless steel radial submersible pump

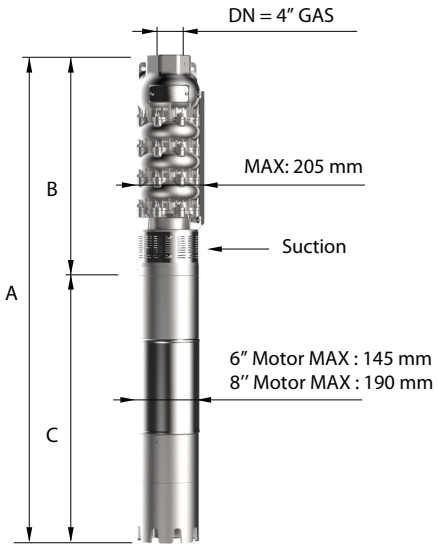
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	200	300	400	500	600	700
			l/sec	0,0	3,3	5,0	6,7	8,3	10,0	11,7
			m³/h	0	12	18	24	30	36	42
8” MRHX 32/17	44	60	H(m)	391	374	357	337	315	282	231
8” MRHX 32/18	44	60		414	396	378	356	333	299	245
8” MRHX 32/19	55	75		437	418	399	376	352	315	258
8” MRHX 32/20	55	75		460	440	420	396	370	332	272
8” MRHX 32/21	55	75		483	462	441	416	389	349	286
8” MRHX 32/22	55	75		506	484	462	436	407	365	299
8” MRHX 32/23	55	75		529	506	483	455	426	382	313
8” MRHX 32/24	66	90		552	528	504	475	444	398	326
8” MRHX 32/25	66	90		575	550	525	495	463	415	340
8” MRHX 32/26	66	90		598	572	546	515	481	432	354
8” MRHX 32/27	66	90		621	594	567	535	500	448	367
8” MRHX 32/28	66	90		644	616	588	554	518	465	381
8” MRHX 32/29	75	100		667	638	609	574	537	481	394
8” MRHX 32/30	75	100		690	660	630	594	555	498	408
8” MRHX 32/31	75	100		713	682	651	614	574	515	422

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 32/17	2863	1740	1123	178	120
8” MRHX 32/18	2943	1820	1123	178	126
8” MRHX 32/19	3133	1900	1233	200	132
8” MRHX 32/20	3213	1980	1233	200	138
8” MRHX 32/21	3293	2060	1233	200	144
8” MRHX 32/22	3373	2140	1233	200	150
8” MRHX 32/23	3453	2220	1233	200	156
8” MRHX 32/24	3603	2300	1303	214	163
8” MRHX 32/25	3683	2380	1303	214	169
8” MRHX 32/26	3763	2460	1303	214	175
8” MRHX 32/27	3843	2540	1303	214	181
8” MRHX 32/28	3923	2620	1303	214	187
8” MRHX 32/29	4083	2700	1383	230	193
8” MRHX 32/30	4163	2780	1383	230	200
8” MRHX 32/31	4243	2860	1383	230	206



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 71 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 2,4

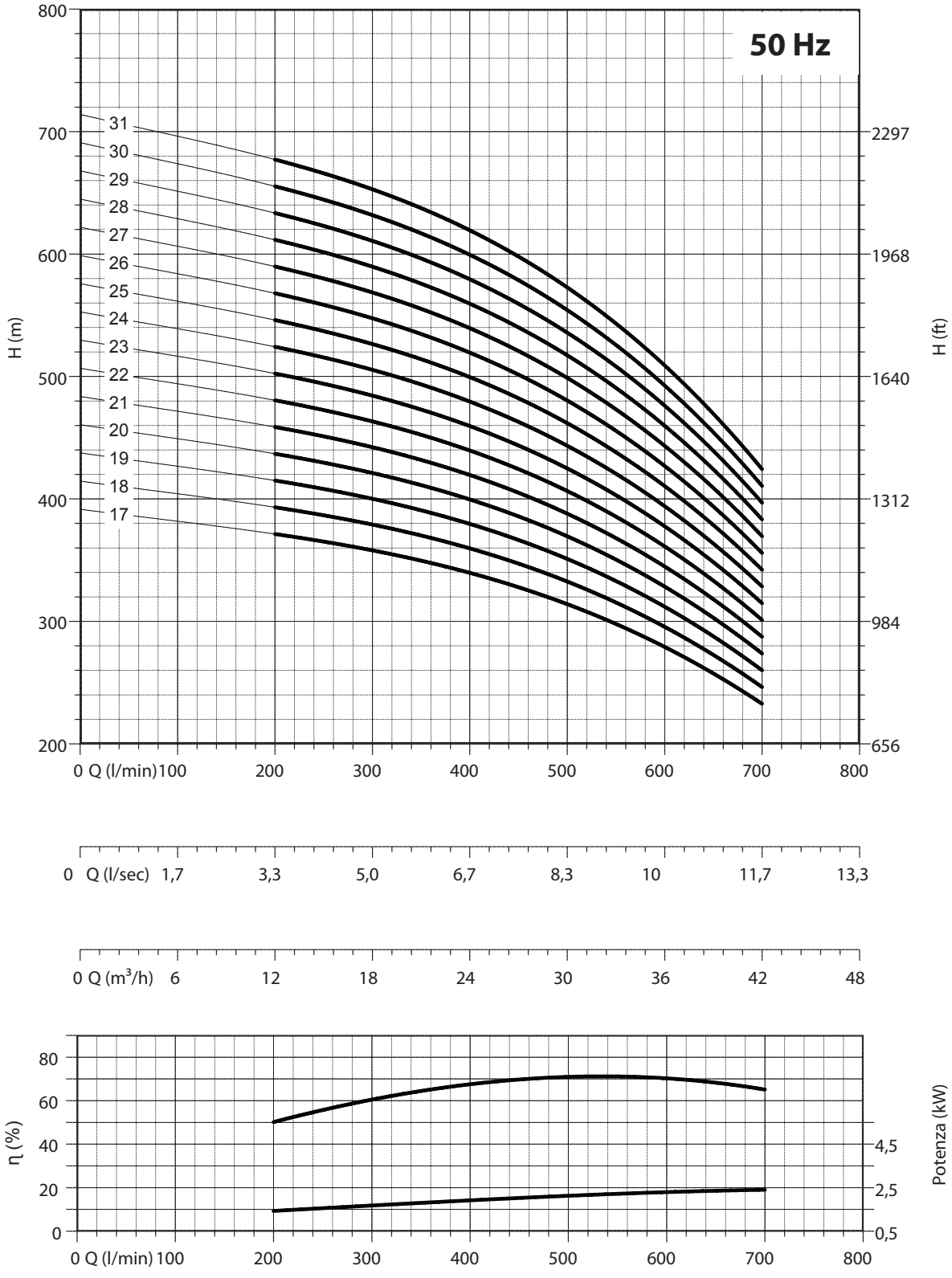
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 32

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 32	3,3	3,3	4,5	6,7

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 40

Pompa sommersa radiale inox
Stainless steel radial submersible pump

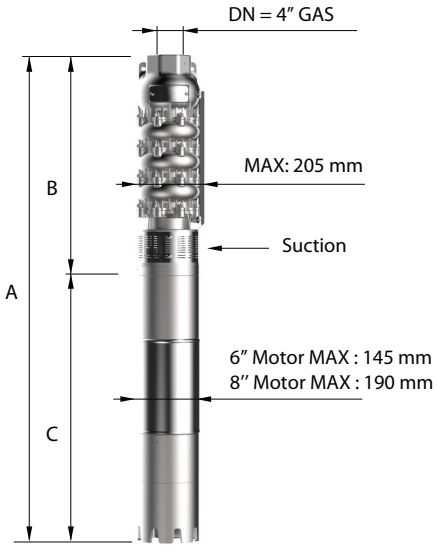
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	300	400	500	600	700	800	900
			l/sec	0,0	5,0	6,7	8,3	10,0	11,7	13,3	15,0
			m³/h	0	18	24	30	36	42	48	54
8” MRHX 40/01	3	4	H(m)	23	22	21	20	18	16	14	12
8” MRHX 40/02	5,5	7,5		46	44	43	40	37	33	28	23
8” MRHX 40/03	9,2	12,5		70	66	64	60	55	49	42	35
8” MRHX 40/04	11	15		93	88	86	80	74	66	56	46
8” MRHX 40/05	15	20		116	110	107	100	92	82	70	58
8” MRHX 40/06	18,5	25		139	132	128	120	110	98	84	70
8” MRHX 40/07	22	30		162	154	150	140	129	115	98	81
8” MRHX 40/08	22	30		186	176	171	160	147	131	112	93
8” MRHX 40/09	26	35		209	198	193	180	166	148	126	104
8” MRHX 40/10	30	40		232	220	214	200	184	164	140	116
8” MRHX 40/11	37	50		255	242	235	220	202	180	154	128
8” MRHX 40/12	37	50		278	264	257	240	221	197	168	139
8” MRHX 40/13	37	50		302	286	278	260	239	213	182	151
8” MRHX 40/14	44	60		325	308	300	280	258	230	196	162
8” MRHX 40/15	44	60		348	330	321	300	276	246	210	174
8” MRHX 40/16	44	60		371	352	342	320	294	262	224	186

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 40/01	1017	460	557	19	21
8” MRHX 40/02	1238	540	698	27	27
8” MRHX 40/03	1371	620	751	60	33
8” MRHX 40/04	1511	700	811	65	40
8” MRHX 40/05	1711	780	931	75	46
8” MRHX 40/06	1851	860	991	83	52
8” MRHX 40/07	2011	940	1071	92	58
8” MRHX 40/08	2091	1020	1071	92	64
8” MRHX 40/09	2281	1100	1181	100	70
8” MRHX 40/10	2431	1180	1251	108	77
8” MRHX 40/11	2601	1260	1341	118	83
8” MRHX 40/12	2681	1340	1341	118	89
8” MRHX 40/13	2761	1420	1341	118	95
8” MRHX 40/14	2623	1500	1123	178	101
8” MRHX 40/15	2703	1580	1123	178	107
8” MRHX 40/16	2783	1660	1123	178	113



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 2,8

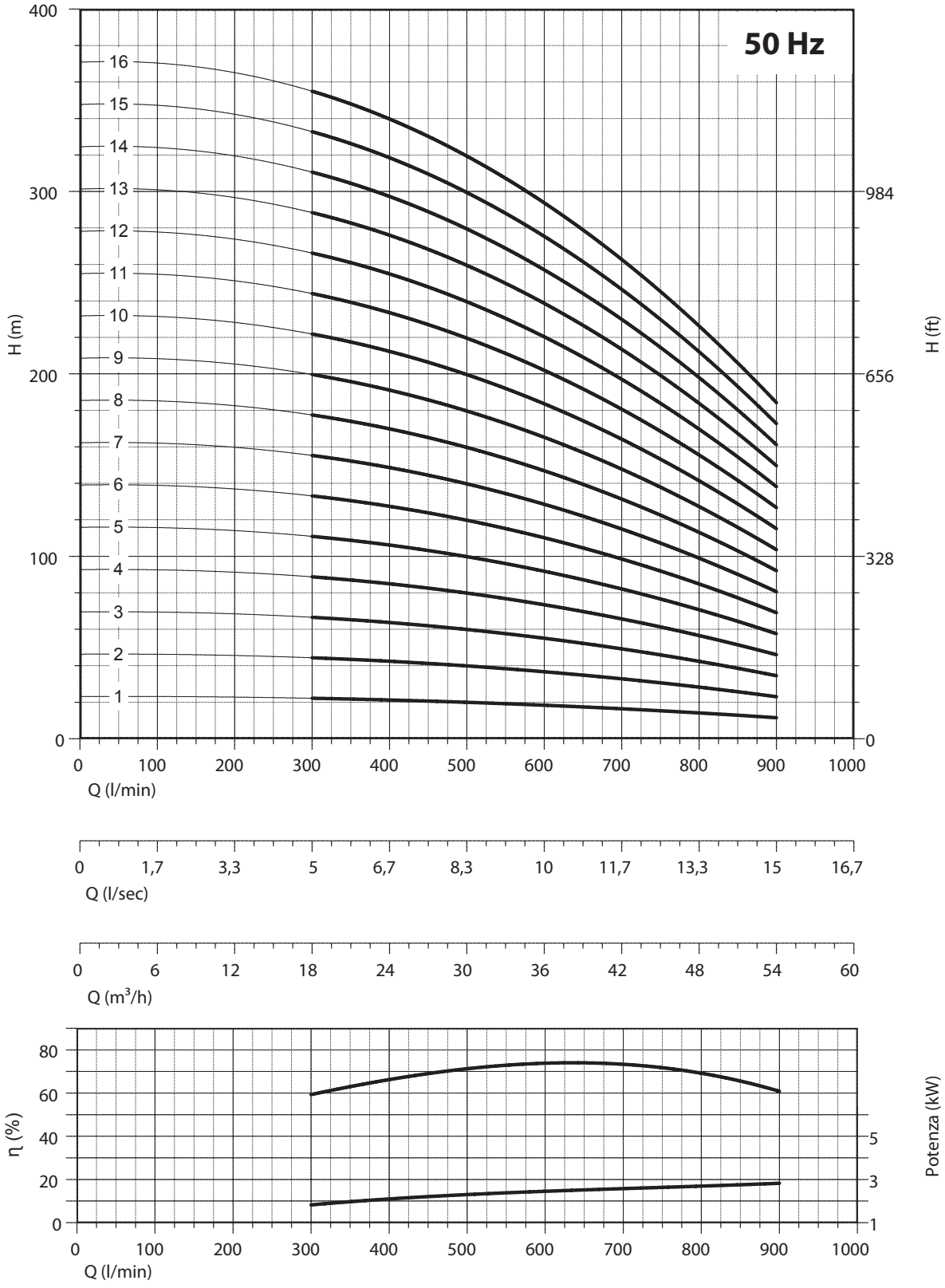
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 40

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 40	3,4	3,4	4,8	8

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 40

Pompa sommersa radiale inox
Stainless steel radial submersible pump

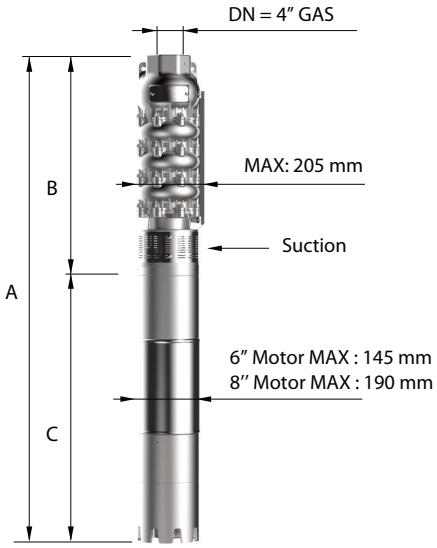
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	300	400	500	600	700	800	900
				l/sec	0	5	6,7	8,3	10	11,7	13,3	15
				m³/h	0	18	24	30	36	42	48	54
8” MRHX 40/17	55	75			394	374	364	340	313	279	238	197
8” MRHX 40/18	55	75			418	396	385	360	331	295	252	209
8” MRHX 40/19	55	75			441	418	407	380	350	312	266	220
8” MRHX 40/20	66	90			464	440	428	400	368	328	280	232
8” MRHX 40/21	66	90			487	462	449	420	386	344	294	244
8” MRHX 40/22	66	90			510	484	471	440	405	361	308	255
8” MRHX 40/23	66	90			534	506	492	460	423	377	322	267
8” MRHX 40/24	75	100		H(m)	557	528	514	480	442	394	336	278
8” MRHX 40/25	75	100			580	550	535	500	460	410	350	290
8” MRHX 40/26	75	100			603	572	556	520	478	426	364	302
8” MRHX 40/27	92	125			626	594	578	540	497	443	378	313
8” MRHX 40/28	92	125			650	616	599	560	515	459	392	325
8” MRHX 40/29	92	125			673	638	621	580	534	476	406	336
8” MRHX 40/30	92	125			696	660	642	600	552	492	420	348
8” MRHX 40/31	92	125			719	682	663	620	570	508	434	360

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 40/17	2973	1740	1233	200	120
8” MRHX 40/18	3053	1820	1233	200	126
8” MRHX 40/19	3133	1900	1233	200	132
8” MRHX 40/20	3283	1980	1303	214	138
8” MRHX 40/21	3363	2060	1303	214	144
8” MRHX 40/22	3443	2140	1303	214	150
8” MRHX 40/23	3523	2220	1303	214	156
8” MRHX 40/24	3683	2300	1383	230	163
8” MRHX 40/25	3763	2380	1383	230	169
8” MRHX 40/26	3843	2460	1383	230	175
8” MRHX 40/27	4123	2540	1583	270	181
8” MRHX 40/28	4203	2620	1583	270	187
8” MRHX 40/29	4283	2700	1583	270	193
8” MRHX 40/30	4363	2780	1583	270	200
8” MRHX 40/31	4443	2860	1583	270	206



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 2,8

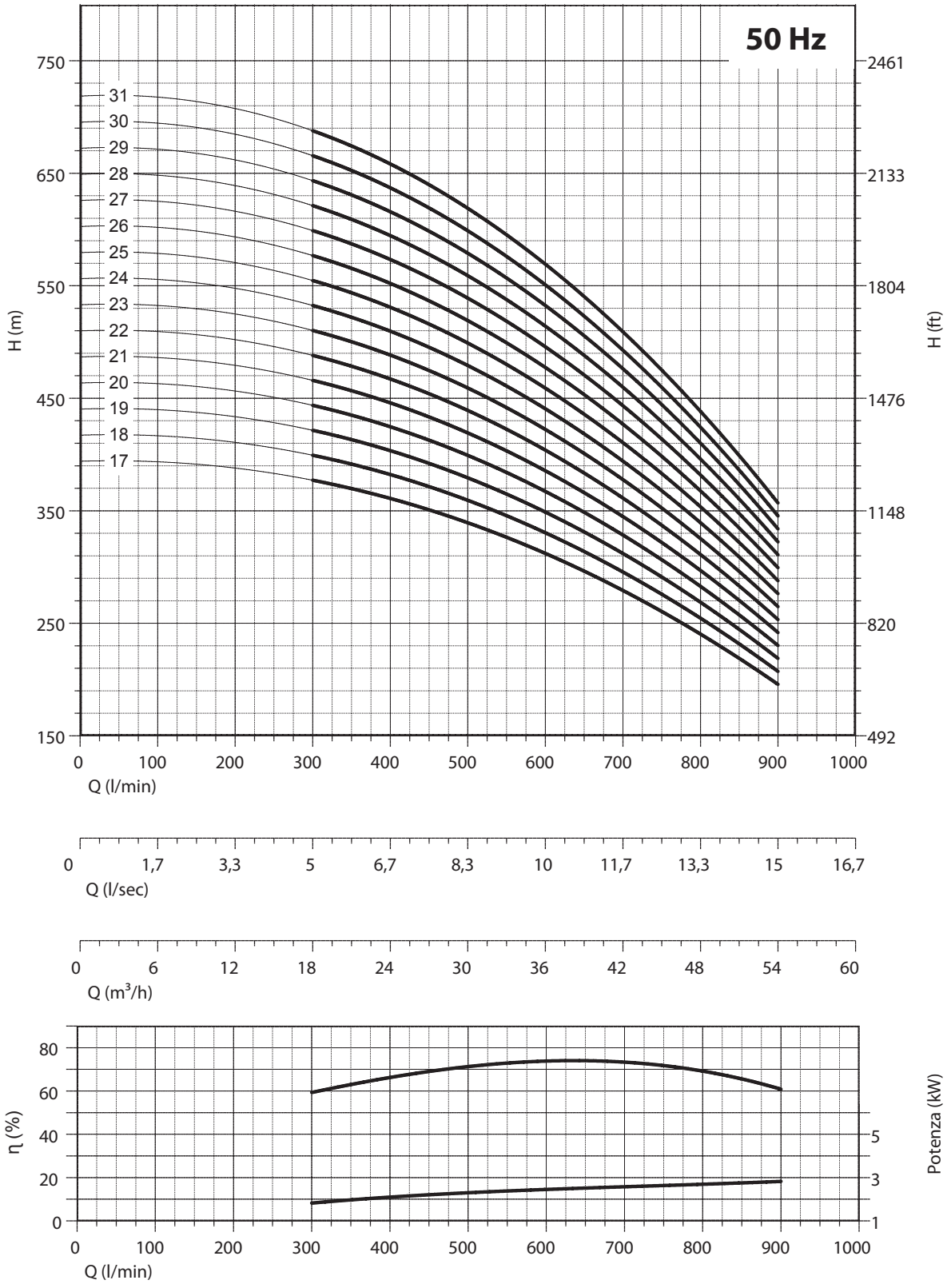
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 40

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 40	3,4	3,4	4,8	8

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 50

Pompa sommersa radiale inox
Stainless steel radial submersible pump

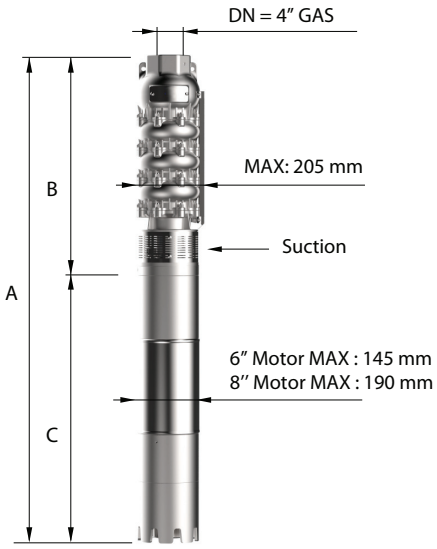
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	500	600	700	800	900	1000	1100
			l/sec	0	8,3	10	11,7	13,3	15,0	16,7	18,3
			m³/h	0	30	36	42	48	54	60	66
8” MRHX 50/01	4	5,5	H(m)	24	21	21	19	18	17	15	13
8” MRHX 50/02	7,5	10		48	43	41	39	36	33	30	25
8” MRHX 50/03	11	15		72	64	62	58	55	50	44	38
8” MRHX 50/04	15	20		96	86	82	78	73	66	59	50
8” MRHX 50/05	18,5	25		120	107	103	97	91	83	74	63
8” MRHX 50/06	22	30		144	128	124	116	109	100	89	76
8” MRHX 50/07	26	35		168	150	144	136	127	116	104	88
8” MRHX 50/08	30	40		192	171	165	155	146	133	118	101
8” MRHX 50/09	37	50		216	193	185	175	164	149	133	113
8” MRHX 50/10	37	50		240	214	206	194	182	166	148	126
8” MRHX 50/11	44	60		264	235	227	213	200	183	163	139
8” MRHX 50/12	44	60		288	257	247	233	218	199	178	151
8” MRHX 50/13	55	75		312	278	268	252	237	216	192	164

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 50/01	1065	468	597	22	22
8” MRHX 50/02	1257	556	701	55	29
8” MRHX 50/03	1455	644	811	65	36
8” MRHX 50/04	1663	732	931	75	44
8” MRHX 50/05	1811	820	991	83	51
8” MRHX 50/06	1979	908	1071	92	58
8” MRHX 50/07	2177	996	1181	100	65
8” MRHX 50/08	2335	1084	1251	108	72
8” MRHX 50/09	2513	1172	1341	118	79
8” MRHX 50/10	2601	1260	1341	118	87
8” MRHX 50/11	2471	1348	1123	178	94
8” MRHX 50/12	2559	1436	1123	178	101
8” MRHX 50/13	2757	1524	1233	200	108



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 73 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

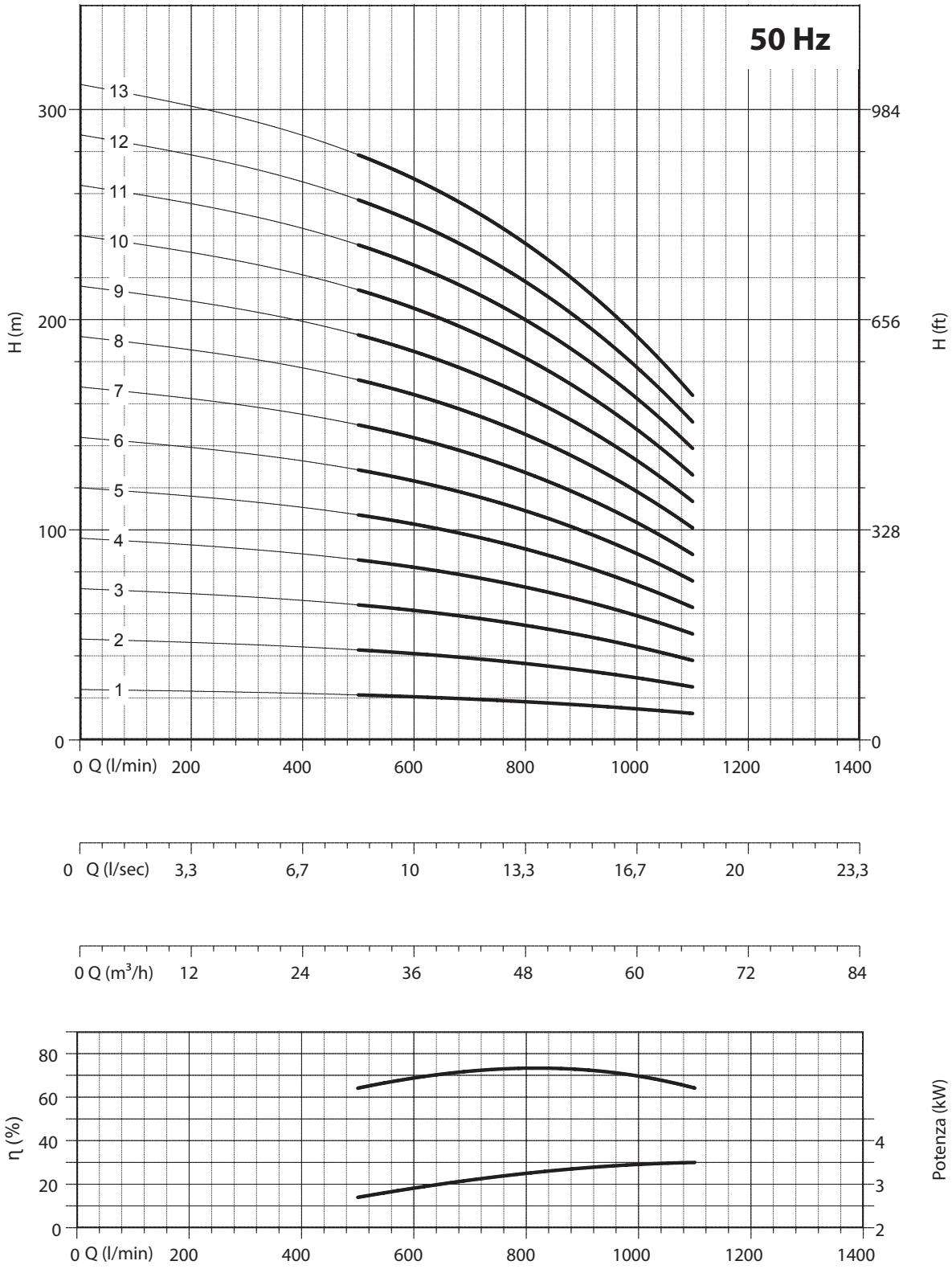
Max 3,5

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

www.metropumps-italy.com

8” MRHX 50

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 50	3,5	3,5	6	8

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 50

Pompa sommersa radiale inox
Stainless steel radial submersible pump

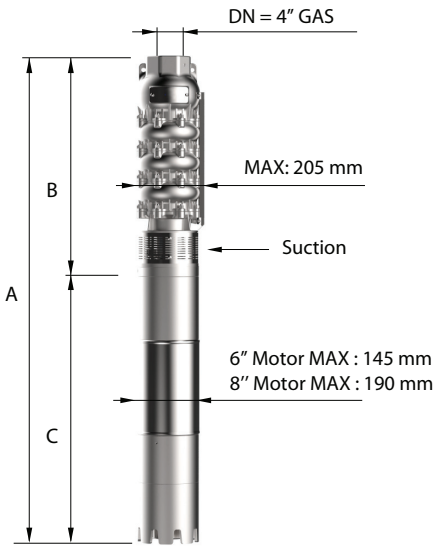
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	500	600	700	800	900	1000	1100
			l/sec	0	8,3	10	11,7	13,3	15	16,7	18,3
			m³/h	0	30	36	42	48	54	60	66
8” MRHX 50/14	55	75	H(m)	336	300	288	272	255	232	207	176
8” MRHX 50/15	55	75		360	321	309	291	273	249	222	189
8” MRHX 50/16	55	75		384	342	330	310	291	266	237	202
8” MRHX 50/17	66	90		408	364	350	330	309	282	252	214
8” MRHX 50/18	66	90		432	385	371	349	328	299	266	227
8” MRHX 50/19	66	90		456	407	391	369	346	315	281	239
8” MRHX 50/20	75	100		480	428	412	388	364	332	296	252
8” MRHX 50/21	75	100		504	449	433	407	382	349	311	265
8” MRHX 50/22	92	125		528	471	453	427	400	365	326	277
8” MRHX 50/23	92	125		552	492	474	446	419	382	340	290
8” MRHX 50/24	92	125		576	514	494	466	437	398	355	302
8” MRHX 50/25	92	125		600	535	515	485	455	415	370	315
8” MRHX 50/26	92	125		624	556	536	504	473	432	385	328

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 50/14	2845	1612	1233	200	115
8” MRHX 50/15	2933	1700	1233	200	122
8” MRHX 50/16	3021	1788	1233	200	129
8” MRHX 50/17	3179	1876	1303	214	137
8” MRHX 50/18	3267	1964	1303	214	144
8” MRHX 50/19	3355	2052	1303	214	151
8” MRHX 50/20	3523	2140	1383	230	158
8” MRHX 50/21	3611	2228	1383	230	165
8” MRHX 50/22	3899	2316	1583	270	172
8” MRHX 50/23	3987	2404	1583	270	179
8” MRHX 50/24	4075	2492	1583	270	187
8” MRHX 50/25	4163	2580	1583	270	194
8” MRHX 50/26	4251	2668	1583	270	201



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 73 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 3,5

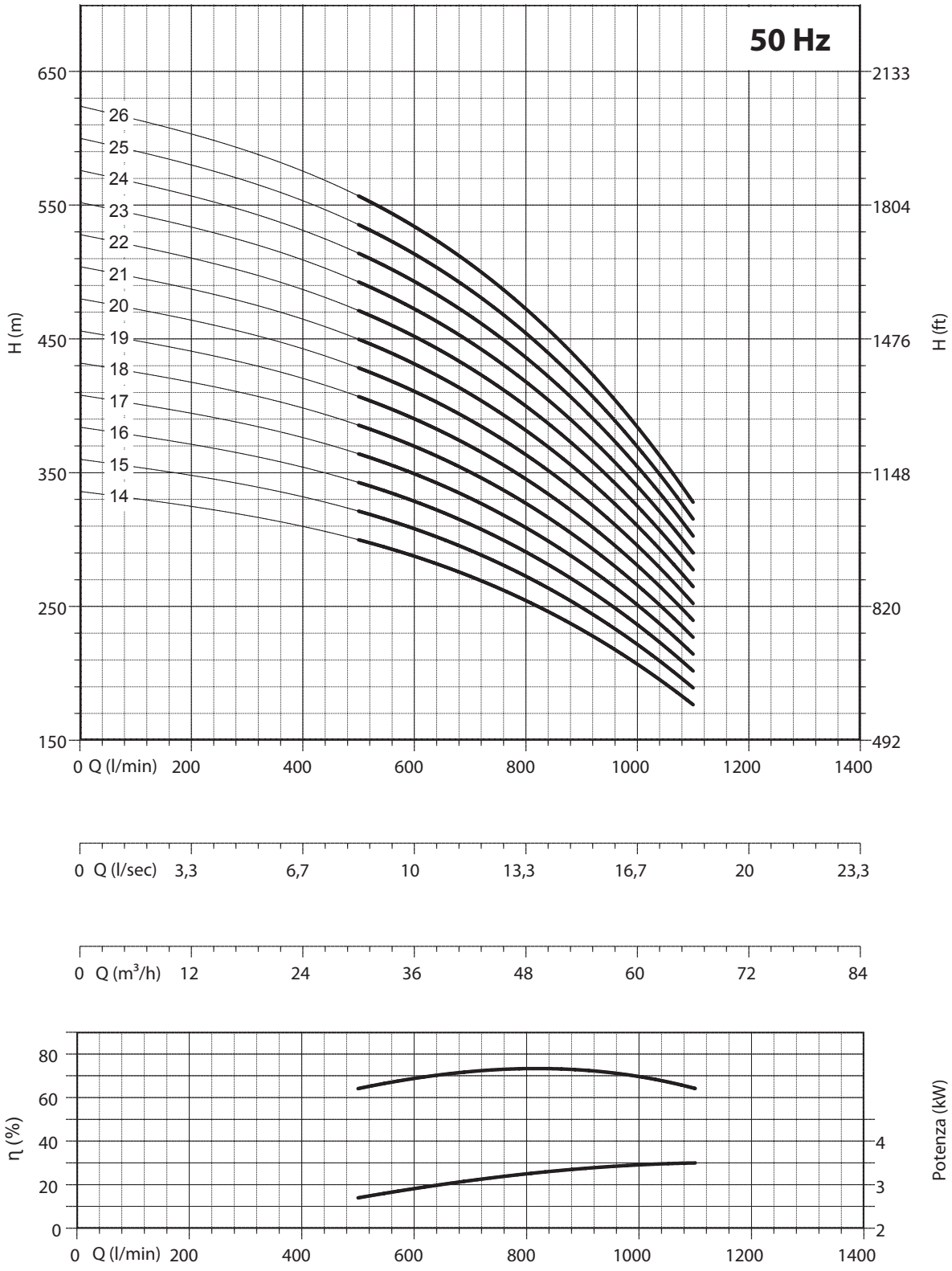
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 50

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 50	3,5	3,5	6	8

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 60

Pompa sommersa radiale inox
Stainless steel radial submersible pump

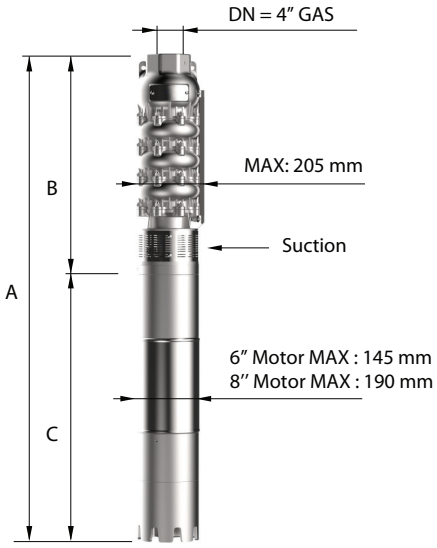
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	600	800	900	1000	1100	1200	1300
			l/sec	0	10	13,3	15	16,7	18,3	20	21,7
			m³/h	0	36	48	54	60	66	72	78
8” MRHX 60/01	4	5,5	H(m)	23	21	19	18	17	15	14	12
8” MRHX 60/02	7,5	10		45	42	38	36	34	30	27	23
8” MRHX 60/03	11	15		68	63	57	54	50	46	41	35
8” MRHX 60/04	15	20		90	84	76	72	67	61	54	46
8” MRHX 60/05	18,5	25		113	105	95	90	84	76	68	58
8” MRHX 60/06	22	30		136	126	114	108	101	91	82	70
8” MRHX 60/07	26	35		158	147	133	126	118	106	95	81
8” MRHX 60/08	30	40		181	168	152	144	134	122	109	93
8” MRHX 60/09	37	50		203	189	171	162	151	137	122	104
8” MRHX 60/10	37	50		226	210	190	180	168	152	136	116
8” MRHX 60/11	44	60		249	231	209	198	185	167	150	128
8” MRHX 60/12	44	60		271	252	228	216	202	182	163	139

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MRHX 60/01	1065	468	597	22	22
8” MRHX 60/02	1257	556	701	55	29
8” MRHX 60/03	1455	644	811	65	36
8” MRHX 60/04	1663	732	931	75	44
8” MRHX 60/05	1811	820	991	83	51
8” MRHX 60/06	1979	908	1071	92	58
8” MRHX 60/07	2177	996	1181	100	65
8” MRHX 60/08	2335	1084	1251	108	72
8” MRHX 60/09	2513	1172	1341	118	79
8” MRHX 60/10	2601	1260	1341	118	87
8” MRHX 60/11	2471	1348	1123	178	94
8” MRHX 60/12	2559	1436	1123	178	101



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 3,8

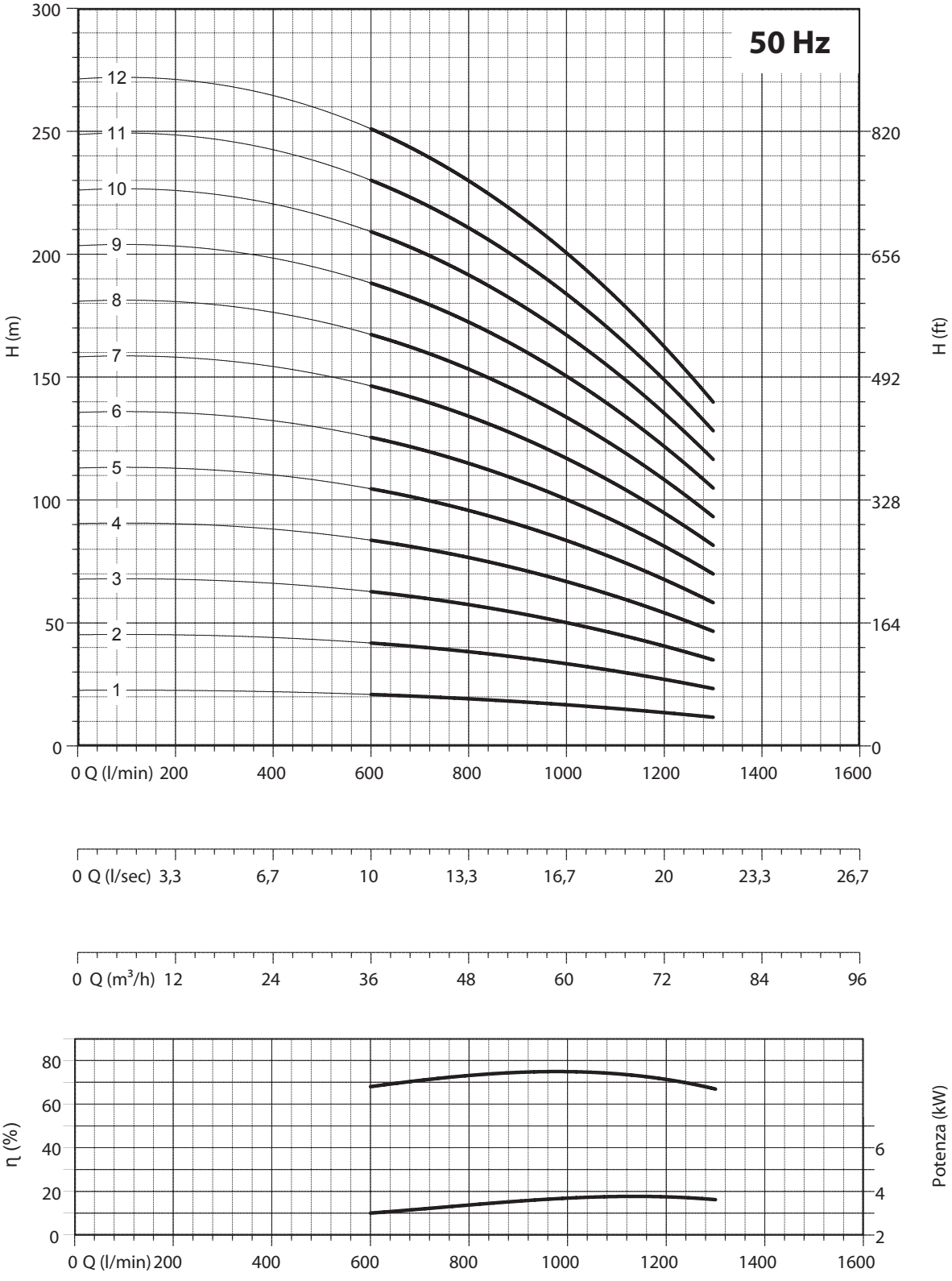
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 60

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 60	3,6	3,6	6	8

metro MADE IN ITALY

www.metropumps-italy.com

8” MRHX 60

Pompa sommersa radiale inox
Stainless steel radial submersible pump

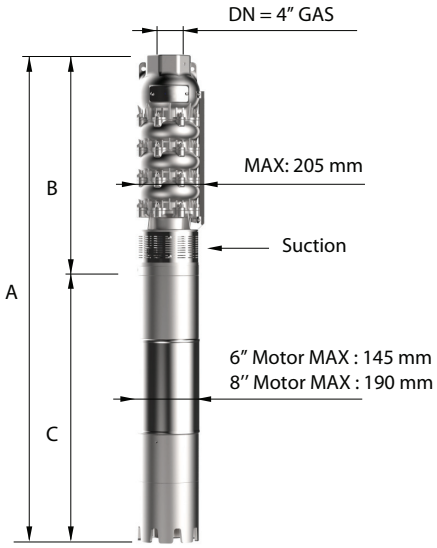
CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	600	800	900	1000	1100	1200	1300
			l/sec	0	10	13,3	15	16,7	18,3	20	21,7
	kW	HP	m³/h	0	36	48	54	60	66	72	78
8” MRHX 60/13	55	75	H(m)	294	273	247	234	218	198	177	151
8” MRHX 60/14	55	75		316	294	266	252	235	213	190	162
8” MRHX 60/15	66	90		339	315	285	270	252	228	204	174
8” MRHX 60/16	66	90		362	336	304	288	269	243	218	186
8” MRHX 60/17	66	90		384	357	323	306	286	258	231	197
8” MRHX 60/18	75	100		407	378	342	324	302	274	245	209
8” MRHX 60/19	75	100		429	399	361	342	319	289	258	220
8” MRHX 60/20	75	100		452	420	380	360	336	304	272	232
8” MRHX 60/21	92	125		475	441	399	378	353	319	286	244
8” MRHX 60/22	92	125		497	462	418	396	370	334	299	255
8” MRHX 60/23	92	125		520	483	437	414	386	350	313	267
8” MRHX 60/24	92	125		542	504	456	432	403	365	326	278

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MRHX 60/13	2757	1524	1233	200	108
8” MRHX 60/14	2845	1612	1233	200	115
8” MRHX 60/15	3003	1700	1303	214	122
8” MRHX 60/16	3091	1788	1303	214	129
8” MRHX 60/17	3179	1876	1303	214	137
8” MRHX 60/18	3347	1964	1383	230	144
8” MRHX 60/19	3435	2052	1383	230	151
8” MRHX 60/20	3523	2140	1383	230	158
8” MRHX 60/21	3811	2228	1583	270	165
8” MRHX 60/22	3899	2316	1583	270	172
8” MRHX 60/23	3987	2404	1583	270	179
8” MRHX 60/24	4075	2492	1583	270	187



n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 3,8

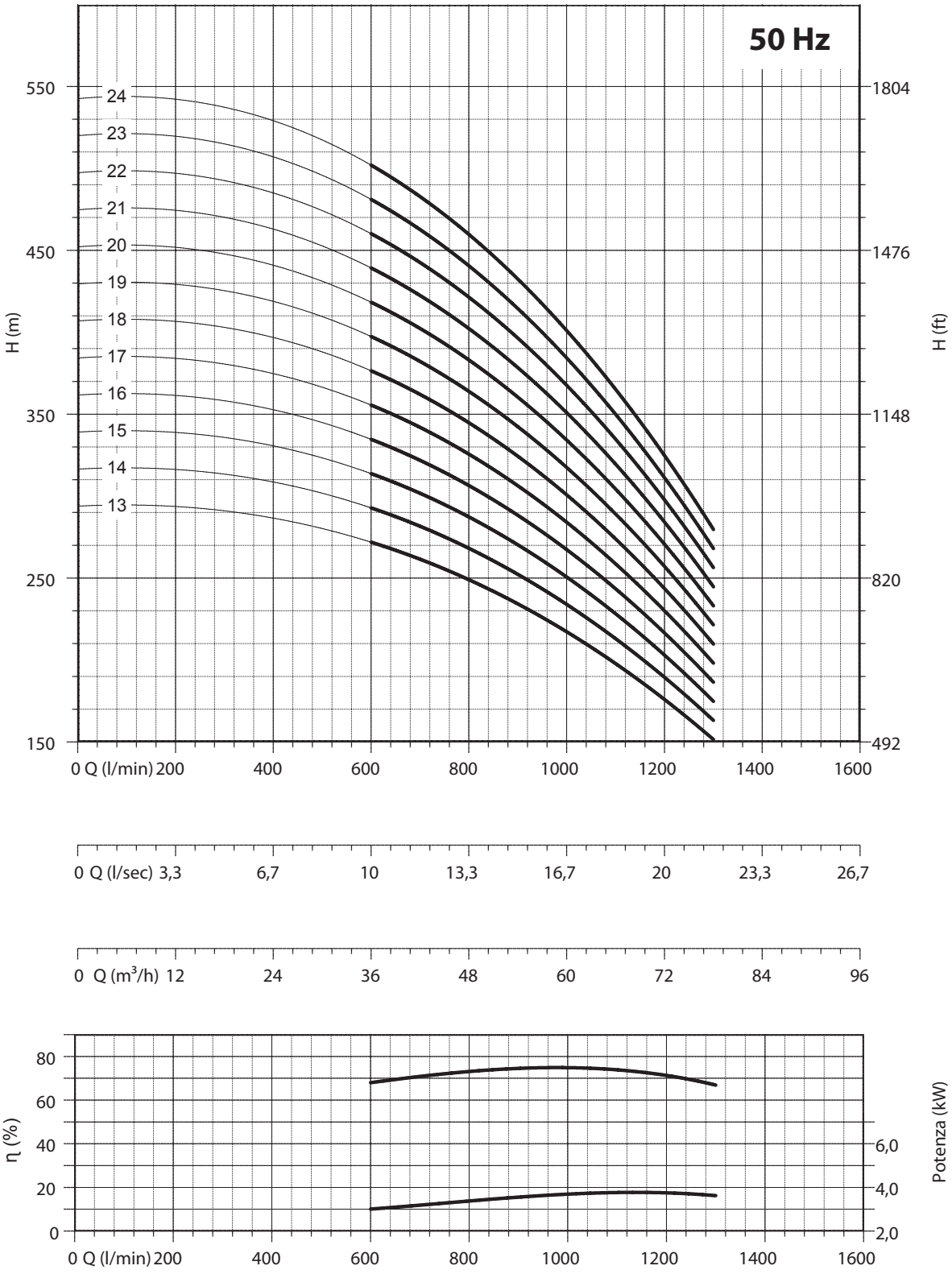
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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8” MRHX 60

Pompa sommersa radiale inox
Stainless steel radial submersible pump



NPSH (m)	25%	50%	75%	100%
8” MRHX 60	3,6	3,6	6	8

NOTES

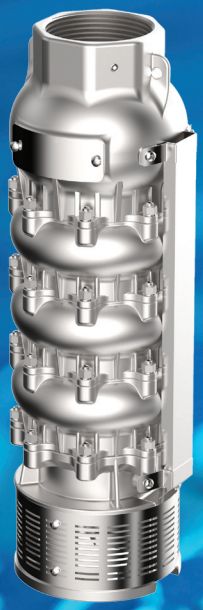
6”-8” 50Hz

MRHX

Clean
Civil
Industry
Fire
Agriculture

Pompa sommersa radiale inox
Stainless steel radial submersible pump
Pompe submersible radiale en acier inoxydable
Bomba sumergible radial de acero inoxidable

Tolleranza alla sabbia 100 g/m³
Sand tolerance 100 g/m³
Tolérance au sable 100 g/m³
Tolerancia de arena 100 g/m³



Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia

Risparmio energetico
Energy savings
Ahorro de energía
Économies d’énergie

Pressioni elevate
High pressures
Hautes pressions
Altas presiones

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

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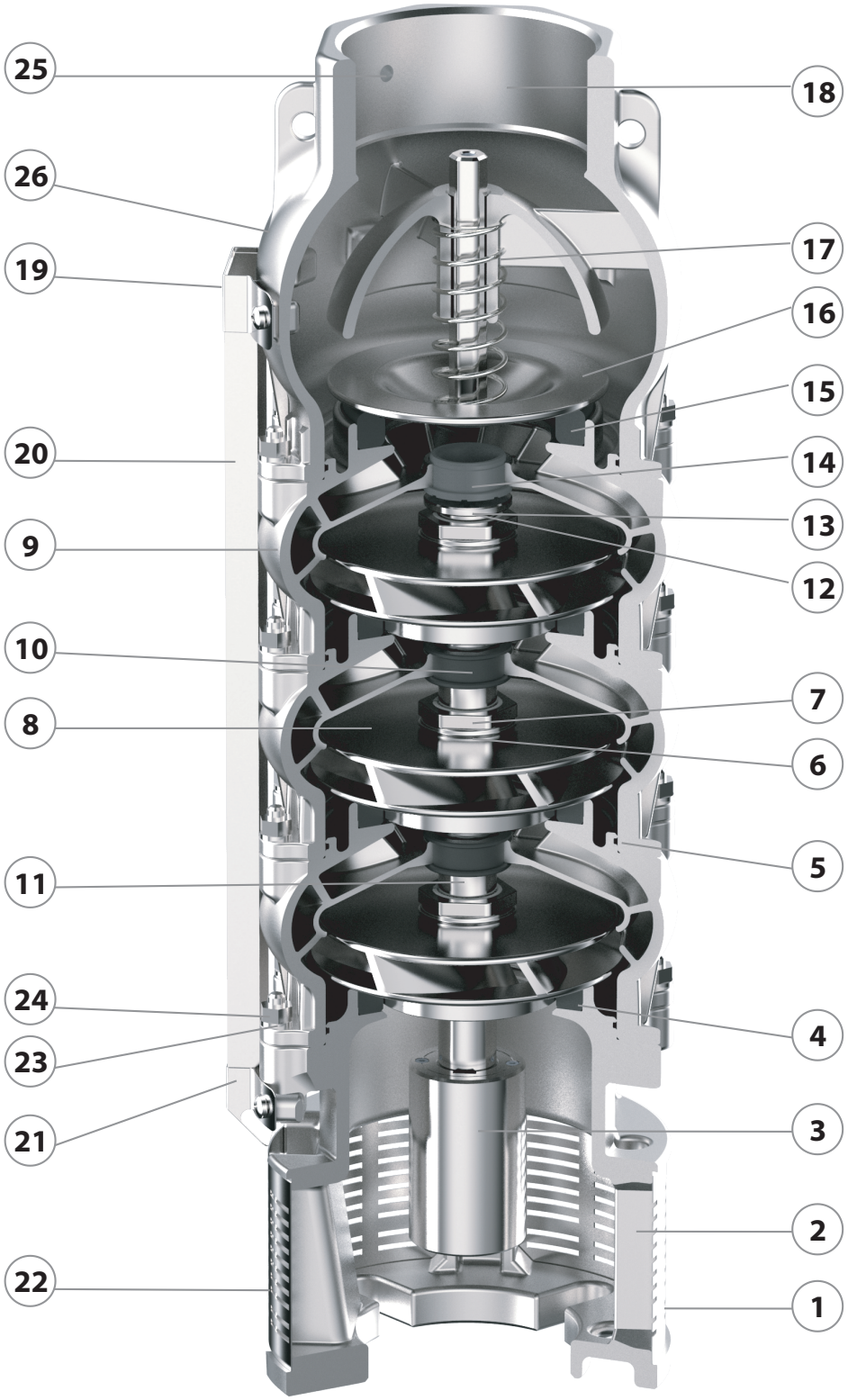
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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump



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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SUCCHERUOLA	AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA ASPIRAZIONE	AISI 304	SUCTION CAGE	AISI 304
3	GIUNTO	AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	O-RING	GOMMA NBR	O-RING	RUBBER NBR
6	CONO	AISI 304	CONE	AISI 304
7	GHIERA	AISI 304	HEX. RING	AISI 304
8	GIRANTE	AISI 304	IMPELLER	AISI 304
9	DIFFUSORE	AISI 304	DIFFUSER	AISI 304
10	BRONZINA	GOMMA NBR	BEARING BUSH	NBR
11	ALBERO POMPA	AISI 304	SHAFT	AISI 304
12	DISCO ACCIAIO	AISI 304	DISK	AISI 304
13	VITE TSPC	AISI 304	SCREW	AISI 304
14	CONTROSOSPENSIONE	PTFE+25% CARBONE	COUNTERTHRUST	PTFE+25% CARBON
15	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
16	FARFALLA	AISI 304	VALVE	AISI 304
17	MOLLA A COMPRESSIONE	AISI 301 / 316	SPRING	AISI 301 / 316
18	CORPO VALVOLA	AISI 304	BODY VALVE	AISI 304
19	STAFFETTA SUPERIORE	AISI 304	UPPER FLANGE	AISI 304
20	CANALINA	AISI 304	COVER CABLE	AISI 304
21	STAFFETTA INFERIORE	AISI 304	LOWER FLANGE	AISI 304
22	VITE M4x8	AISI 304	SCREW M4x8	AISI 304
23	RONDELLA GROWER	AISI 304	WASHER	AISI 304
24	DADO ESAGONALE	AISI 304	NUT	AISI 304
25	GRANO ANTIROTAZIONE	AISI 304	GRAIN	AISI 304
26	ETICHETTA METALLICA	AISI 304	METALLIC LABEL	AISI 304

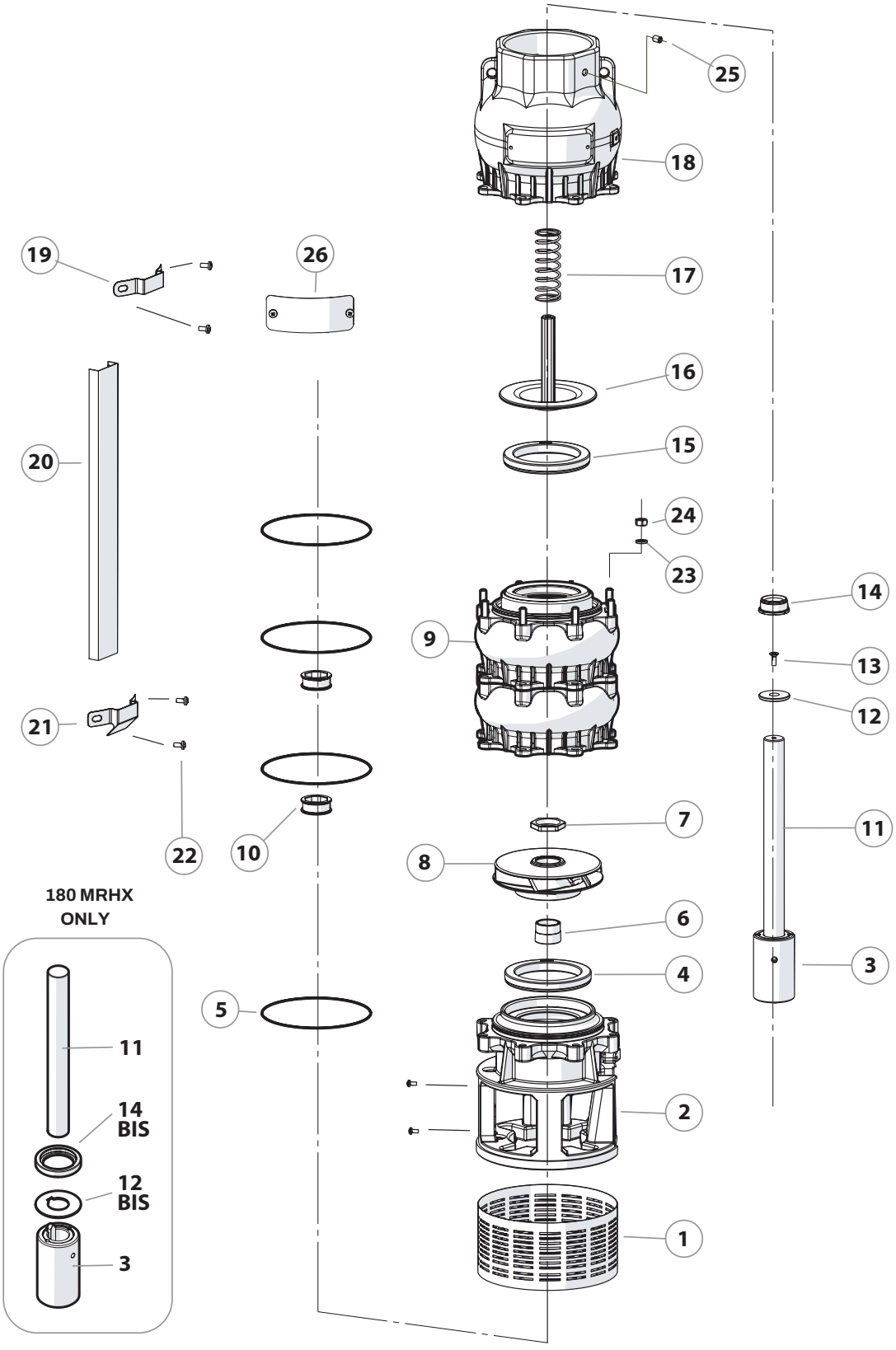
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	CREPINE	AISI 304	REJILLA	AISI 304
2	CAGE D'ASPIRATION	AISI 304	CUERPE DE ASPIRACION	AISI 304
3	JOINT	AISI 304	ACOPLAMIENTO	AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
6	CONE	AISI 304	CONO	AISI 304
7	BAGUE	AISI 304	ANILLO HEX.	AISI 304
8	ROUE	AISI 304	IMPULSOR	AISI 304
9	DIFFUSEUR	AISI 304	DIFUSOR	AISI 304
10	COUSSINET	NBR	COJINETE	GOMA NBR
11	ABRE POMPE	AISI 304	EJE DE BOMBA	AISI 304
12	RING	AISI 304	ANILLO EN ACERO	AISI 304
13	VIS	AISI 304	TORNILLO	AISI 304
14	CONTRESUSPENSION	PTFE+25% GRAPHITE	CONTRA-SUSPENCION	PTFE+25% GRAPHITE
15	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
16	PLAT	AISI 304	VALVULA	AISI 304
17	RESSORT DE COMPRESSION	AISI 301 / 316	MUELLE DE COMPRESION	AISI 301 / 316
18	CORPS DE VALVE	AISI 304	CUERPO DE IMPULSION	AISI 304
19	BRIDE SUPERIEURE	AISI 304	GRAPA SUPERIOR	AISI 304
20	PROTECTOR CABLE	AISI 304	PARACABLE	AISI 304
21	BRIDE INFERIEURE	AISI 304	GRAPA INFERIOR	AISI 304
22	VIS M4x8	AISI 304	TORNILLO M4x8	AISI 304
23	RONDELLE	AISI 304	ARANDELA	AISI 304
24	ECROU	AISI 304	TUERCAS	AISI 304
25	VIS DE BLOCAGE	AISI 304	TORNILLO DE BLOQUEO	AISI 304
26	ÉTIQUETTE MÉTALLIQUE	AISI 304	ETIQUETA METÁLICA	AISI 304

metro MADE IN ITALY

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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump



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6” - 8” MRHX

Pompa sommersa radiale inox
Stainless steel radial submersible pump

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7	GHIERA	AISI 304	HEX. RING	AISI 304
8	GIRANTE	AISI 304	IMPELLER	AISI 304
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3	JOINT	AISI 304	ACOPLAMIENTO	AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
6	CONE	AISI 304	CONO	AISI 304
7	BAGUE	AISI 304	ANILLO HEX.	AISI 304
8	ROUE	AISI 304	IMPULSOR	AISI 304
9	DIFFUSEUR	AISI 304	DIFUSOR	AISI 304
10	COUSSINET	NBR	COJINETE	GOMA NBR
11	ABRE POMPE	AISI 304	EJE DE BOMBA	AISI 304
12	RING	AISI 304	ANILLO EN ACERO	AISI 304
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25	VIS DE BLOCAGE	AISI 304	TORNILLO DE BLOQUEO	AISI 304
26	ÉTIQUETTE MÉTALLIQUE	AISI 304	ETIQUETA METÁLICA	AISI 304

NOTES

6”-12” 50Hz

MSX

Clean

Civil

Industry

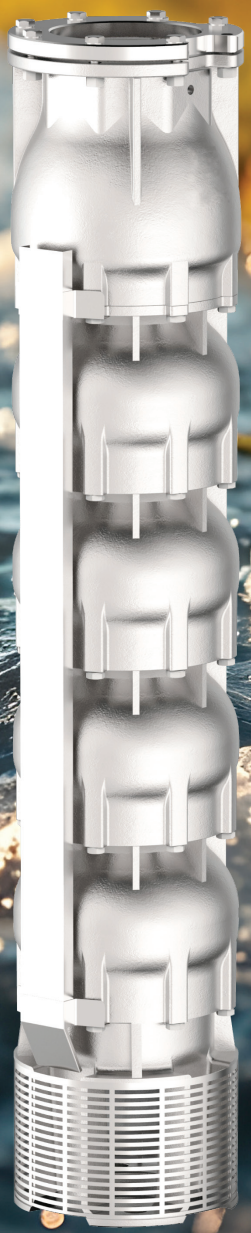
Fire

Agriculture

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia



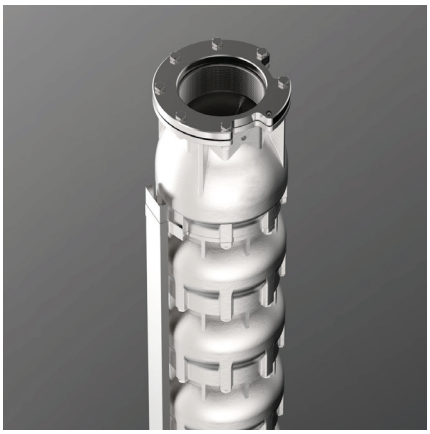
metro

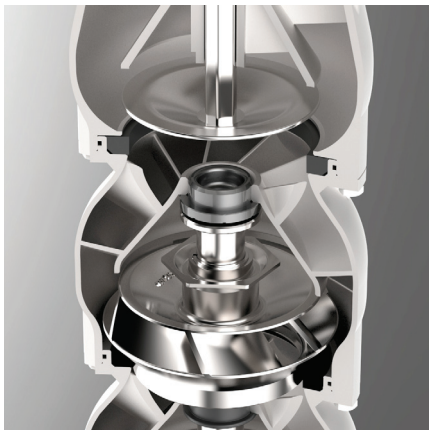
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6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox

Casted

Pompa semiassiale in acciaio inossidabile microfuso
Disponbile in: AISI 304 - AISI 316 - Duplex
Massimo contenuto di sabbia: 50 g/m³

Casted stainless steel semiaxial pump
Available in: AISI 304 - AISI 316 - Duplex
Maximum sand content: 50 g/m³

Pompe semiaxiale en acier inoxydable - coulé
Disponible en: AISI 304 - AISI 316 - Duplex
Tolérance de sable maximum: 50 g/m³

Bomba semiaxial en acero inoxyidable microfundido
Disponibilidad en: AISI 304 - AISI 316 - Duplex
Maxima cantidad de arena: 50 g/m³

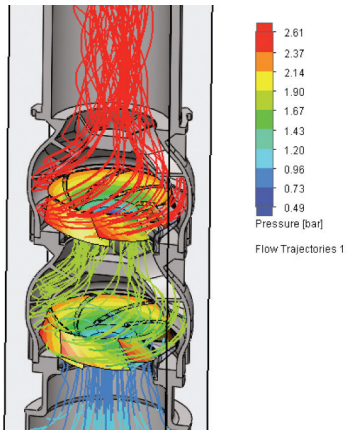
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox

Casted

Girante e diffusore in acciaio inossidabile AISI 304 microfuso
Robustezza ineguagliabile
Rendimento ai vertici del settore 77% - 81% - Massima efficienza energetica

Casted stainless steel impeller and diffuser AISI 304
Heavy Duty construction
Superior efficiency: 77% - 81 % - High Energy Saving

Roue et diffuseur en acier inoxydable -coulé AISI 304
Durabilité
Rendement superieur: 77% - 81% - Eficacité énergetique trés élevée

Rodete y difusor en acero inoxydable microfundido AISI 304
Durabilidad
Rendimiento superior: 77% - 81% - Máxima eficiencia energética

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

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6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox



Casted

MATERIAL
1) PTFE + 25 CARBON
CONTROSOSPENSIONE
COUNTERTHRUST
CONTRESUSPENSION
CONTRASUSPENSIÓN

MATERIAL
2) AISI 304
VITE
SCREW
VIS
TORNILLO

MATERIAL
3) AISI 304
DISCO
RING
DISQUE
DESCT

6” to 12” MSX



ELETTROPOMPE SOMMERSE SEMIASSIALI 6’’ a 12” SERIE 6” a 12” MSX, IN ACCIAIO INOX MICROFUSO AISI 304
Le pompe sommerse semiassiali sono caratterizzate da stadi formati dal corpo diffusore incorporato e girante semi-assiale.
Questo tipo di soluzione, rispetto a quella radiale, è ideale quando sono richieste a parità di diametro, medio-alte portate, con medie prevalenze.
Adatte a sollevamento di acqua pulita, per approvvigionamento idrico ad uso civile ed industriale, impianti di pressurizzazione, antincendio ed irrigazione, acquedotti.

VANTAGGI
Il design innovativo e le più avanzate tecnologie di microfusione consentono:
- rendimenti elevati
- notevole durate nel tempo (minore usura)
- facilità di smontaggio
- ridotta manutenzione - bassi costi di esercizio

MATERIALI
- Girante, diffusore , gabbia di aspirazione e corpo valvola in acciaio inox Aisi 304 microfuso
- Albero pompa in acciaio inox Aisi 304
- Anelli di usura, bronzine, guarnizione valvola in gomma NBR
- Anello di controspinta in PTFE+25% GRAFITE

CAMPI DI PRESTAZIONE IDRAULICHE
Portate fino a 543 m³/h, Prevalenze fino a 470 metri, Potenze fino a 350 kW
Massima quantità di sabbia ammessa : 50g/m³
Massima profondità di immersione : 350 metri

6’’ to 12” SUBMERSIBLE SEMIAXIAL PUMPS SERIES 6’’ to 12” MSX, IN AISI 304 CASTED STAINLESS STEEL
Semiaxial submersible pumps thanks to the design of impellers and diffusers are suitable for mid-high capacities up to mid Head values.
Suitable for clean water supply in domestic, industrial, pressure boosters, firefighting systems, irrigation and water system networks.

ADVANTAGES
The innovative design and the most advanced micro casting technologies allow:
- High efficiency
- Longer life
- Easy assembly/ disassembly
- Low maintenance
- Low operating cost

MATERIALS
- Impellers, diffusers, suction cage and delivery bowl in AISI 304 casted stainless steel
- Pump shaft in AISI 304 stainless steel
- Wear rings, bearing buses, valve seal in NBR
- Counter thrust in PTFE+25% GRAFITE

HYDRAULIC PERFORMANCES
Capacity up to 543 m³/h, Head up to 470 m, Power up to 350 kW
Maximum sand tolerance : 50 g/m³
Maximum depth : 350 metres

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro
MADE IN ITALY

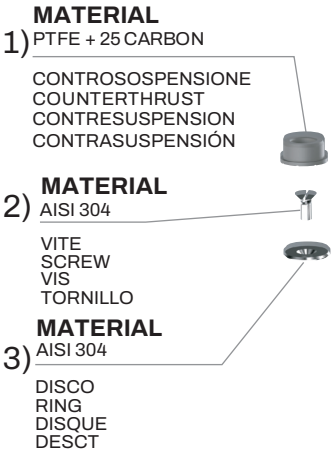
www.metropumps-italy.com

6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox



Casted



6” to 12” MSX



POMPES IMMERGÉES SEMIAXIALES 6” à 12” SERIE 6” à 12” MSX, EN ACIER INOXYDABLE AISI 304 MICROFUSION
Les pompes immergées semiaxiales grâce au design des roues et des diffuseurs peuvent produire des débit moyens-élevés et des hauteurs moyennes. Les pompes sont conçues pour des eaux claires dans toutes applications domestiques, industrielles, systèmes de surpression, groupe incendie, irrigation et réseaux d’eau publiques.

ADVANTAGES
L’innovatif projet et les technologies de microfusion les plus modernes permettent d’obtenir:
- Très hautes efficiences
- Durée de vie importante
- Facilité de montage et démontage
- Manutention réduite
- Couts d’exercice réduits

MATERIAUX
- Roues, diffuseurs, cage d’aspiration et refoulement en axier inoxydable AISI 304 en coulé
- Axe de la pompe en acier inoxydable AISI 304
- Bagues d’usure, bagues, anneau du clapet en caoutchouc NBR
- Contresuspension en PTFE+25% GRAFITE

PERFORMANCES HYDRAULIQUES
Débit jusqu’à 543 m³/h, Hauteur jusqu’à 470 m, Puissance jusqu’à 350 kW
Tolerance de sable maximum : 50 g/m³
Profondité maximum d’immersion : 350 métres

BOMBAS SUMERGIBLES SEMIAXIALES de 6” a 12” SERIE de 6” a 12” MSX, EN ACERO INOXIDABLE AISI 304 MICROFUNDIDO
Las bombas sumergibles semiaxiales gracias al diseño de los impulsores y de los cuerpos se adaptan a caudales medio-elevados y alturas media. Concebidas para el bombeo de aguas limpias en aplicaciones civiles e industriales para el suministro de agua a nivel doméstico, industrial, en grupos de presión, sistemas contra incendio, riego y sistemas de agua pública.

VENTAJAS
El diseño innovativo y las tecnologias de microfusión más modernas garantizan:
- Eficiencias elevadas
- Durada de vida muy importante
- Facilidad de montaje y desmontaje
- Manutención mínima
- Costos de utilización muy limitados

MATERIALES
- Impulsores, difusores, caja de aspiración e impulsión en acero inoxidable AISI 304 microfundido
- Eje de bomba en acero inoxidable AISI 304
- Anillos de desgaste, buje y anillo válvula en goma NBR
- Contrasuspensión en PTFE+25% GRAFITE

PRESTACIONES HIDRAULICAS
Caudales hasta 543 m³/h, Altura manométrica hasta 470 m, Potencia hasta 350 kW
Cantidad mãx de arena contenida en el agua: 50 g/m³,
Sumergencia mãx: 350 metros

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

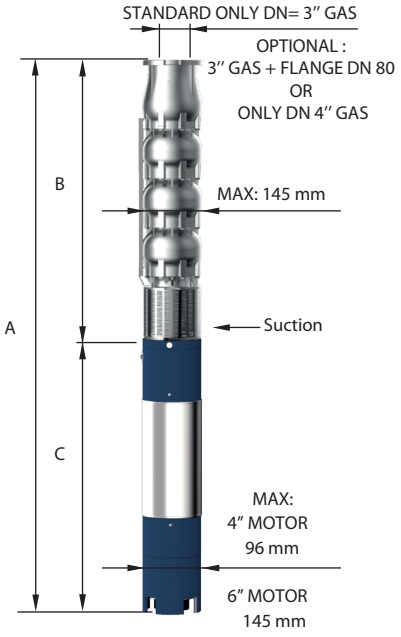
6” MSX 34

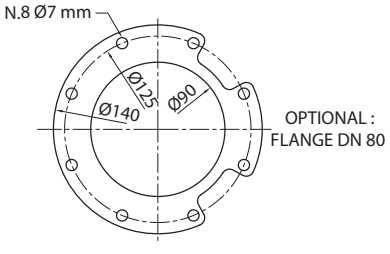
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	300	400	500	600	700	800
			l/sec	0	5	6,67	8,33	10	11,67	13,33
	kW	HP	m³/h	0	18	24	30	36	42	48
6” MSX 34/03	4	5,5	H(m)	43	38	36	34	31	26	20
6” MSX 34/04	5,50	7,5		57	51	48	45	41	35	27
6” MSX 34/05	7,50	10		72	64	60	57	51	44	34
6” MSX 34/06	9,20	12,5		86	76	72	68	61	52	41
6” MSX 34/07	9,20	12,5		100	89	84	79	71	61	48
6” MSX 34/08	11	15		114	102	96	90	82	70	54
6” MSX 34/09	13	17,5		129	114	108	102	92	78	61
6” MSX 34/10	15	20		143	127	120	113	102	87	68
6” MSX 34/11	15	20		157	6”	132	124	112	96	75
6” MSX 34/12	18,50	25		172	152	144	136	122	104	82
6” MSX 34/13	18,50	25		186	165	156	147	133	113	88
6” MSX 34/14	22	30		200	178	168	158	143	122	95





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSX 34/03	1193	596	597	22	16
6” MSX 34/04	1395	697	698	27	20
6” MSX 34/05	1616	798	818	32	23
6” MSX 34/06	1650	899	751	60	27
6” MSX 34/07	1751	1000	751	60	30
6” MSX 34/08	1912	1101	811	65	33
6” MSX 34/09	2043	1202	841	70	37
6” MSX 34/10	2234	1303	931	75	40
6” MSX 34/11	2335	6”4	931	75	44
6” MSX 34/12	2496	1505	991	83	47
6” MSX 34/13	2597	1606	991	83	51
6” MSX 34/14	2778	1707	1071	92	54

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,33

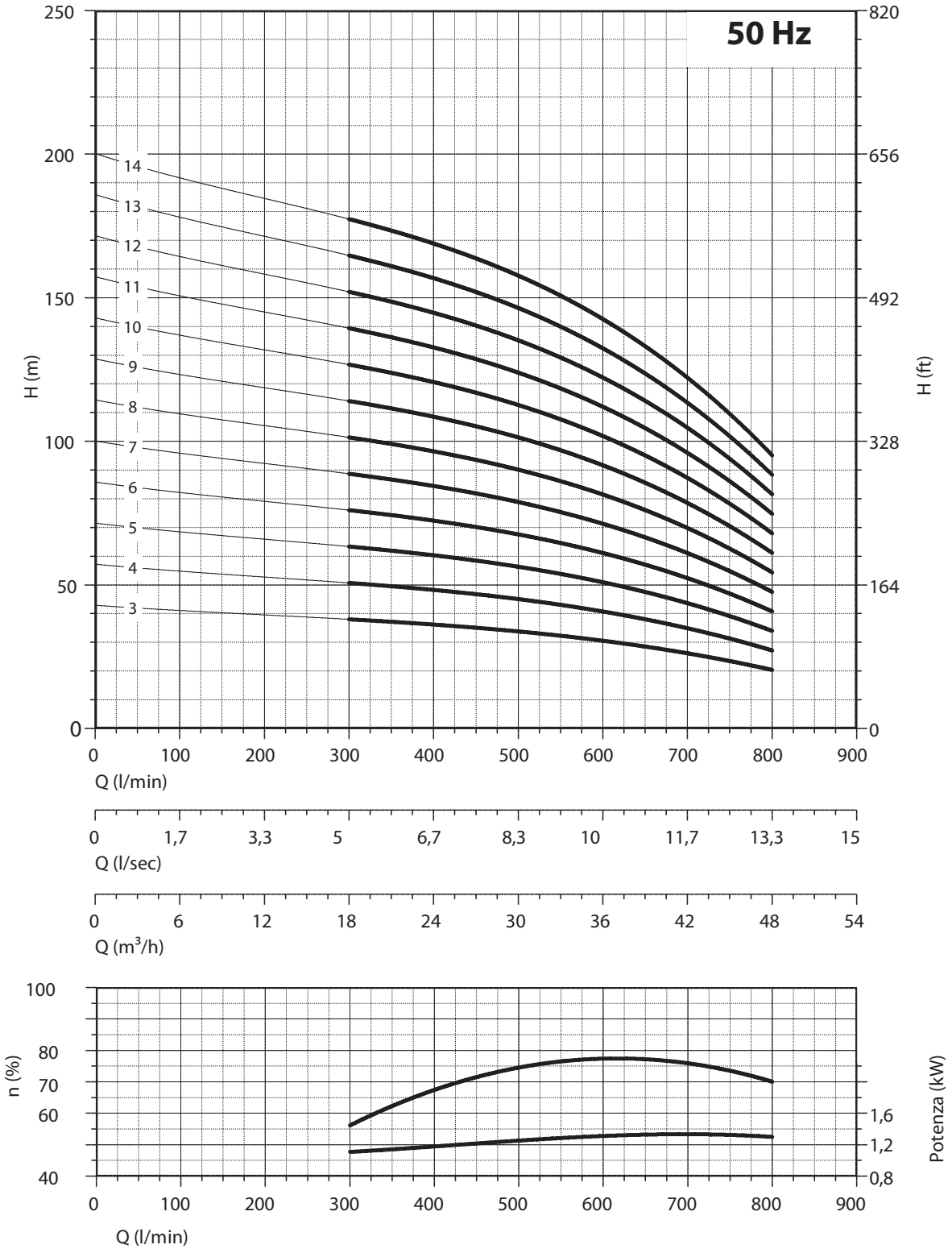
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 34

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 34	3,4	3,4	3,8	8

metro MADE IN ITALY

www.metropumps-italy.com

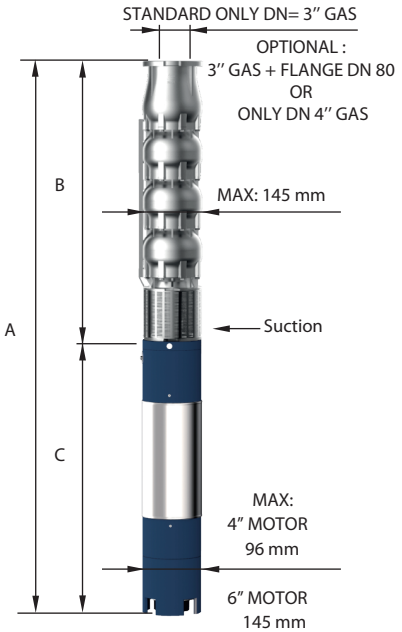
6” MSX 34

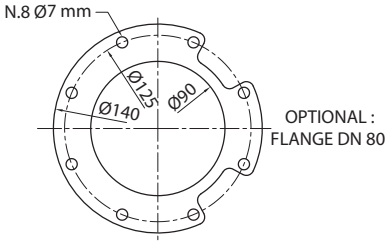
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	300	400	500	600	700	800
			l/sec	0	5	6,67	8,33	10	11,67	13,33
	kW	HP	m³/h	0	18	24	30	36	42	48
6” MSX 34/15	22	30		215	191	180	170	153	131	102
6” MSX 34/16	22	30		229	203	192	181	163	139	109
6” MSX 34/17	26	35		243	216	204	192	173	148	116
6” MSX 34/18	26	35		257	229	216	203	184	157	122
6” MSX 34/19	26	35		272	241	228	215	194	165	129
6” MSX 34/20	30	40		286	254	240	226	204	174	136
6” MSX 34/21	30	40	H(m)	300	267	252	237	214	183	143
6” MSX 34/22	30	40		315	279	264	249	224	191	150
6” MSX 34/23	37	50		329	292	276	260	235	200	156
6” MSX 34/24	37	50		343	305	288	271	245	209	163
6” MSX 34/25	37	50		358	318	300	283	255	217	170
6” MSX 34/26	37	50		372	330	312	294	265	226	177
6” MSX 34/27	37	50		386	343	324	305	275	235	184





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSX 34/15	2879	1808	1071	92	58
6” MSX 34/16	2980	1909	1071	92	61
6” MSX 34/17	3191	2010	1181	100	64
6” MSX 34/18	3292	2111	1181	100	68
6” MSX 34/19	3393	2212	1181	100	71
6” MSX 34/20	3564	2313	1251	108	75
6” MSX 34/21	3665	2414	1251	108	78
6” MSX 34/22	3766	2515	1251	108	82
6” MSX 34/23	3957	2616	1341	118	85
6” MSX 34/24	4058	2717	1341	118	89
6” MSX 34/25	4159	2818	1341	118	92
6” MSX 34/26	4260	2919	1341	118	96
6” MSX 34/27	4361	3020	1341	118	99

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,33

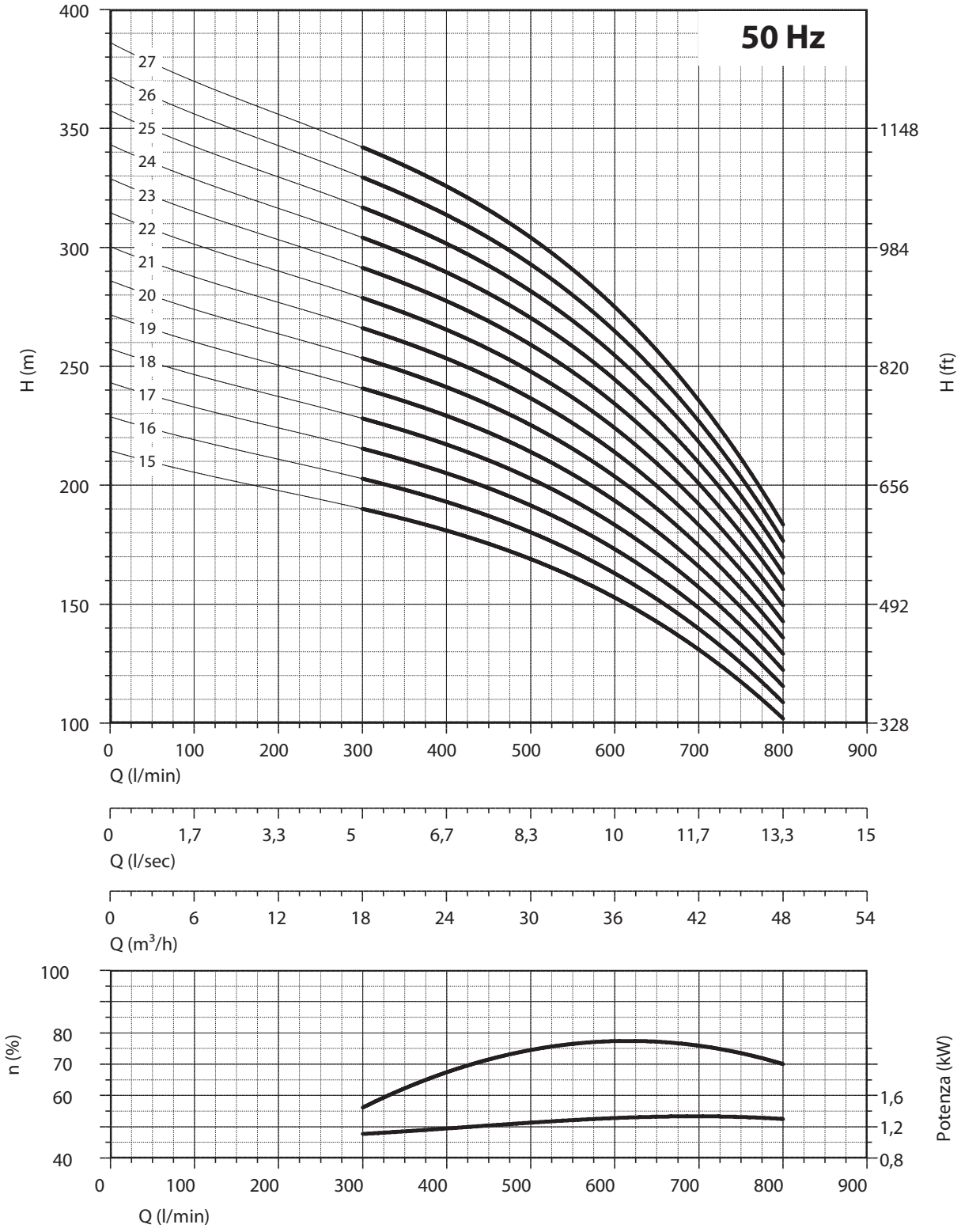
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 34

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 34	3,4	3,4	3,8	8

metro MADE IN ITALY

www.metropumps-italy.com

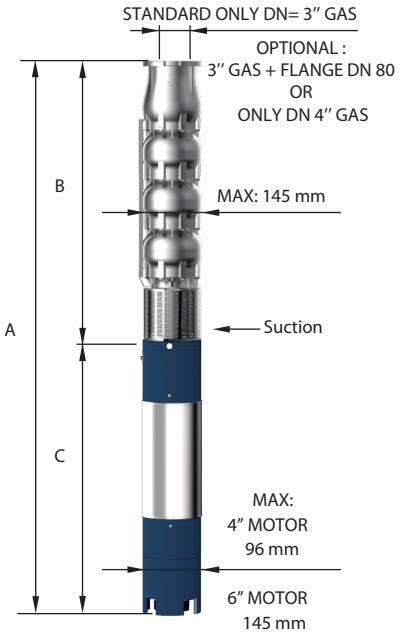
6” MSX 44

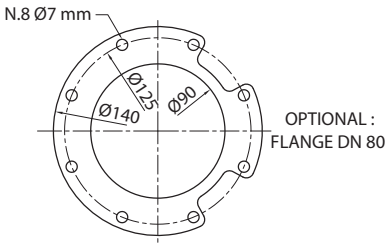
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	400	500	600	700	800	900	1000
			l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
	kW	HP	m³/h	0	24	30	36	42	48	54	60
6” MSX 44/04	5,50	7,5		56	46	44	42	39	35	30	26
6” MSX 44/05	7,50	10		70	57	56	53	49	44	37	32
6” MSX 44/06	9,20	12,5		84	68	67	64	59	53	44	38
6” MSX 44/07	11	15		98	80	78	74	69	62	52	45
6” MSX 44/08	13	17,5		112	91	89	85	78	70	59	51
6” MSX 44/09	13	17,5	H(m)	126	103	100	95	88	79	67	58
6” MSX 44/10	15	20		140	114	111	106	98	88	74	64
6” MSX 44/11	18,50	25		154	125	122	117	108	97	81	70
6” MSX 44/12	18,50	25		168	137	133	127	118	106	89	77
6” MSX 44/13	22	30		182	148	144	138	127	114	96	83
6” MSX 44/14	22	30		196	160	155	283	137	123	104	90





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSX 44/04	1395	697	698	27	20
6” MSX 44/05	1616	798	818	32	23
6” MSX 44/06	1650	899	751	60	27
6” MSX 44/07	1811	1000	811	65	30
6” MSX 44/08	1942	1101	841	70	33
6” MSX 44/09	2043	1202	841	70	37
6” MSX 44/10	2234	1303	931	75	40
6” MSX 44/11	2395	1404	991	83	44
6” MSX 44/12	2496	1505	991	83	47
6” MSX 44/13	2677	1606	1071	92	51
6” MSX 44/14	2778	1707	1071	92	54

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,44

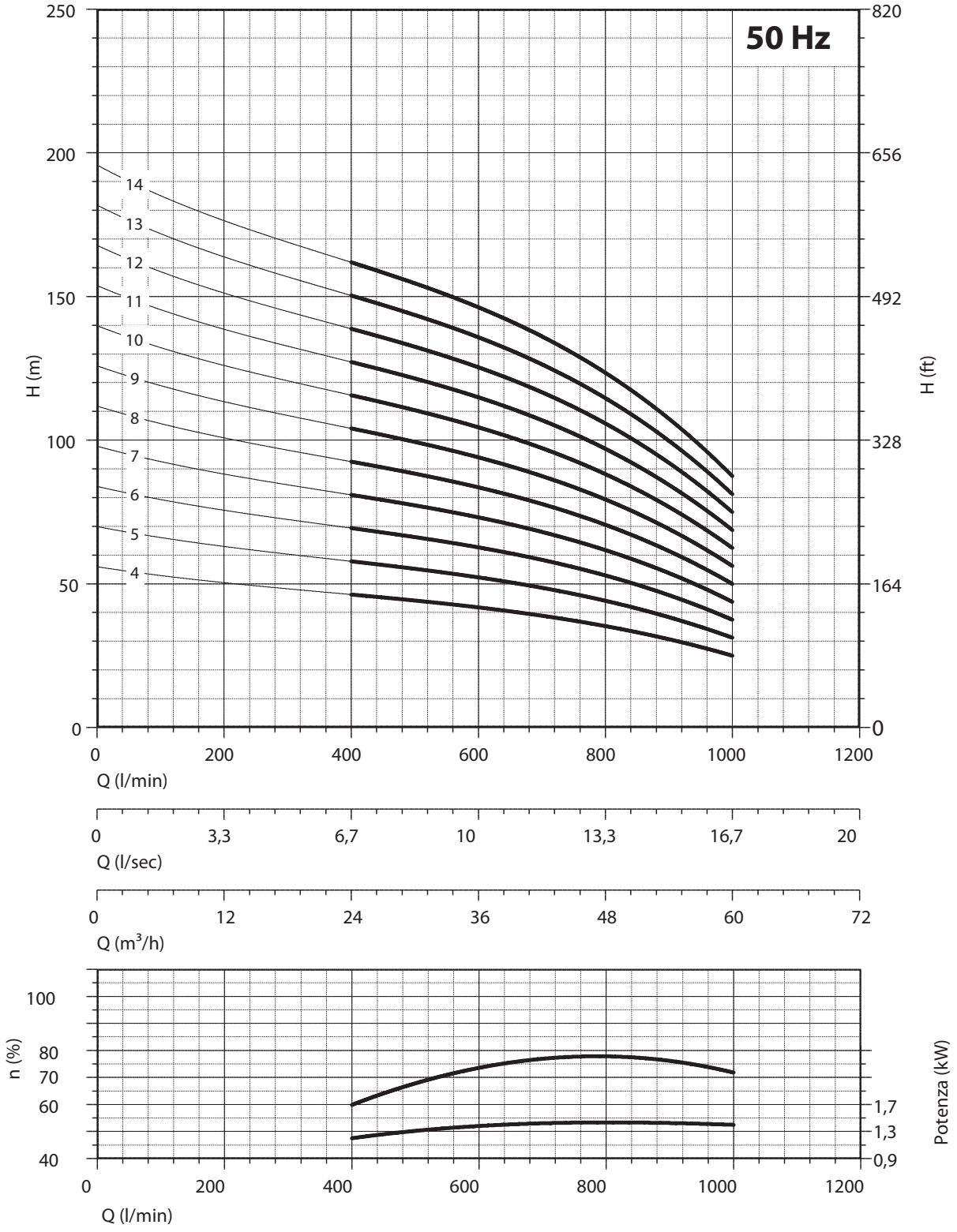
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 44

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 44	3,45	3,5	3,8	5

metro MADE IN ITALY

www.metropumps-italy.com

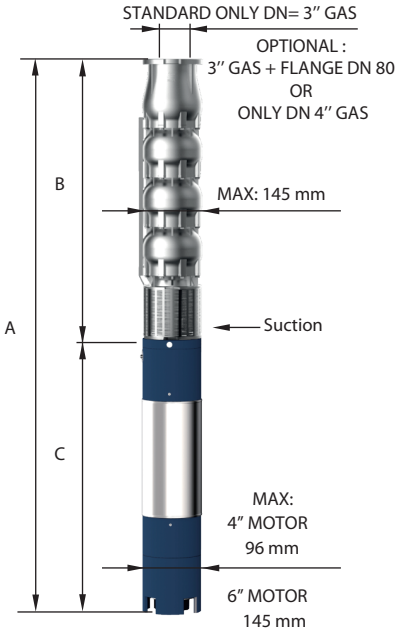
6” MSX 44

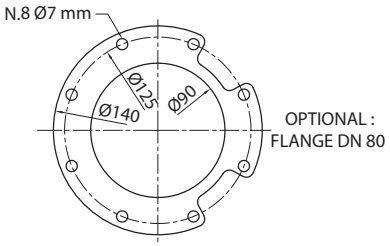
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	400	500	600	700	800	900	1000
			l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
			m³/h	0	24	30	36	42	48	54	60
6” MSX 44/15	22	30	H(m)	210	171	167	159	147	132	111	96
6” MSX 44/16	26	35		224	182	178	170	157	141	118	102
6” MSX 44/17	26	35		238	194	189	180	167	150	126	109
6” MSX 44/18	26	35		252	205	200	191	176	158	133	115
6” MSX 44/19	30	40		266	217	211	201	186	167	141	122
6” MSX 44/20	30	40		280	228	222	212	196	176	148	128
6” MSX 44/21	37	50		294	239	233	223	206	185	155	134
6” MSX 44/22	37	50		308	251	244	233	216	194	163	141
6” MSX 44/23	37	50		322	262	255	244	225	202	170	147
6” MSX 44/24	37	50		336	274	266	254	235	211	178	154
6” MSX 44/25	37	50		350	285	278	265	245	220	185	160





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSX 44/15	2879	1808	1071	92	58
6” MSX 44/16	3090	1909	1181	100	61
6” MSX 44/17	3191	2010	1181	100	64
6” MSX 44/18	3362	2111	1251	108	68
6” MSX 44/19	3463	2212	1251	108	71
6” MSX 44/20	3654	2313	1341	118	75
6” MSX 44/21	3755	2414	1341	118	78
6” MSX 44/22	3856	2515	1341	118	82
6” MSX 44/23	3957	2616	1341	118	85
6” MSX 44/24	4058	2717	1341	118	89
6” MSX 44/25	4159	2818	1341	118	92

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,44

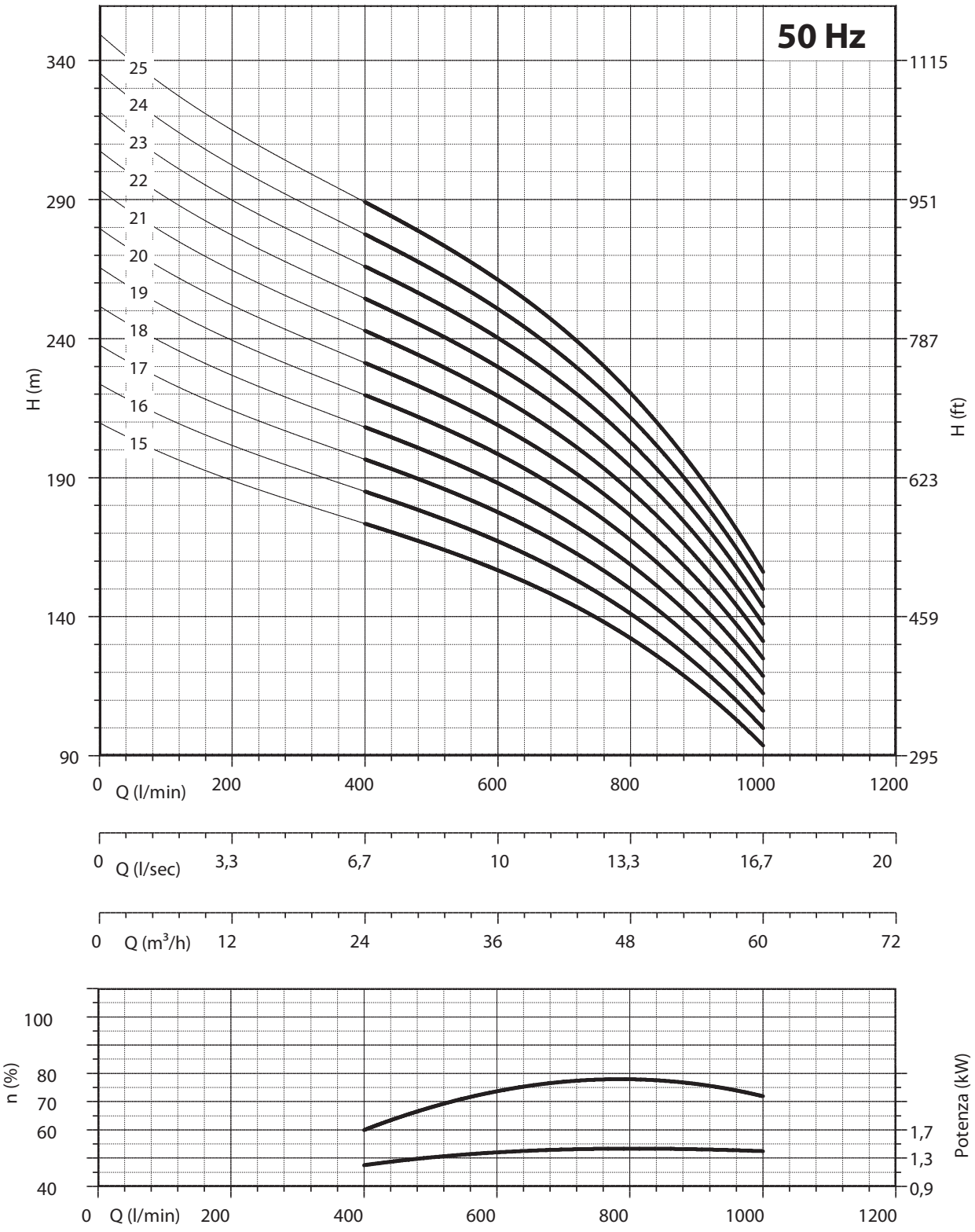
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 44

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 44	3,45	3,5	3,8	5

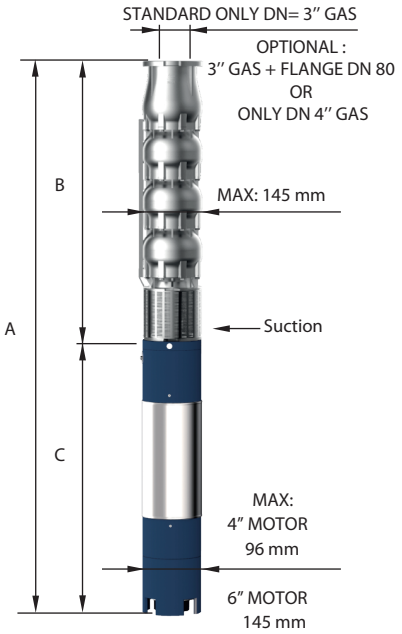
6” MSX 54

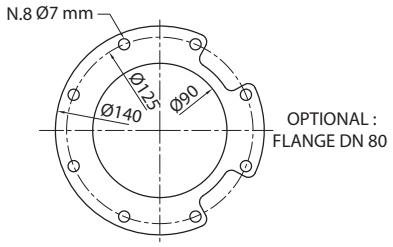
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power		l/min	0	600	700	800	900	1000	1100	1200
			l/sec	0	10	11,67	13,33	15	16,67	18,33	20
	kW	HP	m³/h	0	36	42	48	54	60	66	72
6” MSX 54/03	5,50	7,5	H(m)	41	31	29	27	26	23	21	18
6” MSX 54/04	7,50	10		55	41	38	36	34	31	28	24
6” MSX 54/05	9,20	12,5		69	52	48	46	43	39	35	30
6” MSX 54/06	11	15		82	62	58	55	51	47	41	36
6” MSX 54/07	13	17,5		96	72	67	64	60	55	48	42
6” MSX 54/08	13	17,5		110	82	77	73	68	62	55	48
6” MSX 54/09	15	20		123	93	86	82	77	70	62	54
6” MSX 54/10	18,50	25		137	103	96	91	85	78	69	60
6” MSX 54/11	18,50	25		151	113	106	100	94	86	76	66
6” MSX 54/12	22	30		164	124	115	109	102	94	83	72





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSX 54/03	1312	614	698	27	19
6” MSX 54/04	1539	721	818	32	22
6” MSX 54/05	1579	828	751	60	26
6” MSX 54/06	1746	935	811	65	29
6” MSX 54/07	1883	1042	841	70	32
6” MSX 54/08	1990	1149	841	70	35
6” MSX 54/09	2187	1256	931	75	38
6” MSX 54/10	2354	1363	991	83	41
6” MSX 54/11	2461	1470	991	83	45
6” MSX 54/12	2648	1577	1071	92	49

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,65

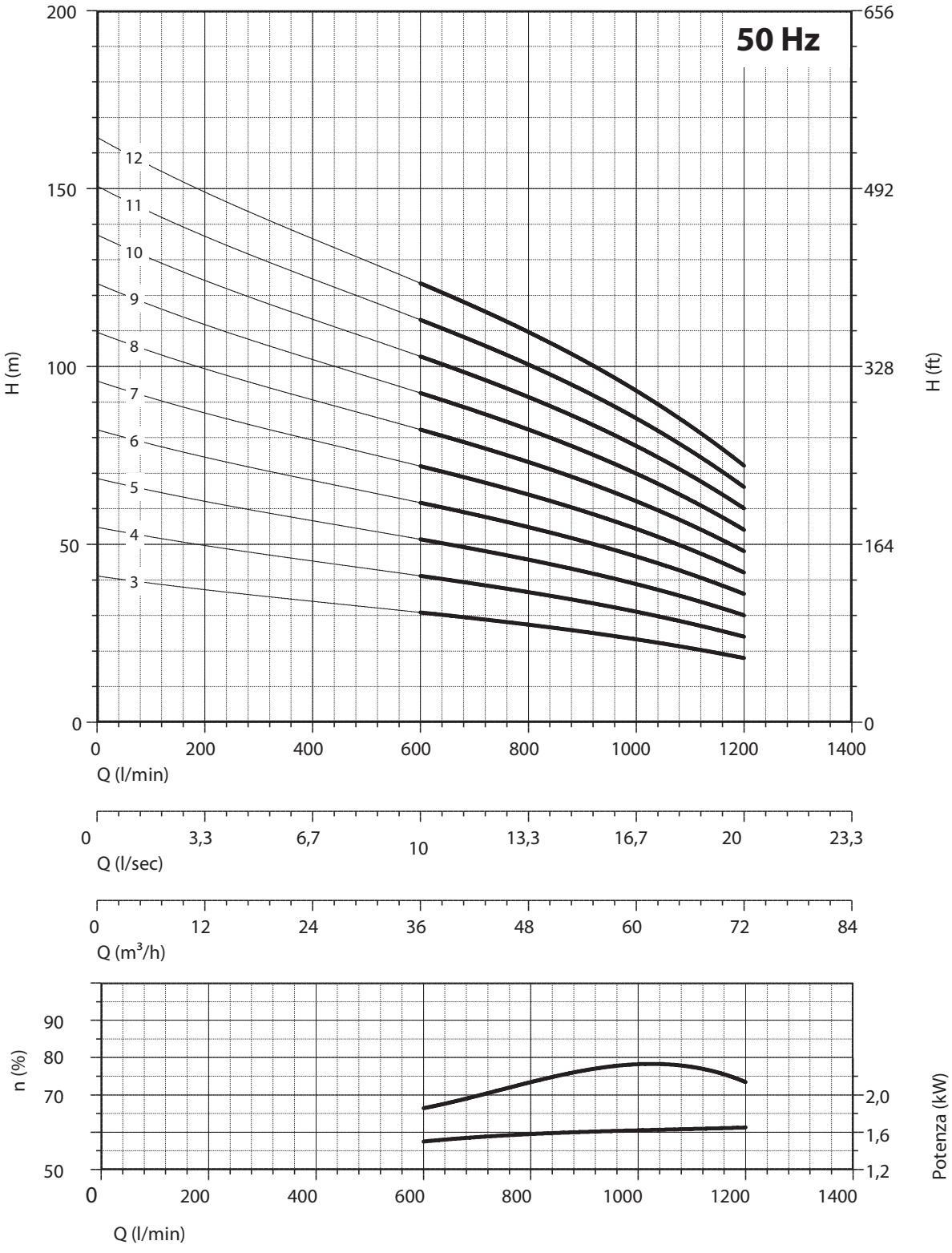
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 54

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 54	3,8	3,8	5,1	7,1

metro MADE IN ITALY

www.metropumps-italy.com

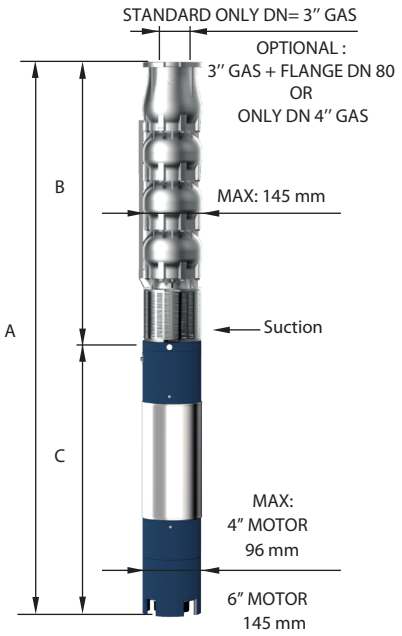
6” MSX 54

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

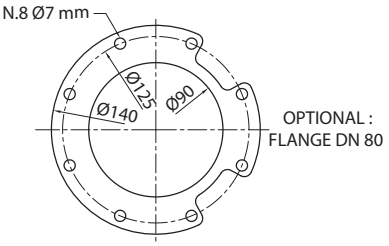
Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power		l/min	0	600	700	800	900	1000	1100	1200
			l/sec	0	10	11,67	13,33	15	16,67	18,33	20
	kW	HP	m³/h	0	36	42	48	54	60	66	72
6” MSX 54/13	22	30	H(m)	178	134	125	118	111	101	90	78
6” MSX 54/14	26	35		192	144	134	127	119	109	97	84
6” MSX 54/15	26	35		206	155	144	137	128	117	104	90
6” MSX 54/16	26	35		219	165	154	146	136	125	110	96
6” MSX 54/17	30	40		233	175	163	155	145	133	117	102
6” MSX 54/18	30	40		247	185	173	164	153	140	124	108
6” MSX 54/19	37	50		260	196	182	173	162	148	131	114
6” MSX 54/20	37	50		274	206	192	182	170	156	138	120
6” MSX 54/21	37	50		288	216	202	191	179	164	145	126
6” MSX 54/22	37	50		301	227	211	200	187	172	152	132



DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSX 54/13	2755	1684	1071	92	53
6” MSX 54/14	2972	1791	1181	100	56
6” MSX 54/15	3079	1898	1181	100	59
6” MSX 54/16	3186	2005	1181	100	61
6” MSX 54/17	3363	2112	1251	108	64
6” MSX 54/18	3470	2219	1251	108	67
6” MSX 54/19	3667	2326	1341	118	70
6” MSX 54/20	3774	2433	1341	118	74
6” MSX 54/21	3881	2540	1341	118	77
6” MSX 54/22	3988	2647	1341	118	82



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,65

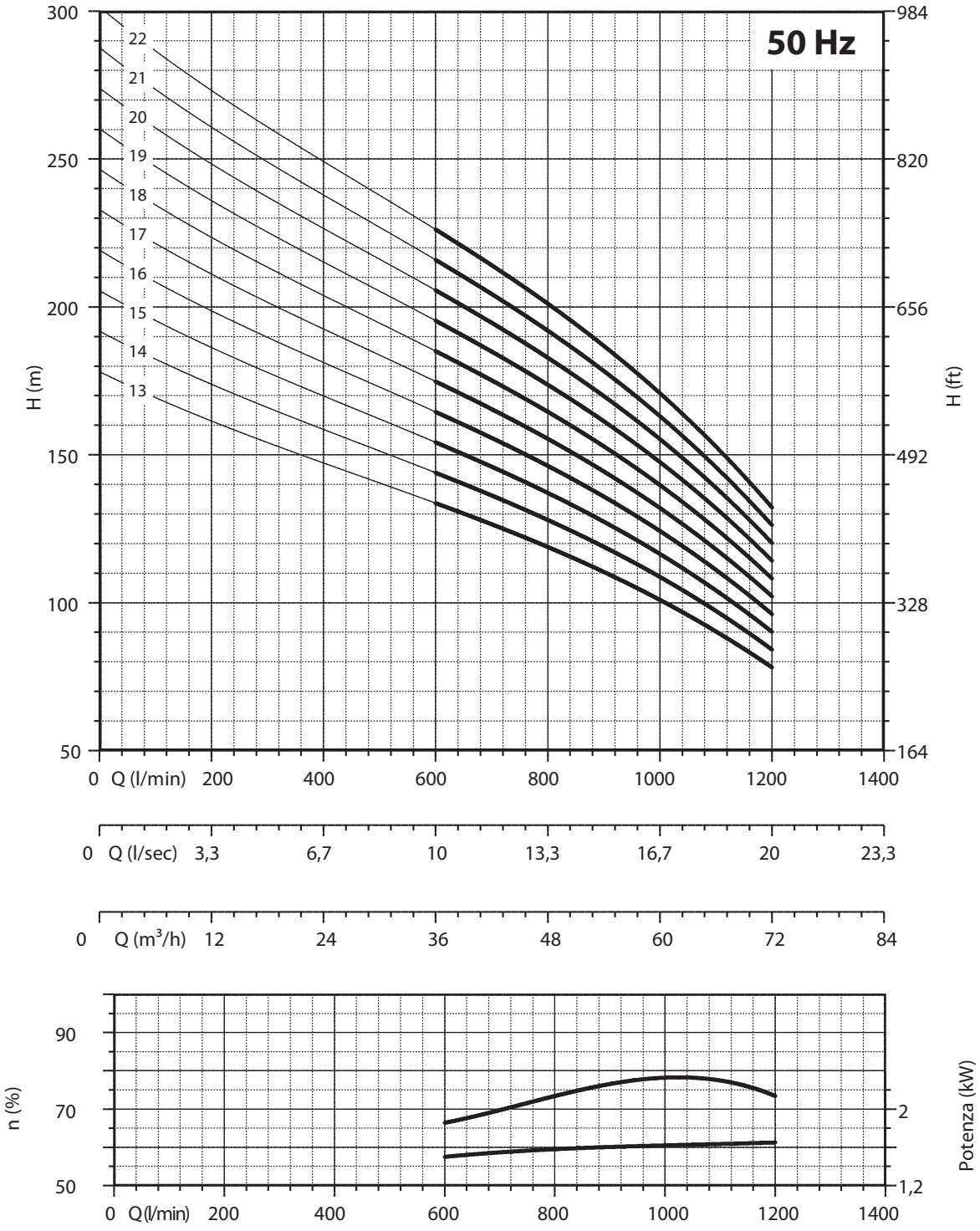
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 54

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 54	3,8	3,8	7,1	5,1

metro MADE IN ITALY

www.metropumps-italy.com

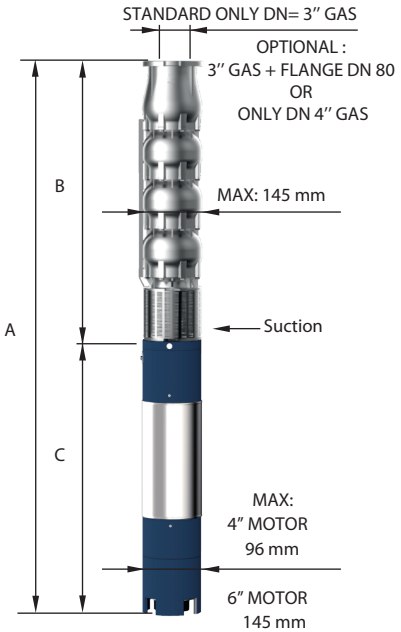
6” MSX 64

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

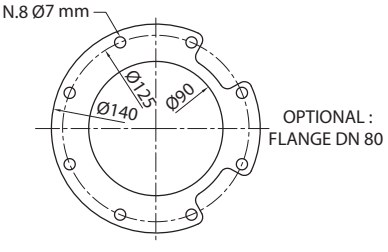
Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	700	800	900	1000	1100	1200	1300	1400	1500
			l/sec	0	11,67	13,33	15	16,67	18,33	20	21,67	23,33	25
	kW	HP	m³/h	0	42	48	54	60	66	72	78	84	90
6” MSX 64/01	2,20	3		13	10	9,9	9,6	9,3	9	8,6	8	7	6
6” MSX 64/02	4	5,5		26	21	20	19,5	19	18	17	15	13	11
6” MSX 64/03	7,50	10		39	31	30	29	28	27	26	23	20	17
6” MSX 64/04	9,20	12,5		52	41	40	38	37	36	34	31	27	23
6” MSX 64/05	11	15		66	52	50	48	47	45	43	38	33	28
6” MSX 64/06	13	17,5		79	62	59	57	56	55	51	46	40	34
6” MSX 64/07	15	20		92	73	69	67	66	64	60	53	46	39
6” MSX 64/08	18,50	25		105	83	79	76	75	73	68	61	53	45
6” MSX 64/09	22	30	H(m)	118	93	89	86	84	82	77	69	60	51
6” MSX 64/10	22	30		131	104	99	95	94	91	85	76	66	56
6” MSX 64/11	26	35		144	114	109	105	103	100	94	84	73	62
6” MSX 64/12	26	35		157	124	119	114	112	109	102	92	80	68
6” MSX 64/13	30	40		170	135	129	124	122	118	111	99	86	73
6” MSX 64/14	30	40		183	145	139	134	131	127	120	107	93	79
6” MSX 64/15	37	50		197	155	149	143	140	136	128	114	99	84
6” MSX 64/16	37	50		210	166	158	153	150	145	137	122	106	90
6” MSX 64/17	37	50		223	176	168	162	159	155	145	130	113	96
6” MSX 64/18	37	50		236	186	178	172	168	164	154	137	119	101



DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSX 64/01	853	400	452	15	12
6” MSX 64/02	1104	507	597	22	15
6” MSX 64/03	1432	614	818	32	19
6” MSX 64/04	1472	721	751	60	23
6” MSX 64/05	1639	828	811	65	27
6” MSX 64/06	1776	935	841	70	32
6” MSX 64/07	1973	1042	931	75	36
6” MSX 64/08	2140	1149	991	83	40
6” MSX 64/09	2327	1256	1071	92	44
6” MSX 64/10	2434	1363	1071	92	48
6” MSX 64/11	2651	1470	1181	100	53
6” MSX 64/12	2758	1577	1181	100	57
6” MSX 64/13	2935	1684	1251	108	61
6” MSX 64/14	3042	1791	1251	108	65
6” MSX 64/15	3239	1898	1341	118	70
6” MSX 64/16	3346	2005	1341	118	75
6” MSX 64/17	3453	2112	1341	118	80
6” MSX 64/18	3560	2219	1341	118	85



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 2,18

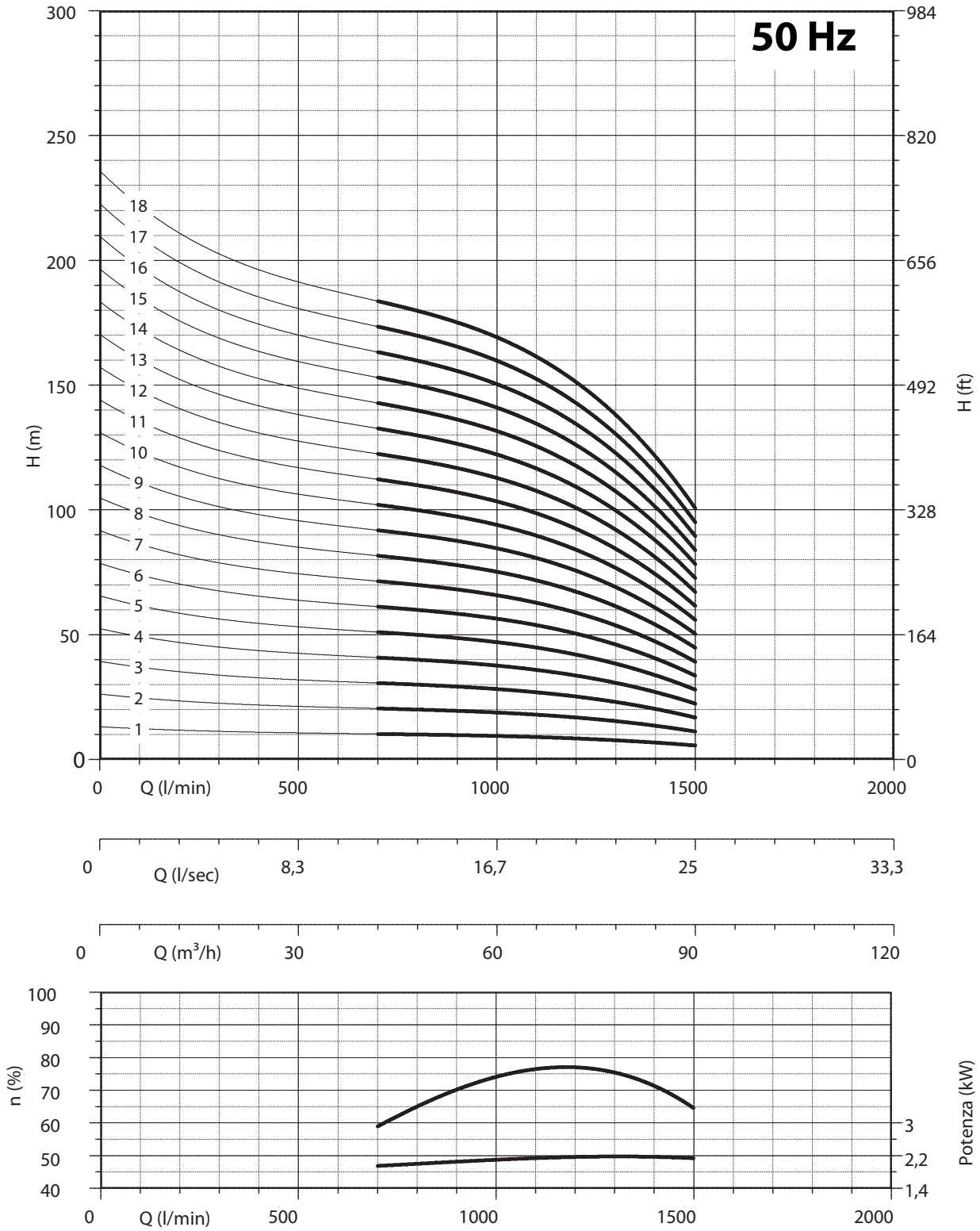
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSX 64

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
6” MSX 64	3,8	3,8	5,1	7,1

metro MADE IN ITALY

www.metropumps-italy.com

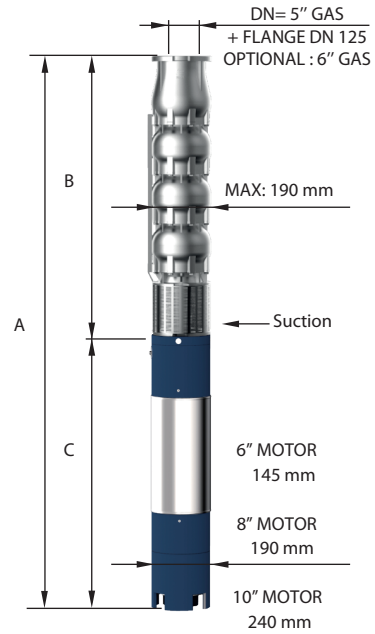
8” MSX 78

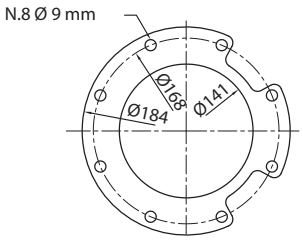
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	600	800	1000	1200	1400	1600
			l/sec	0	10	13,33	16,67	20	23,33	26,67
	kW	HP	m³/h	0	36	48	60	72	84	96
8” MSX 78 /01	7,50	10		27	24	23	22	20	18	15
8” MSX 78 /02	11	15		54	49	47	44	40	35	30
8” MSX 78 /03	18,50	25		81	73	70	65	60	53	44
8” MSX 78 /04	26	35		108	97	93	87	80	70	59
8” MSX 78 /05	30	40		135	121	116	109	100	88	74
8” MSX 78 /06	37	50		162	146	140	131	120	105	89
8” MSX 78 /07	44	60		189	170	163	152	140	123	103
8” MSX 78 /08	55	75		216	194	186	174	160	140	118
8” MSX 78 /09	55	75		243	218	209	196	180	158	133
8” MSX 78 /10	66	90	H(m)	270	243	233	218	200	175	148
8” MSX 78 /11	66	90		297	267	256	239	220	193	162
8” MSX 78 /12	75	100		324	291	279	261	240	210	177
8” MSX 78 /13	75	100		351	315	302	283	260	228	192
8” MSX 78 /14	92	125		378	340	326	305	280	245	207
8” MSX 78 /15	92	125		405	364	349	326	300	263	221
8” MSX 78 /16	92	125		432	388	372	348	320	280	236
8” MSX 78 /17	110	150		459	412	395	370	340	298	251
8” MSX 78 /18	110	150		486	437	419	392	360	315	266
8” MSX 78 /19	110	150		513	461	442	413	380	333	280





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSX 78 /01	1226	525	701	55	19
8” MSX 78 /02	1461	650	811	65	26
8” MSX 78 /03	1766	775	991	83	32
8” MSX 78 /04	2081	900	1181	100	39
8” MSX 78 /05	2276	1025	1251	108	45
8” MSX 78 /06	2491	1150	1341	118	52
8” MSX 78 /07	2398	1275	1123	178	58
8” MSX 78 /08	2633	1400	1233	200	65
8” MSX 78 /09	2758	1525	1233	200	71
8” MSX 78 /10	2953	1650	1303	214	78
8” MSX 78 /11	3078	1775	1303	214	84
8” MSX 78 /12	3283	1900	1383	230	91
8” MSX 78 /13	3408	2025	1383	230	97
8” MSX 78 /14	3733	2150	1583	270	104
8” MSX 78 /15	3858	2275	1583	270	110
8” MSX 78 /16	3983	2400	1583	270	117
8” MSX 78 /17	4258	2525	1733	300	123
8” MSX 78 /18	4383	2650	1733	300	130
8” MSX 78 /19	4508	2775	1733	300	136

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 5,75

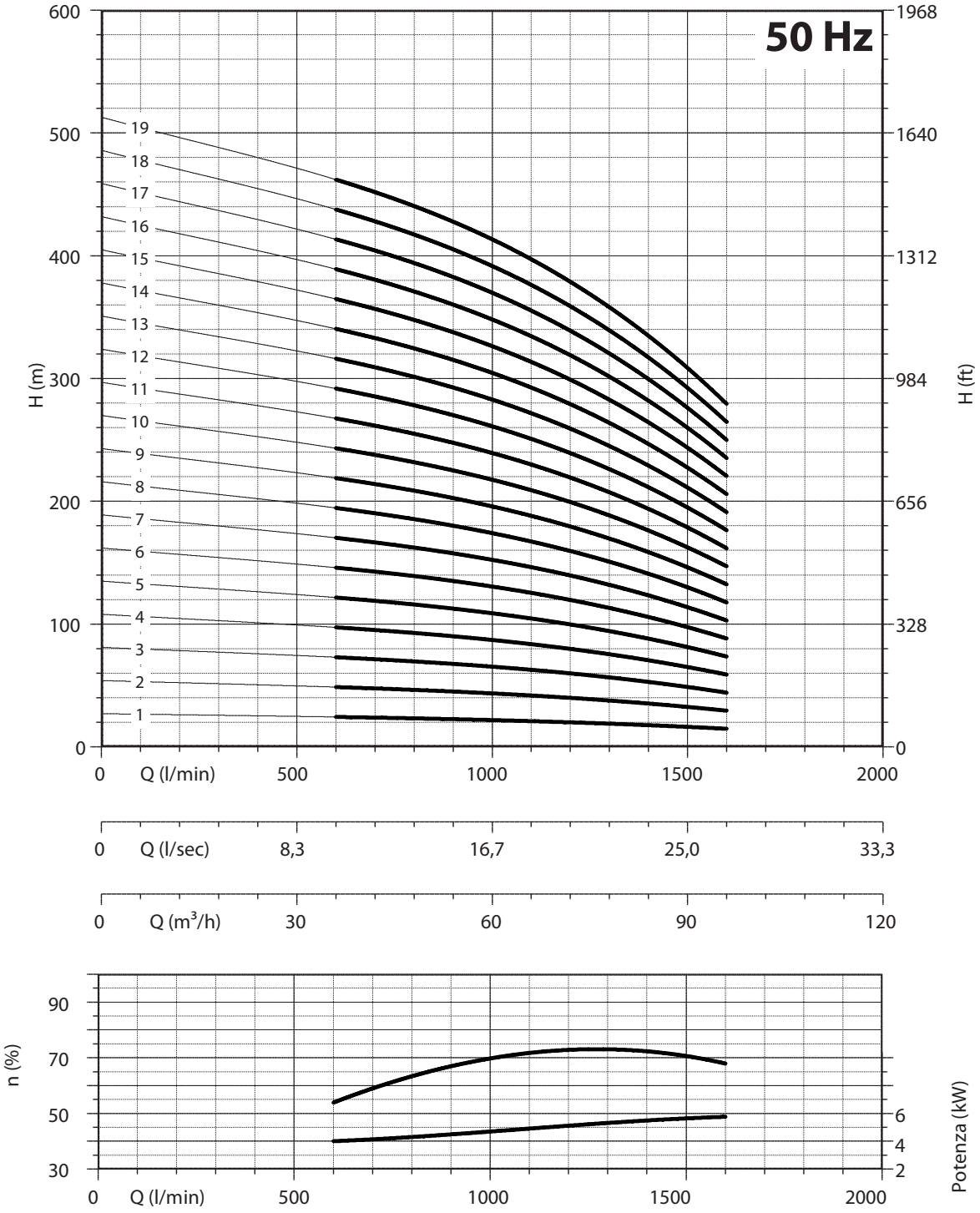
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSX 78

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
8” MSX 78	3	3	3,5	4,5

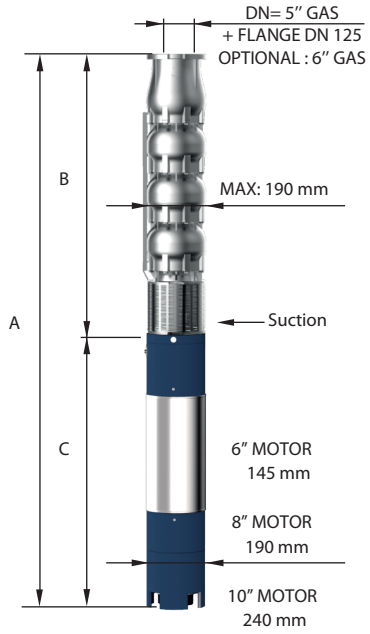
8” MSX 90

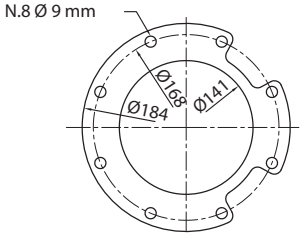
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	800	1000	1200	1400	1600	1800	2000
			l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33
			m³/h	0	48	60	72	84	96	108	120
8” MSX 90/01	7,50	10		27	24	23	22	20	18	16	13
8” MSX 90/02	13	17,5		54	49	47	44	40	36	31	25
8” MSX 90/03	22	30		81	73	70	65	60	54	47	38
8” MSX 90/04	26	35		108	97	93	87	80	71	62	50
8” MSX 90/05	37	50		135	121	116	109	101	89	78	63
8” MSX 90/06	44	60		162	146	140	131	121	107	93	76
8” MSX 90/07	44	60		189	170	163	152	141	125	109	88
8” MSX 90/08	55	75		216	194	186	174	161	143	124	101
8” MSX 90/09	66	90	H(m)	243	218	209	196	181	161	140	114
8” MSX 90/10	66	90		270	243	233	218	201	179	155	126
8” MSX 90/11	75	100		297	267	256	239	221	197	171	139
8” MSX 90/12	92	125		324	291	279	261	241	214	186	151
8” MSX 90/13	92	125		351	315	302	283	262	232	202	164
8” MSX 90/14	92	125		378	340	326	305	282	250	217	177
8” MSX 90/15	110	150		405	364	349	326	302	268	233	189
8” MSX 90/16	110	150		432	388	372	348	322	286	248	202
8” MSX 90/17	110	150		459	412	395	370	342	304	264	215





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSX 90/01	1226	525	701	55	19
8” MSX 90/02	1491	650	841	70	26
8” MSX 90/03	1846	775	1071	92	32
8” MSX 90/04	2081	900	1181	100	39
8” MSX 90/05	2366	1025	1341	118	45
8” MSX 90/06	2273	1150	1123	178	52
8” MSX 90/07	2398	1275	1123	178	58
8” MSX 90/08	2633	1400	1233	200	65
8” MSX 90/09	2828	1525	1303	214	71
8” MSX 90/10	2953	1650	1303	214	78
8” MSX 90/11	3158	1775	1383	230	84
8” MSX 90/12	3483	1900	1583	270	91
8” MSX 90/13	3608	2025	1583	270	97
8” MSX 90/14	3733	2150	1583	270	104
8” MSX 90/15	4008	2275	1733	300	110
8” MSX 90/16	4133	2400	1733	300	117
8” MSX 90/17	4258	2525	1733	300	123

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 6,47

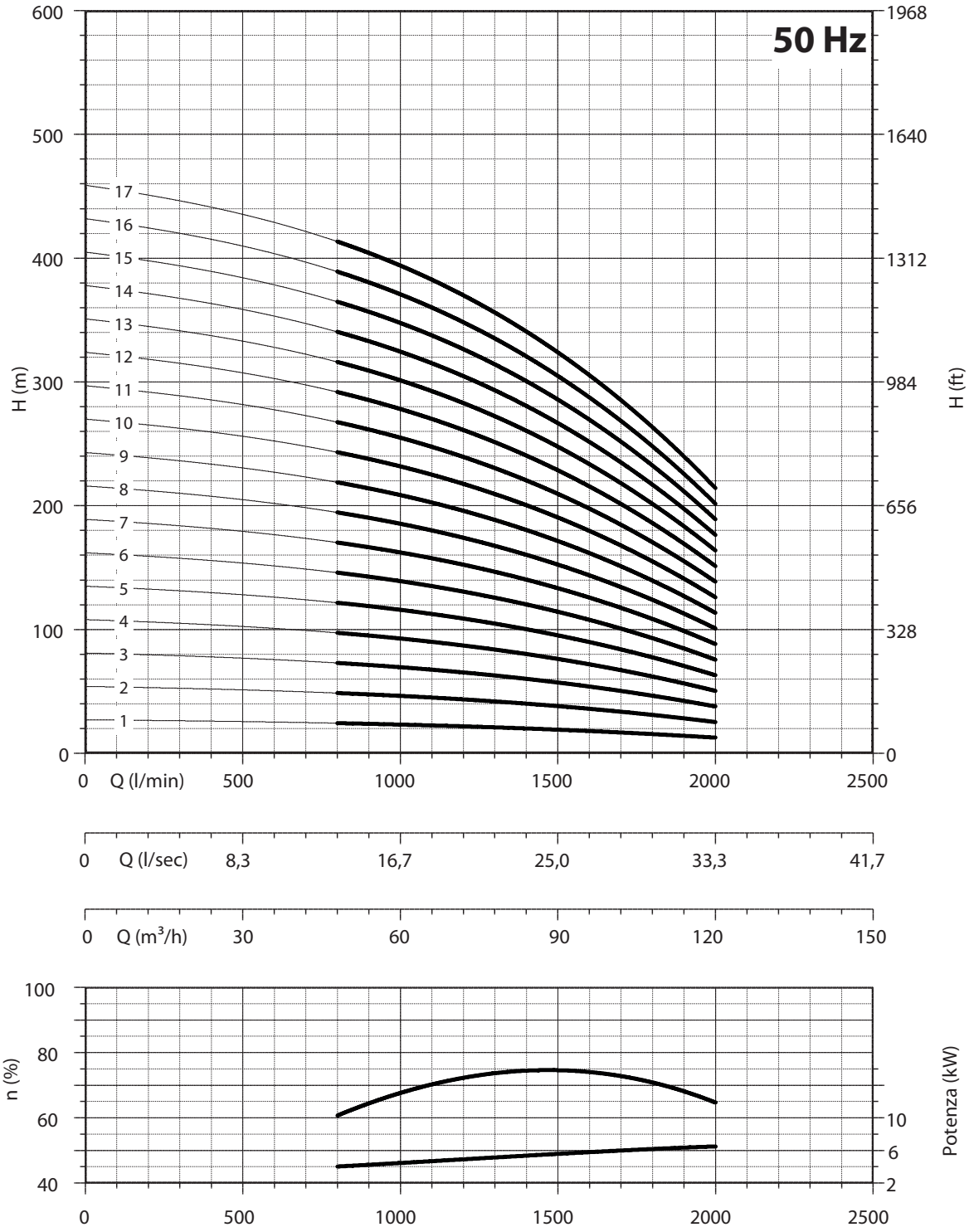
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSX 90

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
8” MSX 90	2,5	2,9	3,9	7,8

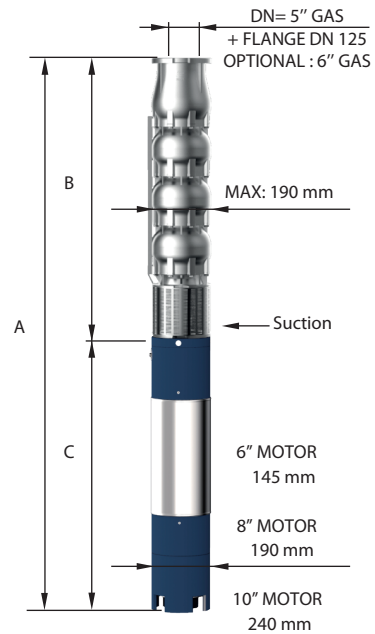
8” MSX 102

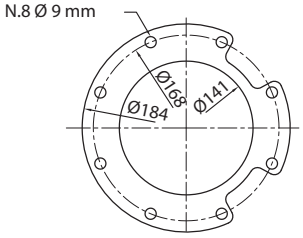
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	1000	1200	1400	1600	1800	2000	2200	2400
			l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40
	kW	HP	m³/h	0	60	72	84	96	108	120	132	144
8” MSX 102 /1	7,50	10		28	23	22	21	20	19	17	15	13
8” MSX 102 /2	15	20		55	45	44	42	41	38	35	31	26
8” MSX 102 /3	22	30		83	68	65	63	61	57	52	46	38
8” MSX 102 /4	30	40		110	90	87	84	82	76	69	62	51
8” MSX 102 /5	37	50		138	113	109	106	102	96	87	77	64
8” MSX 102 /6	44	60		165	135	131	127	122	115	104	92	77
8” MSX 102 /7	55	75		193	158	153	148	143	134	121	108	90
8” MSX 102 /8	66	90	H(m)	220	180	174	169	163	153	138	123	102
8” MSX 102 /9	66	90		248	203	196	190	184	172	156	139	115
8” MSX 102 /10	75	100		275	225	218	211	204	191	173	154	128
8” MSX 102 /11	92	125		303	248	240	232	224	210	190	169	141
8” MSX 102 /12	92	125		330	270	262	253	245	229	208	185	154
8” MSX 102 /13	110	150		358	293	283	274	265	248	225	200	166
8” MSX 102 /14	110	150		385	315	305	295	286	267	242	216	179
8” MSX 102 /15	110	150		413	338	327	317	306	287	260	231	192





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSX 102/1	1226	525	701	55	19
8” MSX 102/2	1581	650	931	75	26
8” MSX 102/3	1846	775	1071	92	33
8” MSX 102/4	2151	900	1251	108	40
8” MSX 102/5	2366	1025	1341	118	47
8” MSX 102/6	2273	1150	1123	178	53
8” MSX 102/7	2508	1275	1233	200	60
8” MSX 102/8	2703	1400	1303	214	67
8” MSX 102/9	2828	1525	1303	214	74
8” MSX 102/10	3033	1650	1383	230	81
8” MSX 102/11	3358	1775	1583	270	87
8” MSX 102/12	3483	1900	1583	270	94
8” MSX 102/13	3758	2025	1733	300	101
8” MSX 102/14	3883	2150	1733	300	108
8” MSX 102/15	4008	2275	1733	300	115

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 7,2

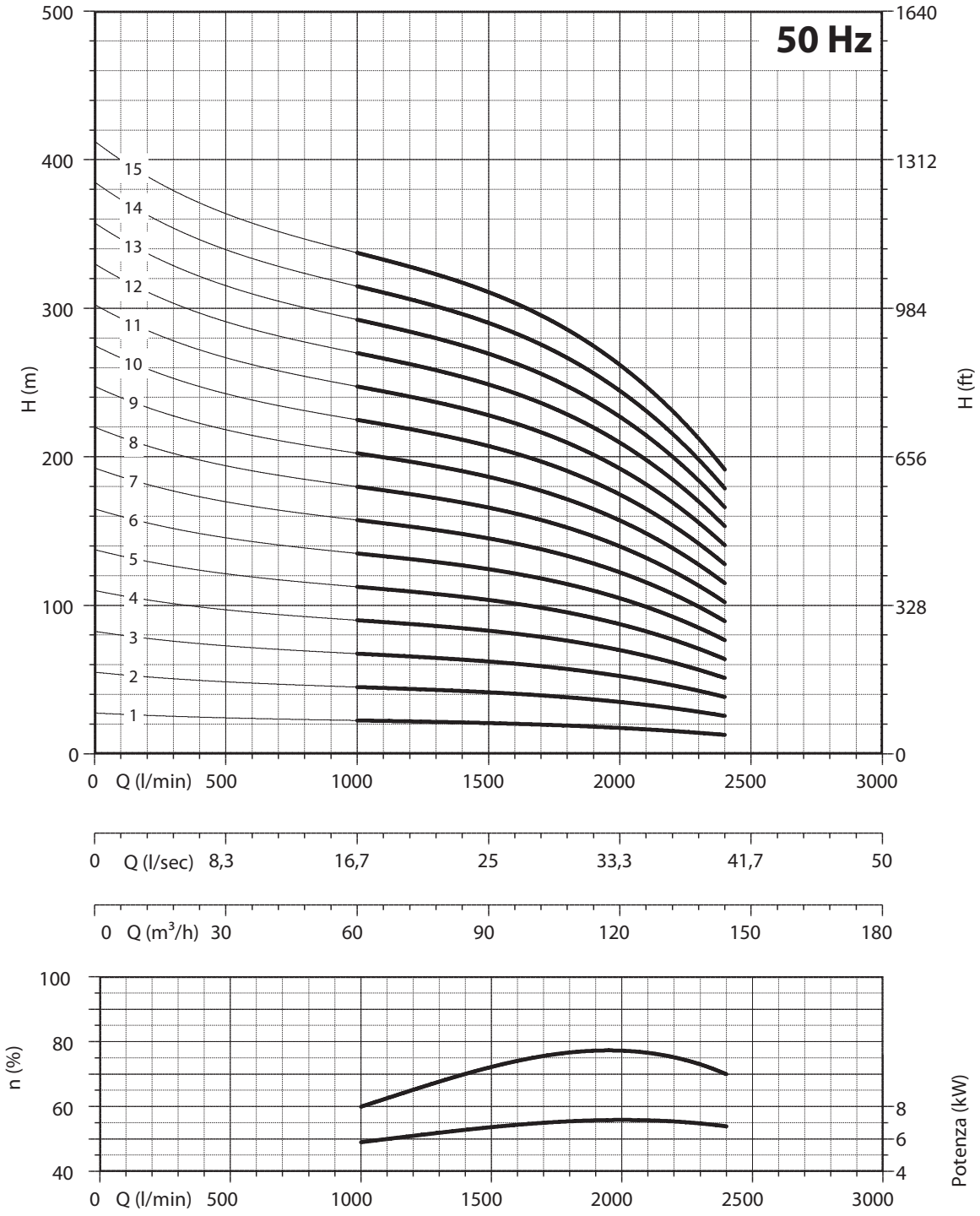
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSX 102

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
8” MSX 102	2,5	2,9	3,9	7,8

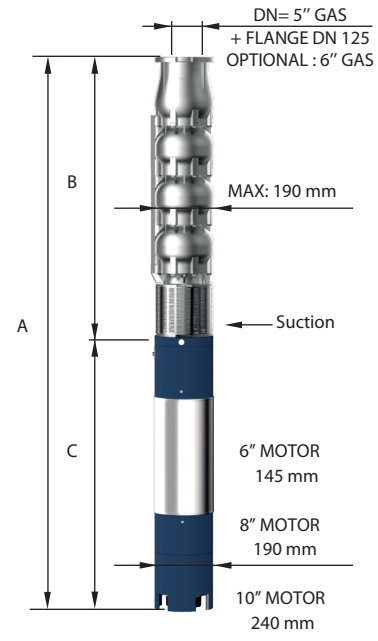
8” MSX 124

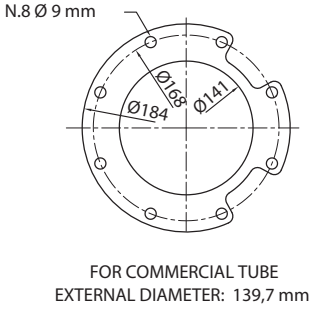
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	1200	1400	1600	1800	2000	2200	2400	2600	2800
			l/sec	0	20	23,33	26,67	30	33,33	36,67	40	43,33	46,67
	kW	HP	m³/h	0	72	84	96	108	120	132	144	156	168
8” MSX 124/1	9,20	12,5		27	23	22	21	20	19	18	16	15	12
8” MSX 124/2	18,50	25		54	45	43	41	40	38	36	33	29	24
8” MSX 124/3	26	35		81	68	65	62	59	57	54	49	44	36
8” MSX 124/4	37	50		108	90	86	83	79	76	72	66	58	48
8” MSX 124/5	44	60		135	113	108	104	99	95	90	82	73	60
8” MSX 124/6	55	75		162	135	129	124	119	114	108	98	87	72
8” MSX 124/7	66	90	H(m)	189	158	151	145	139	133	126	115	102	84
8” MSX 124/8	66	90		216	180	172	166	158	152	144	131	116	96
8” MSX 124/9	75	100		243	203	194	186	178	171	162	148	131	108
8” MSX 124/10	92	125		270	225	215	207	198	190	180	164	145	120
8” MSX 124/11	92	125		297	248	237	228	218	209	198	180	160	132
8” MSX 124/12	110	150		324	270	258	248	238	228	216	197	174	144
8” MSX 124/13	110	150		351	293	280	269	257	247	234	213	189	156





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSX 124/1	1276	525	751	60	20
8” MSX 124/2	1641	650	991	83	27
8” MSX 124/3	1956	775	1181	100	34
8” MSX 124/4	2241	900	1341	118	41
8” MSX 124/5	2148	1025	1123	178	48
8” MSX 124/6	2383	1150	1233	200	55
8” MSX 124/7	2578	1275	1303	214	62
8” MSX 124/8	2703	1400	1303	214	69
8” MSX 124/9	2908	1525	1383	230	76
8” MSX 124/10	3233	1650	1583	270	83
8” MSX 124/11	3358	1775	1583	270	90
8” MSX 124/12	3633	1900	1733	300	97
8” MSX 124/13	3758	2025	1733	300	104

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 8,4

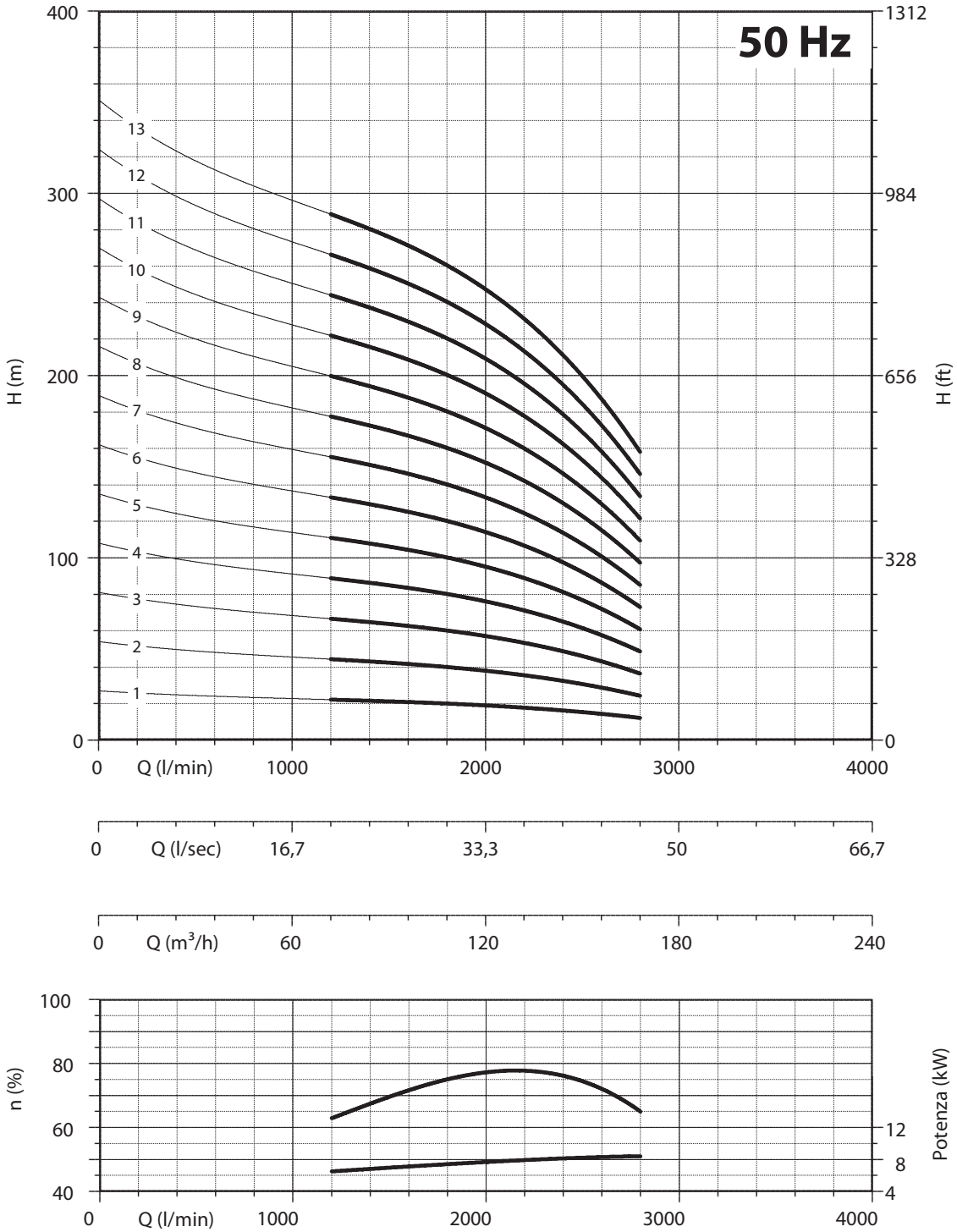
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSX 124

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
8” MSX 124	2,5	3	3,5	8,7

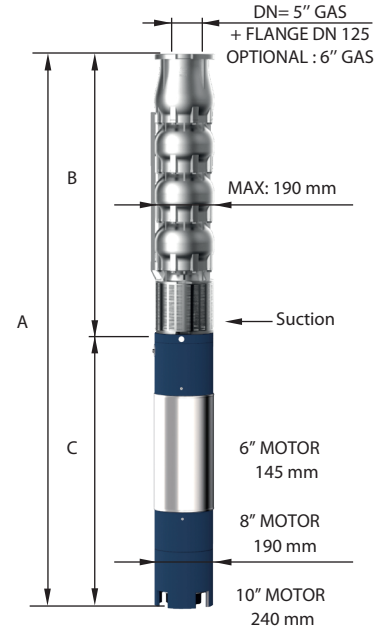
8” MSX 140

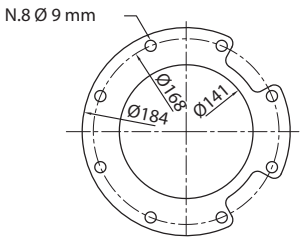
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	1600	1800	2000	2200	2400	2600	2800	3000	3200
			l/sec	0	26,67	30	33,33	36,67	40	43,33	46,67	50	53,33
	kW	HP	m³/h	0	96	108	120	132	144	156	168	180	192
8” MSX 140/1	9,20	12,5	H(m)	25	20	19	19	18	17	17	16	14	12
8” MSX 140/2	18,50	25		50	40	39	38	36	35	33	31	28	24
8” MSX 140/3	30	40		75	60	58	56	54	52	50	47	41	36
8” MSX 140/4	37	50		100	80	77	75	72	70	66	62	55	48
8” MSX 140/5	55	75		125	100	97	94	91	87	83	78	69	60
8” MSX 140/6	55	75		150	120	116	113	109	104	100	93	83	72
8” MSX 140/7	66	90		175	140	135	132	127	122	116	109	97	84
8” MSX 140/8	75	100		200	160	154	150	145	139	133	124	110	96
8” MSX 140/9	92	125		225	180	174	169	163	157	149	140	124	108
8” MSX 140/10	110	150		250	200	193	188	181	174	166	155	138	120
8” MSX 140/11	110	150		275	220	212	207	199	191	183	171	152	132
8” MSX 140/12	110	150		300	240	232	226	217	209	199	186	166	144





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MSX 140/1	1301	550	751	60	20
8” MSX 140/2	1691	700	991	83	28
8” MSX 140/3	2101	850	1251	108	35
8” MSX 140/4	2341	1000	1341	118	43
8” MSX 140/5	2383	1150	1233	200	50
8” MSX 140/6	2533	1300	1233	200	58
8” MSX 140/7	2753	1450	1303	214	65
8” MSX 140/8	2983	1600	1383	230	73
8” MSX 140/9	3333	1750	1583	270	80
8” MSX 140/10	3633	1900	1733	300	88
8” MSX 140/11	3783	2050	1733	300	95
8” MSX 140/12	3933	2200	1733	300	103

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 78,5 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 9,4

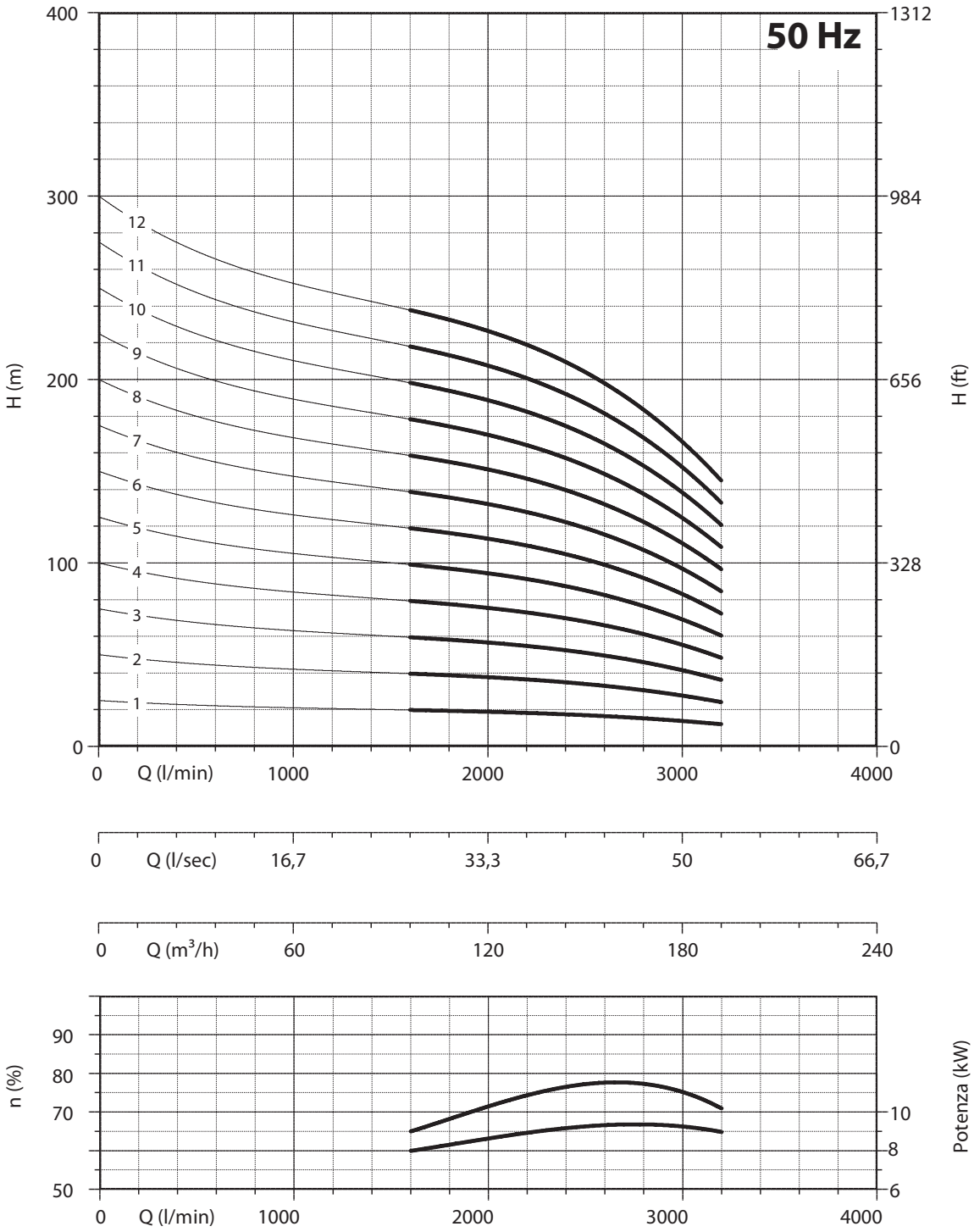
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSX 140

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
8” MSX 140	4	4,5	7	13

metro MADE IN ITALY

www.metropumps-italy.com

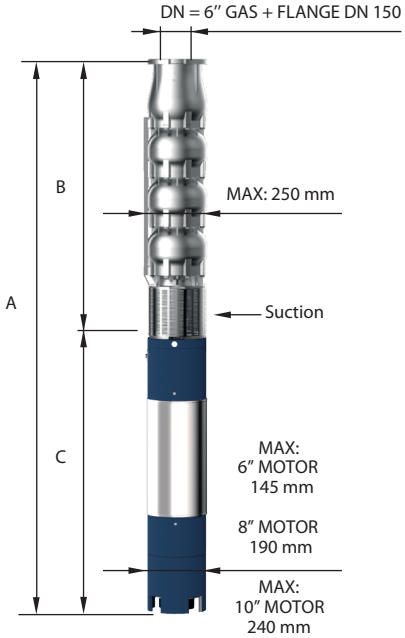
10” MSX 200

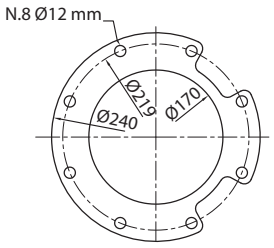
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	1800	2200	2600	3000	3400	3800	4000
			l/sec	0	30	36,67	43,33	50	56,67	63,33	66,67
			m³/h	0	108	132	156	180	204	228	240
10” MSX 200/1 DR 20	18,5	25	H(m)	35	32	30	27	24	21	16	14
10” MSX 200/1 DR 10	18,5	25		38	35	33	31	28	24	20	17
10” MSX 200/1	22	30		42	38	36	34	31	28	23	21
10” MSX 200/2 DR 20	37	50		69	63	60	55	49	41	33	28
10” MSX 200/2 DR 10	37	50		76	70	66	61	55	48	40	35
10” MSX 200/2	44	60		83	77	73	68	62	55	47	41
10” MSX 200/3 DR 20	55	75		104	95	89	82	73	62	49	42
10” MSX 200/3 DR 10	55	75		114	105	99	92	83	72	59	52
10” MSX 200/3	66	90		125	115	109	102	93	83	70	62
10” MSX 200/4 DR 20	66	90		138	126	119	110	98	82	66	56
10” MSX 200/4 DR 10	75	100		152	140	132	122	110	96	79	70
10” MSX 200/4	92	125		166	154	146	136	124	110	94	82
10” MSX 200/5 DR 20	92	125		173	158	149	137	122	103	82	70
10” MSX 200/5 DR 10	92	125		190	175	165	153	138	120	99	87
10” MSX 200/5	110	150		208	192	182	170	155	138	117	103





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSX 200/1 DR 20	1616	625	991	83	41
10” MSX 200/1 DR 10	1616	625	991	83	41
10” MSX 200/1	1696	625	1071	92	41
10” MSX 200/2 DR 20	2146	805	1341	118	56
10” MSX 200/2 DR 10	2146	805	1341	118	56
10” MSX 200/2	1928	805	1123	178	56
10” MSX 200/3 DR 20	2218	985	1233	200	72
10” MSX 200/3 DR 10	2218	985	1233	200	72
10” MSX 200/3	2288	985	1303	214	72
10” MSX 200/4 DR 20	2468	1165	1303	214	87
10” MSX 200/4 DR 10	2548	1165	1383	230	87
10” MSX 200/4	2748	1165	1583	270	87
10” MSX 200/5 DR 20	2928	1345	1583	270	103
10” MSX 200/5 DR 10	2928	1345	1583	270	103
10” MSX 200/5	3078	1345	1733	300	103

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 77% | **DR 10 Max 77,5%** | **DR 20 Max 76,5%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 20,8 | **DR 10 Max 18,5** | **DR 20 Max 16**

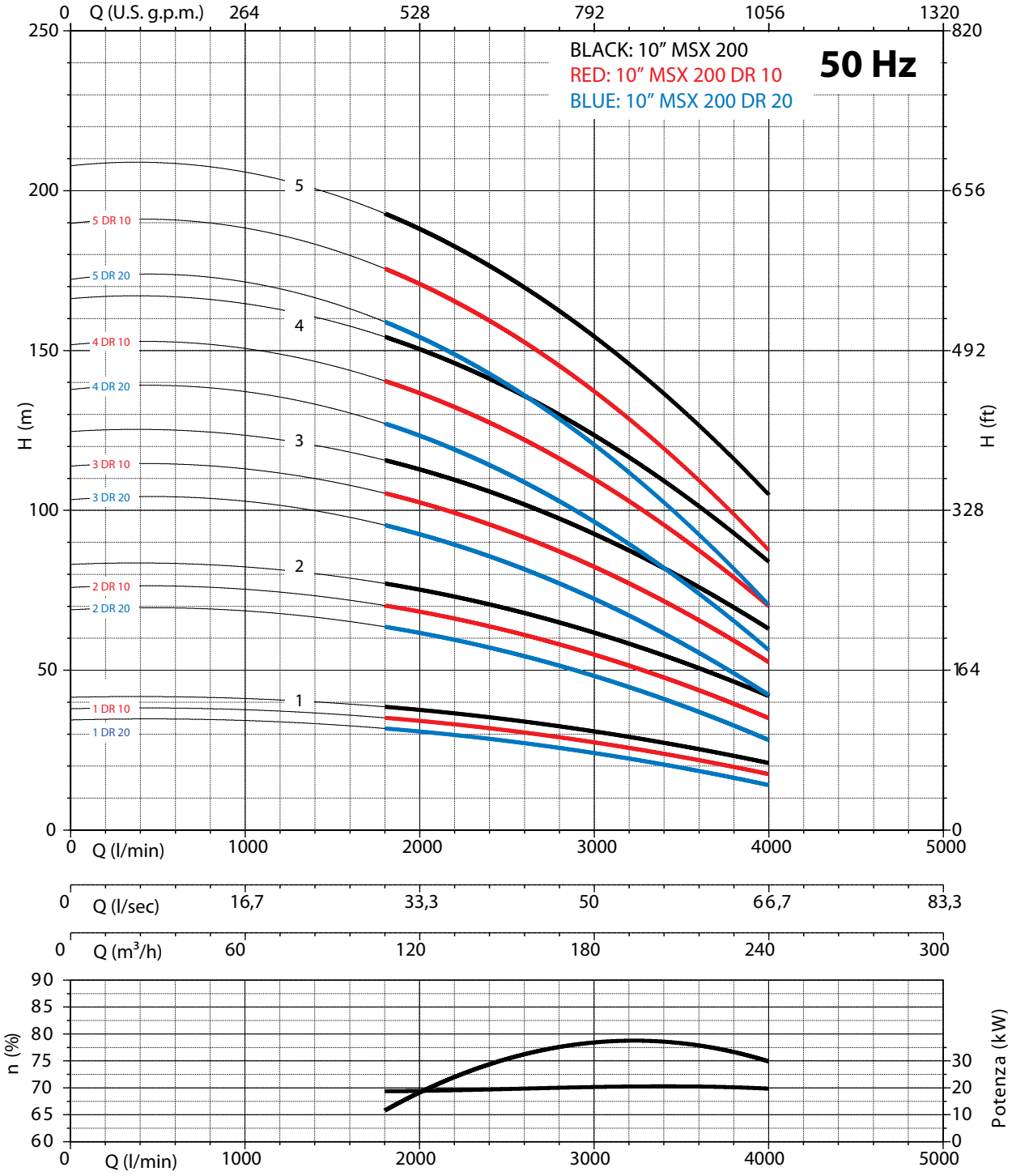
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSX 200

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
10” MSX 200	3,4	5	7,8	11,8

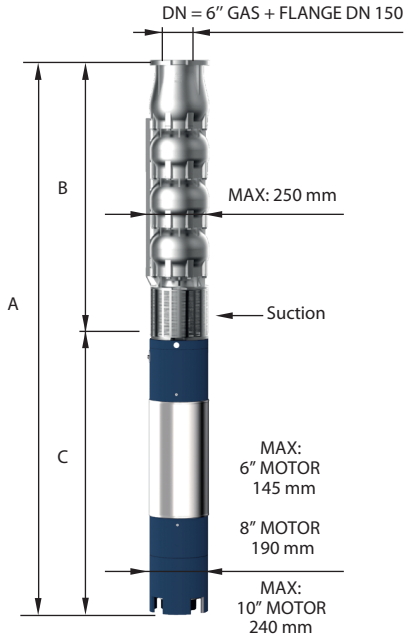
10” MSX 200

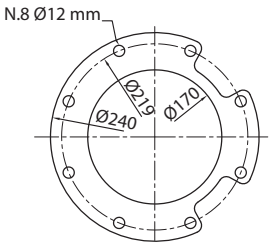
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	1800	2200	2600	3000	3400	3800	4000
				l/sec	0	30	36,67	43,33	50	56,67	63,33	66,67
				m³/h	0	108	132	156	180	204	228	240
10” MSX 200/6 DR 20	110	150	H(m)		208	190	179	164	146	124	98	84
10” MSX 200/6 DR 10	110	150			228	210	198	184	166	144	119	104
10” MSX 200/6	129	175			250	230	218	204	186	166	140	124
10” MSX 200/7 DR 20	110	150			242	221	209	192	171	144	115	98
10” MSX 200/7 DR 10	129	175			266	245	231	214	193	168	139	122
10” MSX 200/7	147	200			291	269	255	238	217	193	164	144
10” MSX 200/8 DR 20	129	175			277	253	238	219	195	165	131	112
10” MSX 200/8 DR 10	147	200			304	280	264	245	221	192	158	139
10” MSX 200/8	165	225			333	307	291	272	248	221	187	165
10” MSX 200/9 DR 20	147	200			311	284	268	247	220	185	148	126
10” MSX 200/9 DR 10	165	225			342	315	297	275	248	216	178	157
10” MSX 200/9	185	250			374	346	328	306	279	248	211	185





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSX 200/6 DR 20	3258	1525	1733	300	118
10” MSX 200/6 DR 10	3258	1525	1733	300	118
10” MSX 200/6	3159	1525	1634	385	118
10” MSX 200/7 DR 20	3438	1705	1733	300	134
10” MSX 200/7 DR 10	3339	1705	1634	385	134
10” MSX 200/7	3439	1705	1734	415	134
10” MSX 200/8 DR 20	3519	1885	1634	385	149
10” MSX 200/8 DR 10	3619	1885	1734	415	149
10” MSX 200/8	3739	1885	1854	444	149
10” MSX 200/9 DR 20	3799	2065	1734	415	165
10” MSX 200/9 DR 10	3919	2065	1854	444	165
10” MSX 200/9	4049	2065	1984	480	165

	Max	DR 10	DR 20
n% = Rendimento della pompa n% = Rendement de la pompe n% = Pump efficiency n% = Rendimiento de la bomba	**77%**	**Max 77,5%**	**Max 76,5%**
kW/st = Assorbimento per stadio kW/st = Absorption par étage kW/st = Stage absorption kW/st = Potencia absorbida por etapa	**Max 20,8**	**DR 10 Max 18,5**	**DR 20 Max 16**

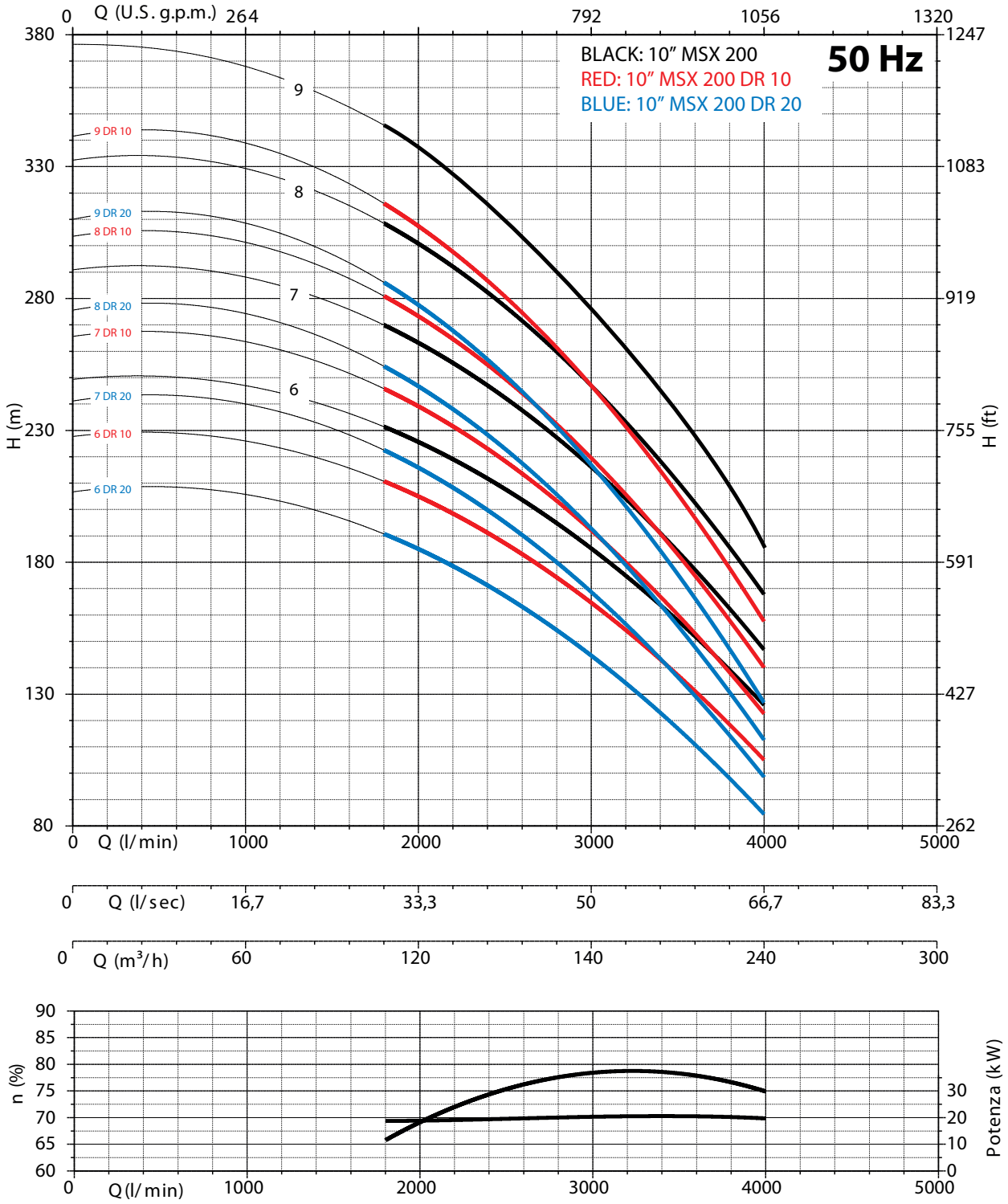
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSX 200

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
10” MSX 200	3,4	5	7,8	11,8

metro MADE IN ITALY

www.metropumps-italy.com

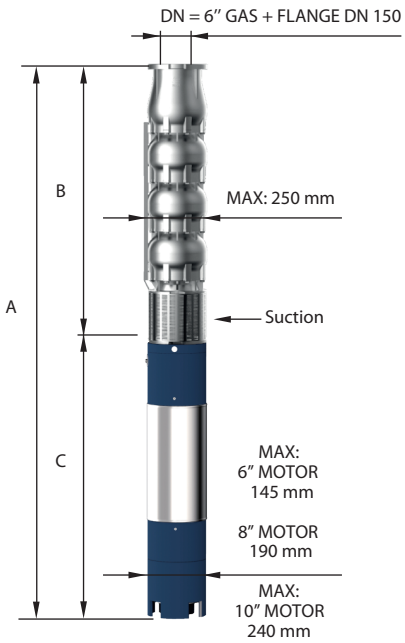
10” MSX 220

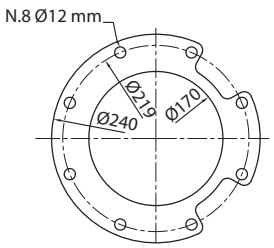
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	2200	2600	3000	3400	3800	4200	4600
			l/sec	0	36,67	43,33	50	56,67	63,33	70	76,67
			m³/h	0	132	156	180	204	228	252	276
10” MSX 220/1 DR 20	18,5	25		37	31	29	27	25	23	19	16
10” MSX 220/1 DR 10	22	30		40	34	33	31	29	26	23	20
10” MSX 220/1	22	30		44	38	36	34	32	30	26	23
10” MSX 220/2 DR 20	37	50		74	62	58	54	50	45	38	32
10” MSX 220/2 DR 10	44	60		81	68	65	61	57	52	46	39
10” MSX 220/2	44	60		88	75	72	68	64	59	53	46
10” MSX 220/3 DR 20	55	75		110	93	87	81	75	68	57	48
10” MSX 220/3 DR 10	66	90		121	102	98	92	86	78	68	59
10” MSX 220/3	75	100		131	113	108	102	96	89	79	69
10” MSX 220/4 DR 20	75	100		147	124	116	108	100	90	76	64
10” MSX 220/4 DR 10	92	125	H(m)	162	136	130	122	114	104	91	78
10” MSX 220/4	92	125		175	150	144	136	128	118	106	92
10” MSX 220/5 DR 20	92	125		184	155	145	135	125	113	95	80
10” MSX 220/5 DR 10	110	150		202	170	163	153	143	130	114	98
10” MSX 220/5	129	175		219	188	180	170	160	148	132	115
10” MSX 220/6 DR 20	110	150		221	186	174	162	150	136	114	96
10” MSX 220/6 DR 10	129	175		242	204	196	184	172	156	137	118
10” MSX 220/6	147	200		263	226	216	204	192	178	158	138
10” MSX 220/7 DR 20	129	175		258	217	203	189	175	158	133	112
10” MSX 220/7 DR 10	147	200		283	238	228	214	200	182	160	137
10” MSX 220/7	165	225		307	263	252	238	224	207	185	161





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSX 220/1 DR 20	1616	625	991	83	41
10” MSX 220/1 DR 10	1696	625	1071	92	41
10” MSX 220/1	1696	625	1071	92	41
10” MSX 220/2 DR 20	2146	805	1341	118	56
10” MSX 220/2 DR 10	1928	805	1123	178	56
10” MSX 220/2	1928	805	1123	178	56
10” MSX 220/3 DR 20	2218	985	1233	200	72
10” MSX 220/3 DR 10	2288	985	1303	214	72
10” MSX 220/3	2368	985	1383	230	72
10” MSX 220/4 DR 20	2548	1165	1383	230	87
10” MSX 220/4 DR 10	2748	1165	1583	270	87
10” MSX 220/4	2748	1165	1583	270	87
10” MSX 220/5 DR 20	2928	1345	1583	270	103
10” MSX 220/5 DR 10	3078	1345	1733	300	103
10” MSX 220/5	2979	1345	1634	385	103
10” MSX 220/6 DR 20	3258	1525	1733	300	118
10” MSX 220/6 DR 10	3159	1525	1634	385	118
10” MSX 220/6	3259	1525	1734	415	118
10” MSX 220/7 DR 20	3339	1705	1634	385	134
10” MSX 220/7 DR 10	3439	1705	1734	415	134
10” MSX 220/7	3559	1705	1854	444	134

	Max	DR 10	DR 20
n% = Rendimento della pompa n% = Rendement de la pompe n% = Pump efficiency n% = Rendimiento de la bomba	**79,2%**	**Max 79,5%**	**Max 78,4%**
kW/st = Assorbimento per stadio kW/st = Absorption par étage kW/st = Stage absorption kW/st = Potencia absorbida por etapa	**22,8**	**Max 19,5**	**Max 17,5**

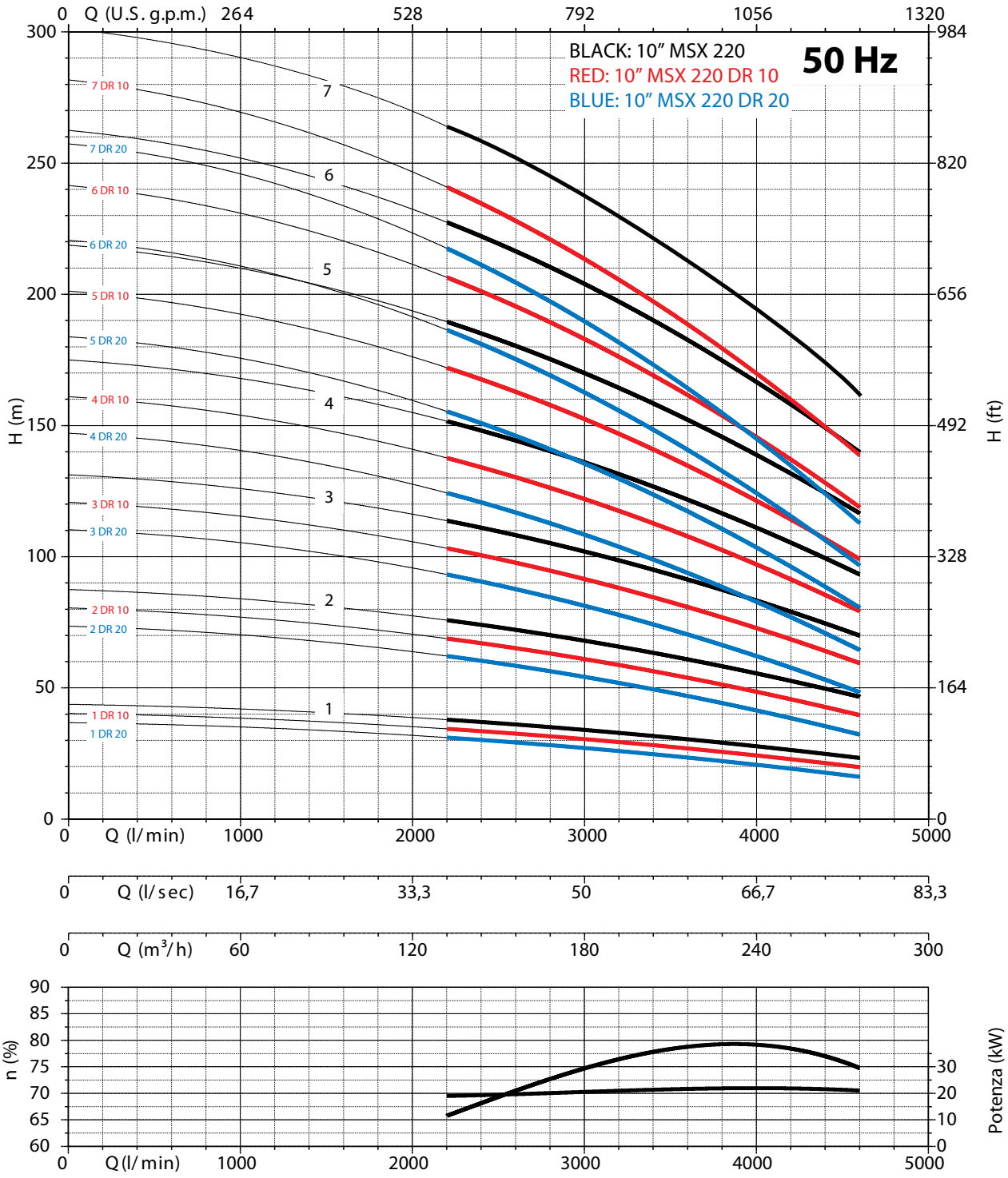
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSX 220

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
10” MSX 220	3,4	5	7,8	11,8

metro MADE IN ITALY

www.metropumps-italy.com

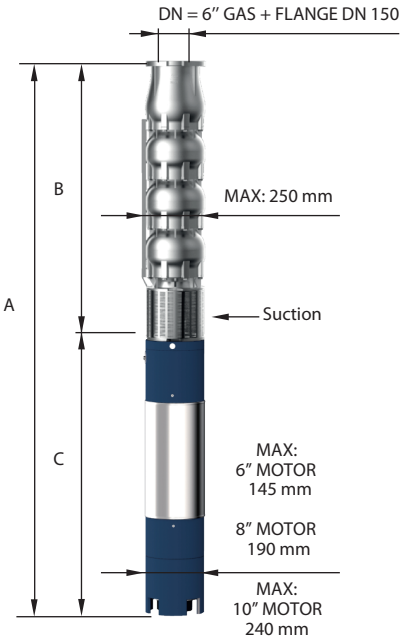
10” MSX 240

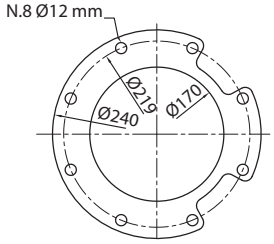
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP										
			l/min	0	2400	2800	3200	3600	4000	4400	4800	5000	5200
			l/sec	0	40	46,67	53,33	60	66,67	73,33	80	83,33	86,67
			m³/h	0	144	168	192	216	240	264	288	300	312
10” MSX 240/1 DR 20	18,5	25		31	29	28	27	25	23	21	18		
10” MSX 240/1 DR 10	22	30		36	33	32	31	29	27	24	22	20	
10” MSX 240/1	30	40		44	37	35	34	32	30	28	26	25	24
10” MSX 240/2 DR 20	37	50		62	58	56	54	50	46	42	36		
10” MSX 240/2 DR 10	44	60		72	66	64	62	58	54	48	44	40	
10” MSX 240/2	55	75		88	73	69	67	64	59	56	52	50	48
10” MSX 240/3 DR 20	55	75		94	88	85	81	76	70	63	53		
10” MSX 240/3 DR 10	66	90		107	100	97	93	86	80	73	65	59	
10” MSX 240/3	92	125		132	110	104	101	96	89	83	78	75	72
10” MSX 240/4 DR 20	75	100		125	117	113	108	101	93	84	71		
10” MSX 240/4 DR 10	92	125	H(m)	143	133	129	124	115	107	97	87	79	
10” MSX 240/4	110	150		176	146	138	134	128	118	111	104	100	96
10” MSX 240/5 DR 20	92	125		156	146	141	135	126	116	105	89		
10” MSX 240/5 DR 10	110	150		179	166	161	155	144	134	121	109	99	
10” MSX 240/5	147	200		220	183	173	168	160	148	139	130	125	120
10” MSX 240/6 DR 20	110	150		187	175	169	162	151	139	126	107		
10” MSX 240/6 DR 10	147	200		215	199	193	186	173	161	145	131	119	
10” MSX 240/6	165	225		264	220	208	202	192	178	167	156	150	144
10” MSX 240/7 DR 20	129	175		218	204	197	189	176	162	147	125		
10” MSX 240/7 DR 10	165	225		251	232	225	217	202	188	169	153	139	
10” MSX 240/7	220	300		308	256	242	235	224	207	195	182	175	168





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSX 240/1 DR 20	1616	625	991	83	41
10” MSX 240/1 DR 10	1696	625	1071	92	41
10” MSX 240/1	1876	625	1251	108	41
10” MSX 240/2 DR 20	2146	805	1341	118	56
10” MSX 240/2 DR 10	1928	805	1123	178	56
10” MSX 240/2	2038	805	1233	200	56
10” MSX 240/3 DR 20	2218	985	1233	200	72
10” MSX 240/3 DR 10	2288	985	1303	214	72
10” MSX 240/3	2568	985	1583	270	72
10” MSX 240/4 DR 20	2548	1165	1383	230	87
10” MSX 240/4 DR 10	2748	1165	1583	270	87
10” MSX 240/4	2898	1165	1733	300	87
10” MSX 240/5 DR 20	2928	1345	1583	270	103
10” MSX 240/5 DR 10	3078	1345	1733	300	103
10” MSX 240/5	3079	1345	1734	415	103
10” MSX 240/6 DR 20	3258	1525	1733	300	118
10” MSX 240/6 DR 10	3259	1525	1734	415	118
10” MSX 240/6	3379	1525	1854	444	118
10” MSX 240/7 DR 20	3339	1705	1634	385	134
10” MSX 240/7 DR 10	3559	1705	1854	444	134
10” MSX 240/7	0	1705	0	0	134

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 79,3% | **DR 10 Max 79,5%** | **DR 20 Max 79%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 27,5 | **DR 10 Max 22,5** | **DR 20 Max 18**

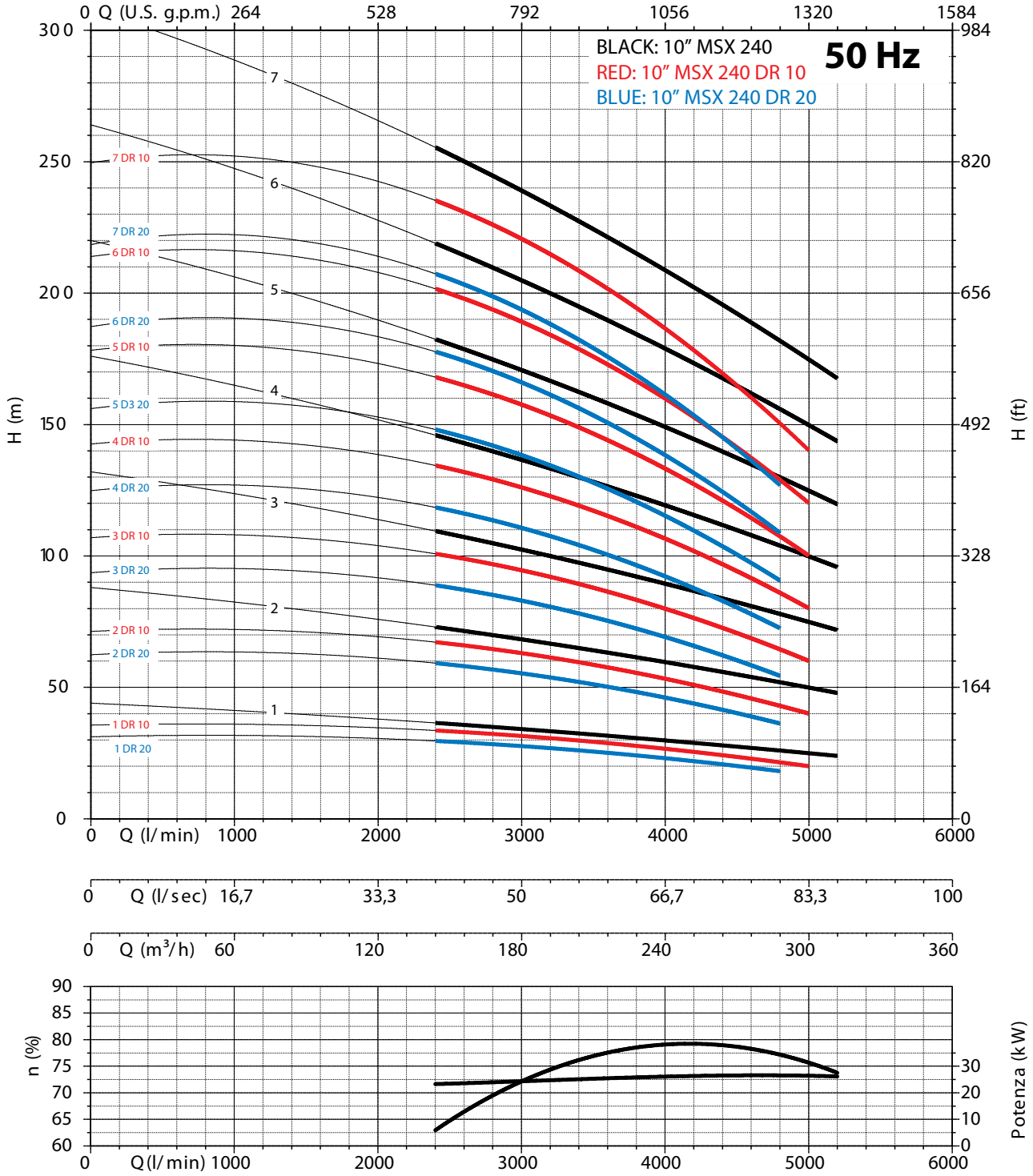
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSX 240

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
10” MSX 240	3,4	5	7,8	11,8

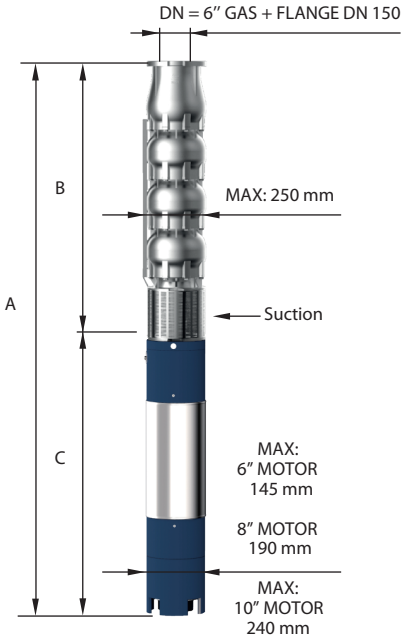
10” MSX 280

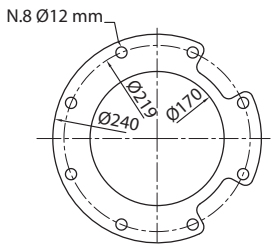
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP									
			l/min	0	3000	3400	3800	4200	4600	5000	5400	5800
			l/sec	0	50	56,67	63,33	70	76,67	83,33	90	96,67
			m³/h	0	180	204	228	252	276	300	324	348
10” MSX 280/1 DR 20	26	35		36	29	28	26	25	23	21	19	16
10” MSX 280/1 DR 10	30	40		41	33	32	31	29	27	26	24	21
10” MSX 280/1	37	50		45	38	37	35	34	32	30	28	25
10” MSX 280/2 DR 20	55	75		72	58	56	52	50	46	42	39	32
10” MSX 280/2 DR 10	66	90		82	67	65	62	59	55	52	48	42
10” MSX 280/2	66	90		90	75	73	70	67	63	60	56	50
10” MSX 280/3 DR 20	75	100		109	86	83	79	74	68	64	58	49
10” MSX 280/3 DR 10	92	125		122	100	97	92	88	82	77	72	62
10” MSX 280/3	110	150		135	113	110	105	101	95	90	85	75
10” MSX 280/4 DR 20	110	150		145	115	111	105	99	91	85	78	65
10” MSX 280/4 DR 10	129	175	H(m)	163	134	130	123	118	110	103	96	83
10” MSX 280/4	129	175		180	150	146	140	134	126	120	113	100
10” MSX 280/5 DR 20	129	175		181	144	139	131	124	114	106	97	81
10” MSX 280/5 DR 10	147	200		204	167	162	154	147	137	129	120	104
10” MSX 280/5	165	225		225	188	183	175	168	158	150	141	125
10” MSX 280/6 DR 20	147	200		217	173	167	157	149	137	127	116	97
10” MSX 280/6 DR 10	185	250		245	200	194	185	176	164	155	144	125
10” MSX 280/6	220	300		270	226	220	210	202	190	180	169	150
10” MSX 280/7 DR 20	185	250		253	202	195	183	174	160	148	136	113
10” MSX 280/7 DR 10	220	300		286	234	227	216	206	192	181	168	146
10” MSX 280/7	250	340		315	263	256	245	235	221	210	197	175





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSX 280/1 DR 20	1806	625	1181	100	41
10” MSX 280/1 DR 10	1876	625	1251	108	41
10” MSX 280/1	1996	625	1341	118	41
10” MSX 280/2 DR 20	2038	805	1233	200	56
10” MSX 280/2 DR 10	2108	805	1303	214	56
10” MSX 280/2	2108	805	1303	214	56
10” MSX 280/3 DR 20	2368	985	1383	230	72
10” MSX 280/3 DR 10	2568	985	1583	270	72
10” MSX 280/3	2718	985	1733	300	72
10” MSX 280/4 DR 20	2898	1165	1733	300	87
10” MSX 280/4 DR 10	2799	1165	1634	385	87
10” MSX 280/4	2799	1165	1634	385	87
10” MSX 280/5 DR 20	2979	1345	1634	385	103
10” MSX 280/5 DR 10	3079	1345	1734	415	103
10” MSX 280/5	3199	1345	1854	444	103
10” MSX 280/6 DR 20	3259	1525	1734	415	118
10” MSX 280/6 DR 10	3509	1525	1984	480	118
10” MSX 280/6	0	1525	0	0	118
10” MSX 280/7 DR 20	3689	1705	1984	480	134
10” MSX 280/7 DR 10	0	1705	0	0	134
10” MSX 280/7	0	1705	0	0	134

	Max	DR 10	DR 20
n% = Rendimento della pompa n% = Rendement de la pompe n% = Pump efficiency n% = Rendimiento de la bomba	**76,5%**	**Max 77,2%**	**Max 76,1%**
kW/st = Assorbimento per stadio kW/st = Absorption par étage kW/st = Stage absorption kW/st = Potencia absorbida por etapa	**33**	**Max 29**	**Max 25**

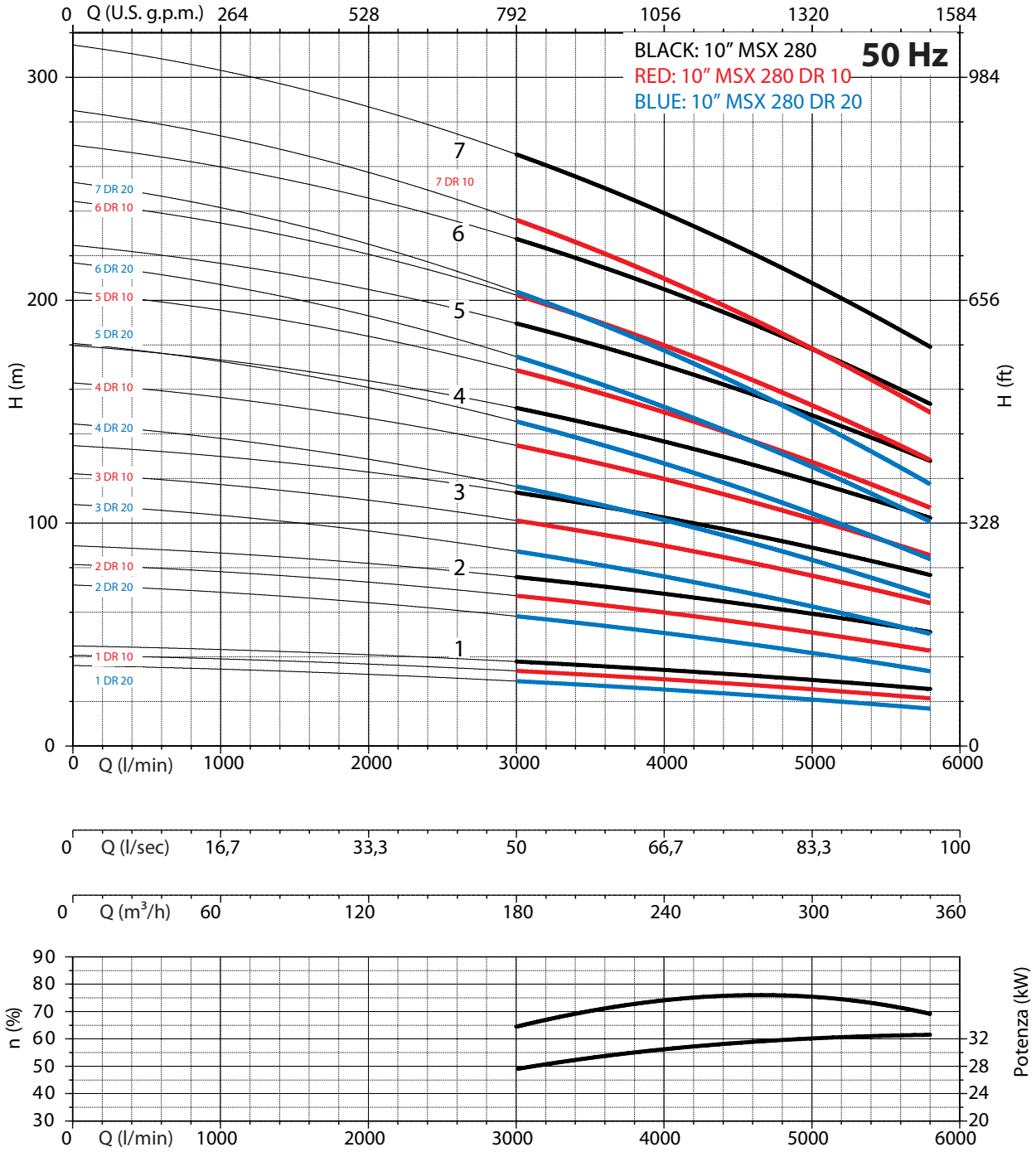
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSX 280

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
10” MSX 280	3,4	5	7,8	11,8

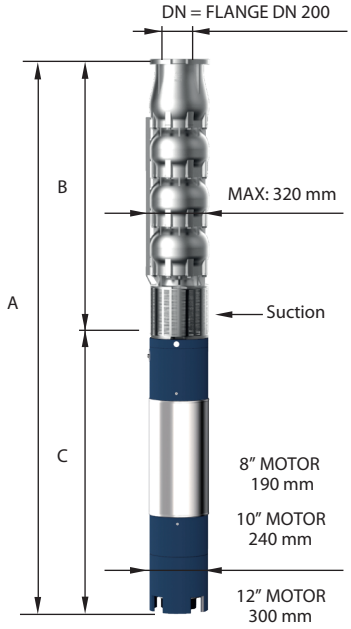
12” MSX 370

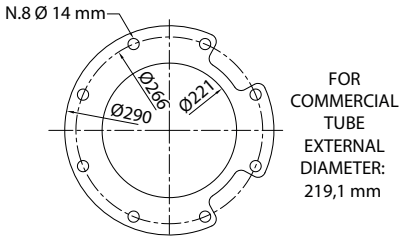
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	3000	3500	4000	4500	5000	5500	6000	6500	7000
				l/sec	0	50	58,33	66,67	75	83,33	91,67	100	108,33	116,67
				m³/h	0	180	210	240	270	300	330	360	390	420
12” MSX 370/1 DR 35	37	50	H(m)		41	38	37	37	35	33	32	29		
12” MSX 370/1 DR 26	44	60			46	45	44	43	42	39	38	36	34	
12” MSX 370/1 DR 20	55	75			49	48	47	47	45	44	42	40	38	34
12” MSX 370/1 DR 10	55	75			55	52	52	51	50	48	47	44	42	40
12” MSX 370/1	66	90			62	56	55	55	53	52	52	50	47	42
12” MSX 370/2 DR 35	75	100			82	76	74	73	70	66	63	57		
12” MSX 370/2 DR 26	92	125			92	89	88	86	84	78	75	72	68	
12” MSX 370/2 DR 20	110	150			98	95	94	93	90	87	84	80	75	68
12” MSX 370/2 DR 10	110	150			110	104	103	101	99	96	93	88	84	80
12” MSX 370/2	129	175			124	112	110	109	106	104	103	100	93	84





DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
12” MSX 370/1 DR 35	1813	770	1043	160	79
12” MSX 370/1 DR 26	1893	770	1123	178	79
12” MSX 370/1 DR 20	2003	770	1233	200	79
12” MSX 370/1 DR 10	2003	770	1233	200	79
12” MSX 370/1	2073	770	1303	214	79
12” MSX 370/2 DR 35	2383	1000	1383	230	104
12” MSX 370/2 DR 26	2583	1000	1583	270	104
12” MSX 370/2 DR 20	2733	1000	1733	300	104
12” MSX 370/2 DR 10	2504	1000	1504	350	104
12” MSX 370/2	2634	1000	1634	385	104

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max	DR 10	DR 20	DR 26	DR 35
81%	**Max 80,5%**	**Max 80%**	**Max 78,5%**	**Max 77,5%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max	DR 10	DR 20	DR 26	DR 35
64,2	**Max 55,2**	**Max 49,5**	**Max 44,1**	**Max 36,8**

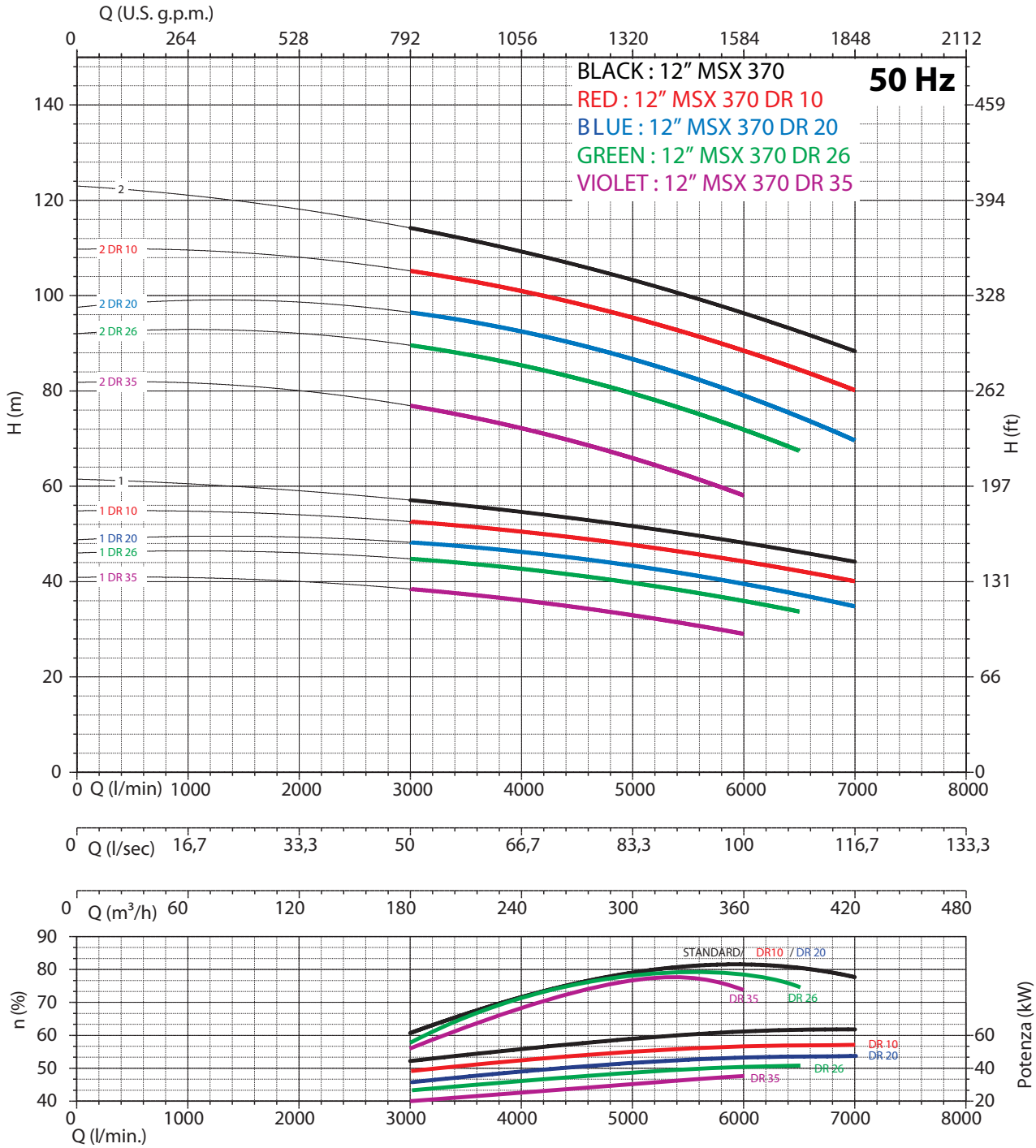
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

12” MSX 370

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
12” MSX 370	3,4	5	7,8	11,8

metro MADE IN ITALY

www.metropumps-italy.com

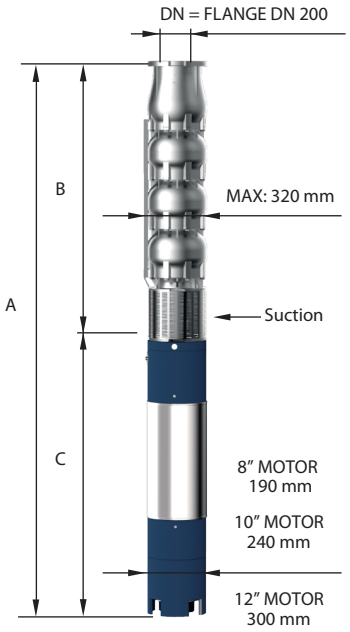
12” MSX 370

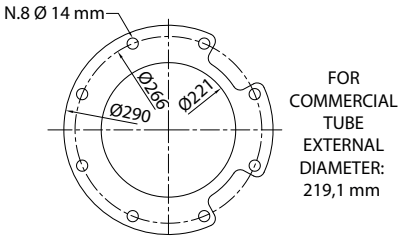
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	3000	3500	4000	4500	5000	5500	6000	6500	7000
				l/sec	0	50	58,33	66,67	75	83,33	91,67	100	108,33	116,67
				m³/h	0	180	210	240	270	300	330	360	390	420
12” MSX 370/3 DR 35	110	150			123	114	111	110	105	99	95	86		
12” MSX 370/3 DR 26	129	175			138	134	132	129	126	117	113	108	102	
12” MSX 370/3 DR 20	147	200			147	143	141	140	135	131	126	120	113	102
12” MSX 370/3 DR 10	165	225			165	156	155	152	149	144	140	132	126	120
12” MSX 370/3	220	300			186	168	165	164	159	156	155	150	140	126
12” MSX 370/4 DR 35	147	200			164	152	148	146	140	132	126	114		
12” MSX 370/4 DR 26	185	250			184	178	176	172	168	156	150	144	136	
12” MSX 370/4 DR 20	220	300		H(m)	196	190	188	186	180	174	168	160	150	136
12” MSX 370/4 DR 10	220	300			220	208	206	202	198	192	186	176	168	160
12” MSX 370/4	250	340			248	224	220	218	212	208	206	200	186	168
12” MSX 370/5 DR 35	185	250			205	190	185	183	175	165	158	143		
12” MSX 370/5 DR 26	220	300			230	223	220	215	210	195	188	180	170	
12” MSX 370/5 DR 20	250	340			245	238	235	233	225	218	210	200	188	170
12” MSX 370/5 DR 10	300	408			275	260	258	253	248	240	233	220	210	200
12” MSX 370/5	350	475			310	280	275	273	265	260	258	250	233	210





DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
12” MSX 370/3 DR 35	2963	1230	1733	300	129
12” MSX 370/3 DR 26	2864	1230	1634	385	129
12” MSX 370/3 DR 20	2964	1230	1734	415	129
12” MSX 370/3 DR 10	3084	1230	1854	444	129
12” MSX 370/3	3123	1230	1893	663	129
12” MSX 370/4 DR 35	3194	1460	1734	415	154
12” MSX 370/4 DR 26	3444	1460	1984	480	154
12” MSX 370/4 DR 20	0	1460	0	0	154
12” MSX 370/4 DR 10	0	1460	0	0	154
12” MSX 370/4	0	1460	0	0	154
12” MSX 370/5 DR 35	3674	1690	1984	480	179
12” MSX 370/5 DR 26	0	1690	0	0	179
12” MSX 370/5 DR 20	0	1690	0	0	179
12” MSX 370/5 DR 10	0	1690	0	0	179
12” MSX 370/5	0	1690	0	0	179

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max	DR 10	DR 20	DR 26	DR 35
81%	**Max 80,5%**	**Max 80%**	**Max 78,5%**	**Max 77,5%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max	DR 10	DR 20	DR 26	DR 35
64,2	**Max 55,2**	**Max 49,5**	**Max 44,1**	**Max 36,8**

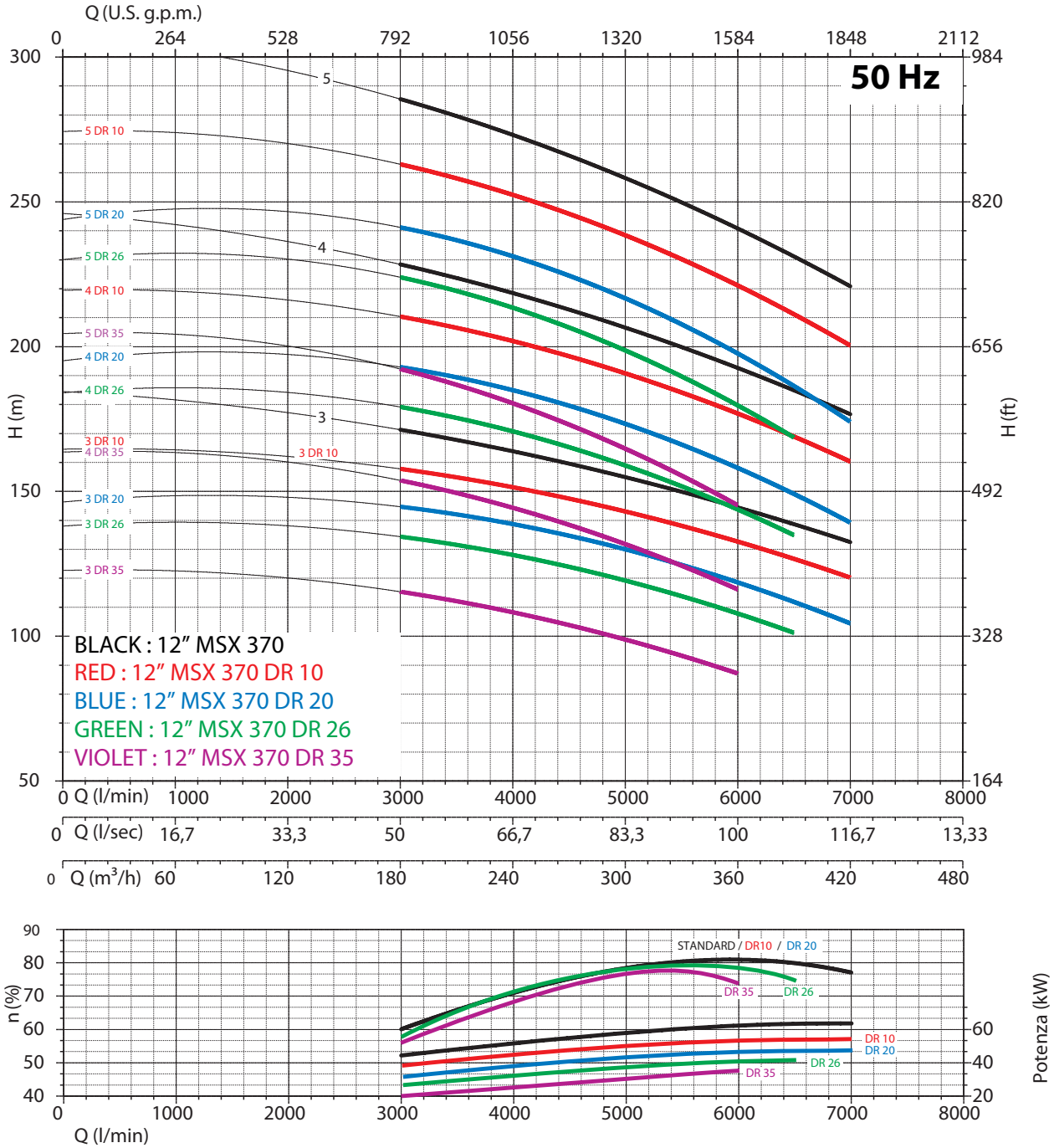
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

12” MSX 370

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
12” MSX 370	3,4	5	7,8	11,8

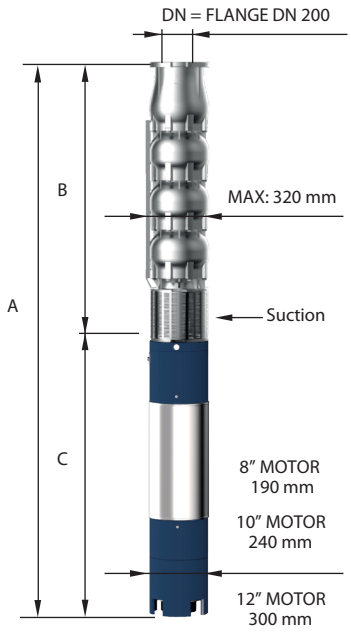
12” MSX 440

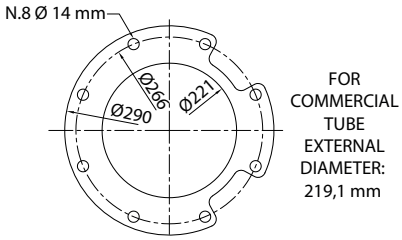
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
				l/sec	0	66,67	75	83,33	91,67	100	108,33	116,67	25	133,33	141,67	150
				m³/h	0	240	270	300	330	360	390	420	450	480	510	540
12” MSX 440/1 DR 30	37	50	H(m)		43	39	38	36	34	32	30	27	24			
12” MSX 440/1 DR 20	44	60			47	44	43	41	39	37	35	33	30	26	22	
12” MSX 440/1 DR 10	55	75			53	50	48	46	44	42	40	38	36	32	28	
12” MSX 440/1	66	90			58	54	52	50	48	46	44	42	40	37	31	27
12” MSX 440 A/1	66	90			61	57	54	53	52	50	48	46	44	41	39	32
12” MSX 440/2 DR 30	75	100			86	78	76	72	68	64	60	54	48			
12” MSX 440/2 DR 20	92	125			94	88	86	82	77	73	69	65	59	52	44	
12” MSX 440/2 DR 10	110	150			106	100	96	92	88	84	80	76	71	64	56	
12” MSX 440/2	129	175			116	108	104	100	96	92	88	84	80	73	62	54
12” MSX 440 A/2	147	200			122	114	108	106	104	100	96	92	89	82	78	64





DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
12” MSX 440/1 DR 30	1813	770	1043	160	79
12” MSX 440/1 DR 20	1893	770	1123	178	79
12” MSX 440/1 DR 10	2003	770	1233	200	79
12” MSX 440/1	2073	770	1303	214	79
12” MSX 440 A/1	2073	770	1303	214	79
12” MSX 440/2 DR 30	2383	1000	1383	230	104
12” MSX 440/2 DR 20	2583	1000	1583	270	104
12” MSX 440/2 DR 10	2733	1000	1733	300	104
12” MSX 440/2	2634	1000	1634	385	104
12” MSX 440 A/2	2734	1000	1734	415	104

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

440 A	440	440 DR 10	440 DR 20	440 DR 30
Max 81,6%	**Max 81,6%**	**Max 82,7%**	**Max 81,8%**	**Max 81,2%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

440 A	440	440 DR 10	440 DR 20	440 DR 30
Max 67	**Max 60,4**	**Max 53**	**Max 45,6**	**Max 37**

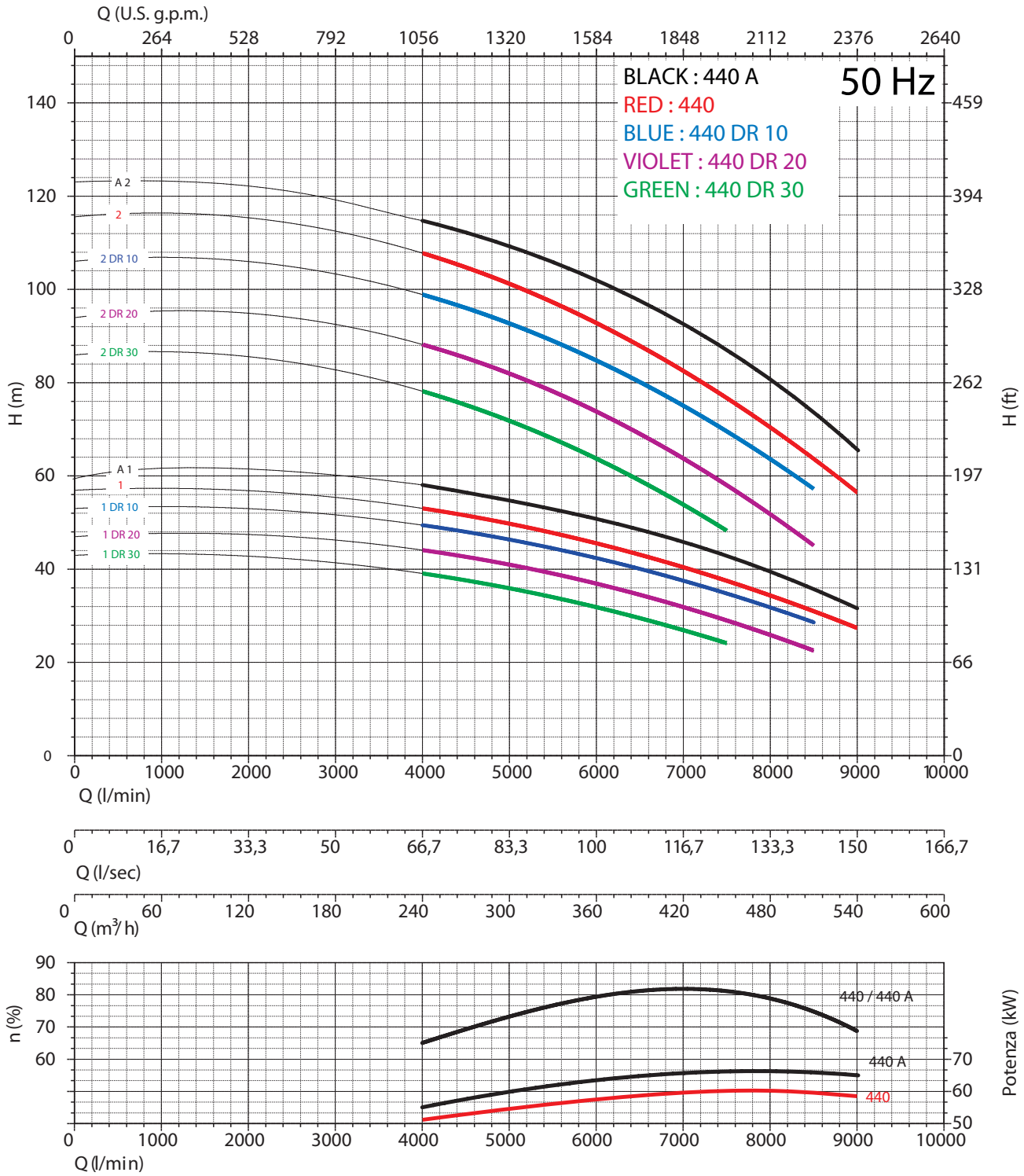
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

12” MSX 440

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
12” MSX 440	3,4	5	7,8	11,8

metro MADE IN ITALY

www.metropumps-italy.com

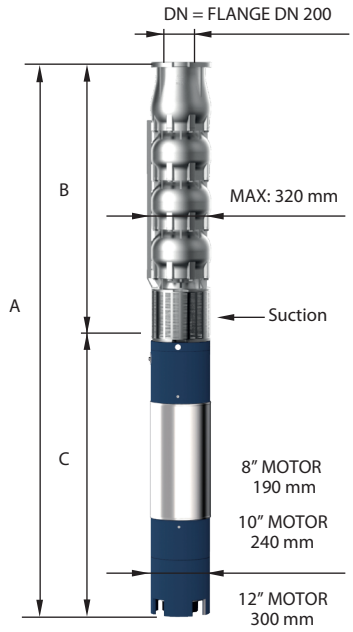
12” MSX 440

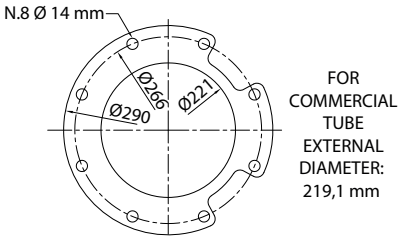
Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
				l/sec	0	66,67	75	83,33	91,67	100	108,33	116,67	25	133,33	141,67	150
				m³/h	0	240	270	300	330	360	390	420	450	480	510	540
12” MSX 440/3 DR 30	129	175			129	117	113	108	102	96	89	81	72			
12” MSX 440/3 DR 20	147	200			141	132	129	123	116	110	104	98	89	78	66	
12” MSX 440/3 DR 10	165	225			159	150	144	138	132	126	120	114	107	96	84	
12” MSX 440/3	185	250			174	162	156	150	144	138	132	126	120	110	93	81
12” MSX 440 A/3	220	300			183	171	162	159	156	150	144	138	134	123	117	96
12” MSX 440/4 DR 30	165	225			172	156	150	144	136	128	118	108	96			
12” MSX 440/4 DR 20	185	250			188	176	172	164	154	146	138	130	118	104	88	
12” MSX 440/4 DR 10	220	300		H(m)	212	200	192	184	176	168	160	152	142	128	112	
12” MSX 440/4	250	340			232	216	208	200	192	184	176	168	160	146	124	108
12” MSX 440 A/4	300	408			244	228	216	212	208	200	192	184	178	164	156	128
12” MSX 440/5 DR 30	220	300			215	195	188	180	170	160	148	135	120			
12” MSX 440/5 DR 20	250	340			235	220	215	205	193	183	173	163	148	130	110	
12” MSX 440/5 DR 10	300	408			265	250	240	230	220	210	200	190	178	160	140	
12” MSX 440/5	300	408			290	270	260	250	240	230	220	210	200	183	155	135
12” MSX 440 A/5	350	475			305	285	270	265	260	250	240	230	223	205	195	160





DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
12” MSX 440/3 DR 30	2864	1230	1634	385	129
12” MSX 440/3 DR 20	2964	1230	1734	415	129
12” MSX 440/3 DR 10	3084	1230	1854	444	129
12” MSX 440/3	3214	1230	1984	480	129
12” MSX 440 A/3	0	1230	0	0	129
12” MSX 440/4 DR 30	3314	1460	1854	444	154
12” MSX 440/4 DR 20	3444	1460	1984	480	154
12” MSX 440/4 DR 10	0	1460	0	0	154
12” MSX 440/4	0	1460	0	0	154
12” MSX 440 A/4	0	1460	0	0	154
12” MSX 440/5 DR 30	0	1690	0	0	179
12” MSX 440/5 DR 20	0	1690	0	0	179
12” MSX 440/5 DR 10	0	1690	0	0	179
12” MSX 440/5	0	1690	0	0	179
12” MSX 440 A/5	0	1690	0	0	179

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

440 A	440	440 DR 10	440 DR 20	440 DR 30
Max 81,6%	**Max 81,6%**	**Max 82,7%**	**Max 81,8%**	**Max 81,2%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

440 A	440	440 DR 10	440 DR 20	440 DR 30
Max 67	**Max 60,4**	**Max 53**	**Max 45,6**	**Max 37**

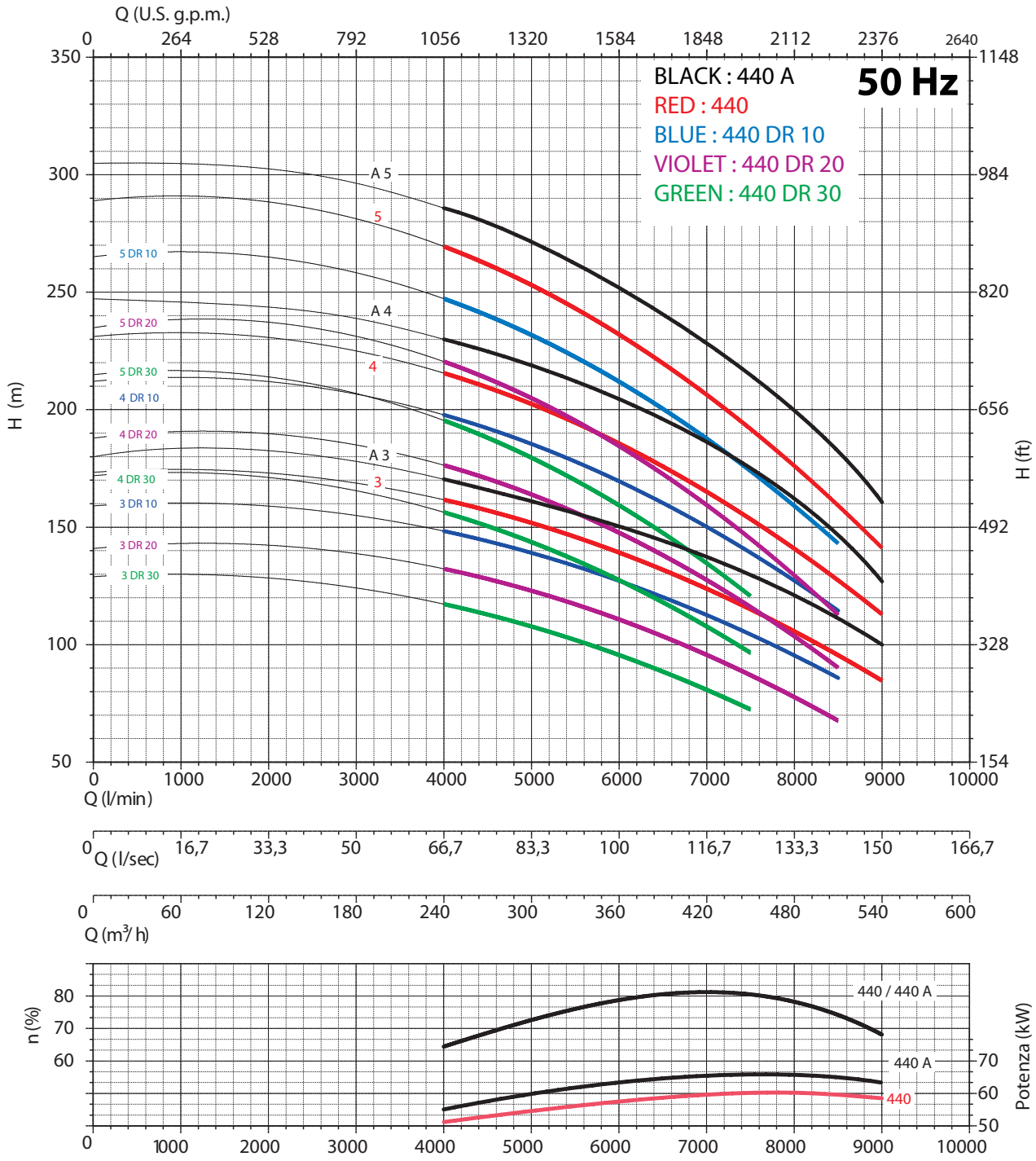
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

12” MSX 440

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



NPSH (m)	25%	50%	75%	100%
12” MSX 440	3,4	5	7,8	11,8

metro MADE IN ITALY

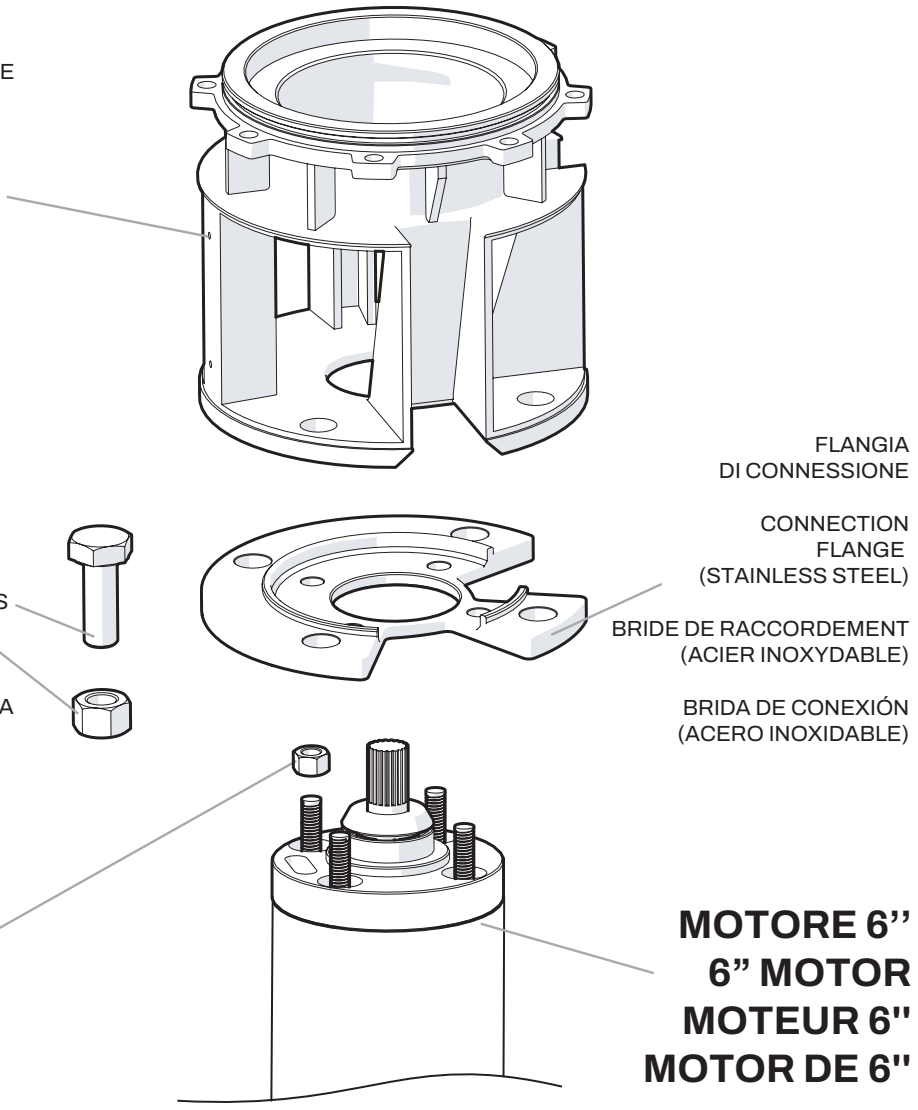
www.metropumps-italy.com

10” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

Casted

POMPA 10” ACCOPPIATA A MOTORE 6”
10’’ PUMP COUPLING WITH 6’’ MOTOR
ACCOUPLEMENT DE POMPE 10'' AVEC MOTEUR 6''
ACOPLAMIENTO DE BOMBA DE 10'' CON MOTOR DE 6''



Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

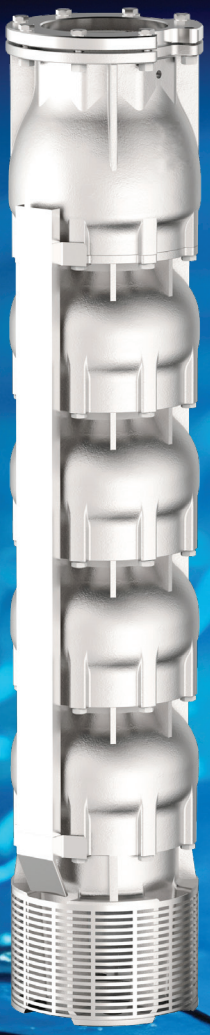
6”-12” 50Hz

MSX

Clean
Civil
Industry
Fire
Agriculture

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox
Pompe submersible semi-axiale - Inox
Bomba sumergible semiaxial - Inox

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³



Elevato rendimento
High efficiency
Haut rendement
Alta eficiencia

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

MADE IN ITALY

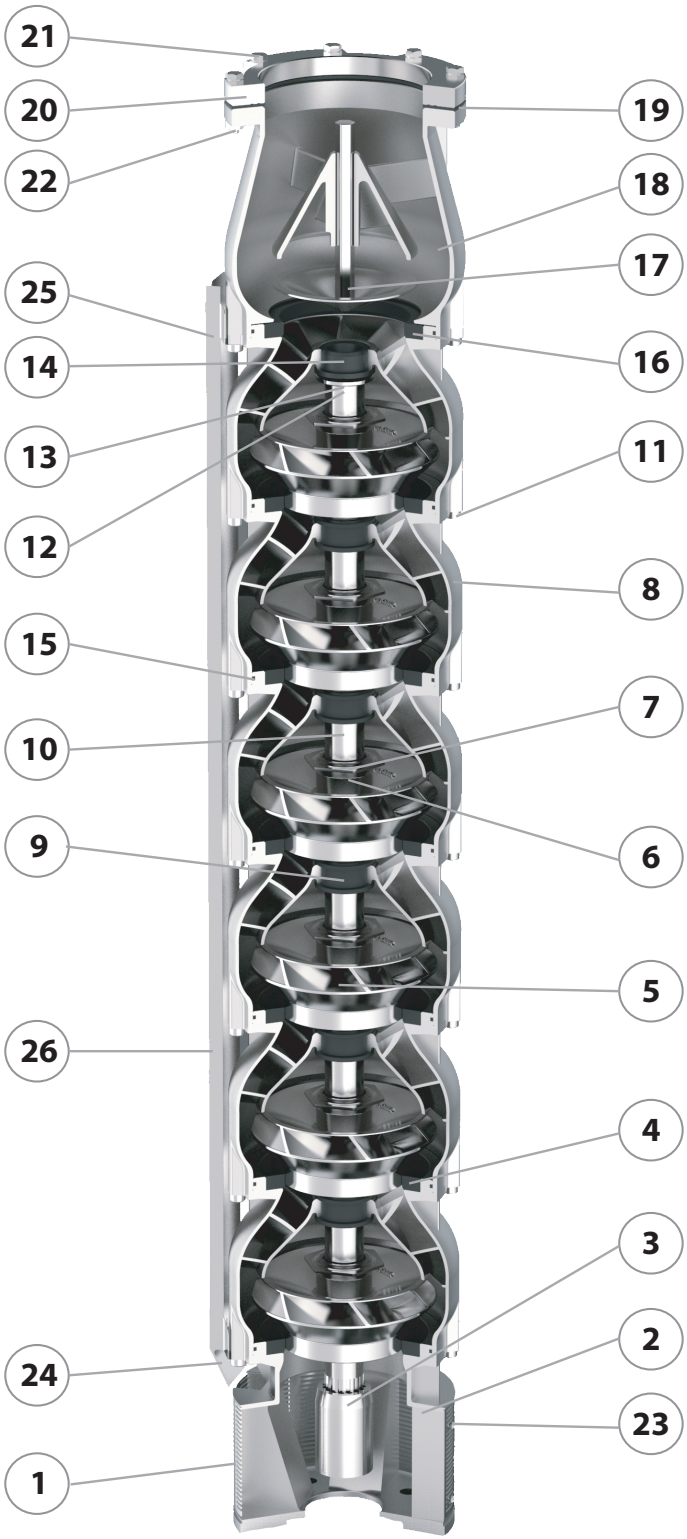
www.metropumps-italy.com

metro MADE IN ITALY

www.metropumps-italy.com

6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox





Controsospensione speciale per pompe 8'' / 10” / 12”, fino a 2 stadi.

Special suspension for pumps 8”/ 10” / 12” up to 2 stages.

Contre suspension spéciale pour pompes 8” / 10” / 12”, jusqu' à 2 étages.

Suspensión especial para bombas 8” / 10” / 12”, hasta 2 etapas.

6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	ACCIAIO INOX AISI 304	SUCTION CAGE	AISI 304
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	ACCIAIO INOX AISI 304	IMPELLER	AISI 304
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	ACCIAIO INOX AISI 304	DIFFUSEUR	AISI 304
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	ACCIAIO INOX AISI 304	BODY VALVE	AISI 304
19	GUARNIZIONE CONTROFLANGIA	GOMMA NBR	SEAL COUNTERFLANGE	RUBBER NBR
20	CONTROFLANGIA	ACCIAIO INOX AISI 304	COUNTERFLANGE	AISI 304
21	N. 8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR COUNTERFLANGE	AISI 304
22	N. 8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N. 8 NUTS FOR COUNTERFLANGE	AISI 304
23	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D'ASPIRATION	ACIER INOXYDABLE AISI 304	CUERPO DE ASPIRACION	ACERO INOXIDABLE AISI 304
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	ACIER INOXYDABLE AISI 304	IMPULSOR	ACERO INOXIDABLE AISI 304
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	ACIER INOXYDABLE AISI 304	DIFUSOR	ACERO INOXIDABLE AISI 304
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	CORPS DE VALVE	ACIER INOXYDABLE AISI 304	CUERPO DE IMPULSION	ACERO INOXIDABLE AISI 304
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC NBR	JUNTA CONTRE-BRIDA	GOMA NBR
20	CONTREBRIDE	ACIER INOXYDABLE AISI 304	CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
21	N. 8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
22	N. 8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
23	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304

14 BIS

CONTROSOSPENSIONE SPECIALE PER POMPE 8” / 10 “ / 12 “ , FINO A 2 STADI
SPECIAL SUSPENSION FOR PUMPS 8 “ / 10 “ / 12 “, UP TO 2 STAGES
CONTRE SUSPENSION SPÉCIALE POUR POMPES 8 “ / 10 “ / 12 “, JUSQU'À 2 ÉTAGES
SUSPENSIÓN ESPECIAL PARA BOMBAS 8 “ / 10 “ / 12 “, HASTA 2 ETAPAS

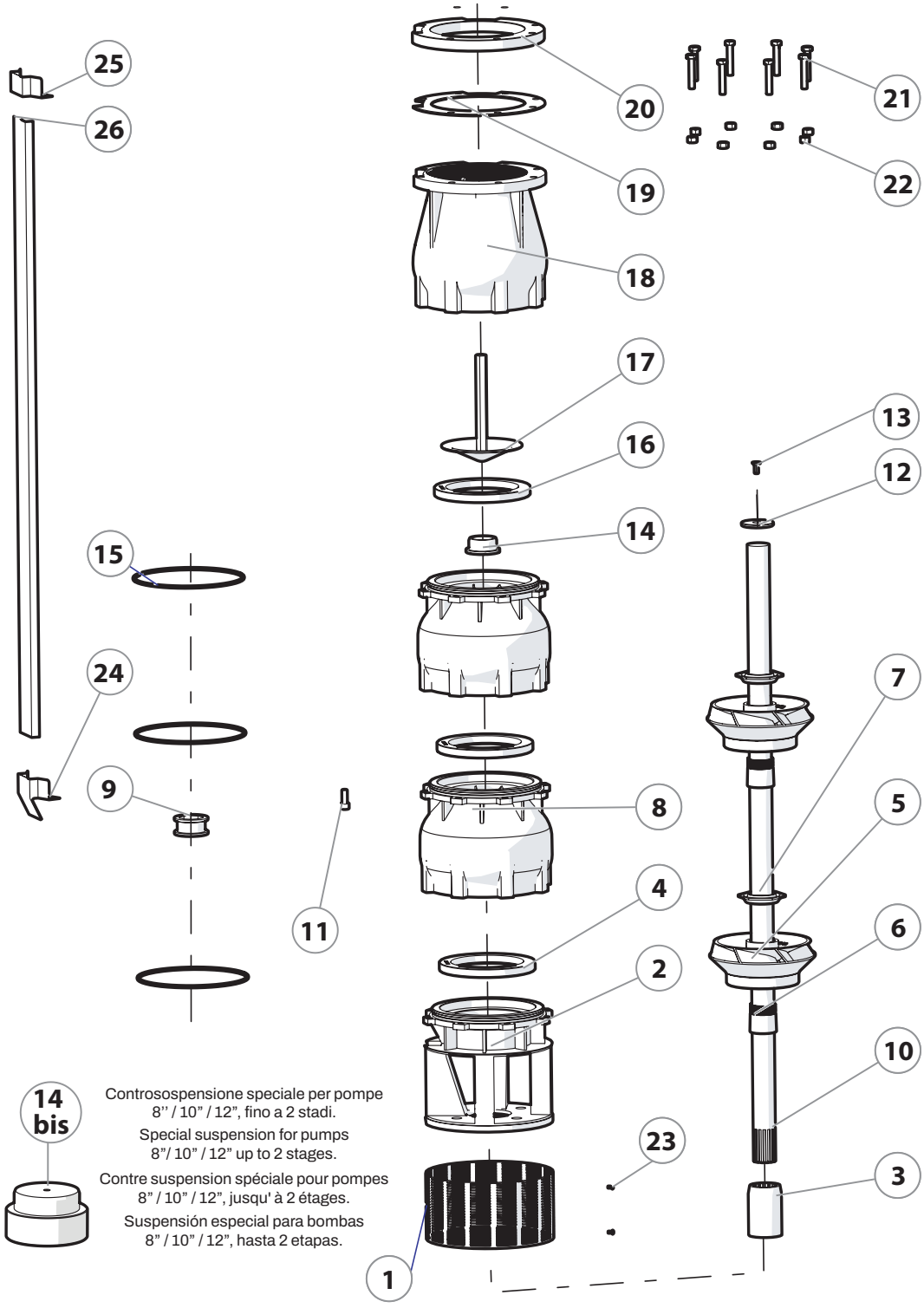
PTFE +25 CARBONE
PTFE + 25 CARBON
PTFE + 25% GRAPHITE
PTFE + 25% GRAPHITE

metro MADE IN ITALY

www.metropumps-italy.com

6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox



6” - 12” MSX

Pompa sommersa semiassiale - Inox
Semiaxial submersible pump - Inox

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	ACCIAIO INOX AISI 304	SUCTION CAGE	AISI 304
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	ACCIAIO INOX AISI 304	IMPELLER	AISI 304
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	ACCIAIO INOX AISI 304	DIFFUSEUR	AISI 304
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	ACCIAIO INOX AISI 304	BODY VALVE	AISI 304
19	GUARNIZIONE CONTROFLANGIA	GOMMA NBR	SEAL COUNTERFLANGE	RUBBER NBR
20	CONTROFLANGIA	ACCIAIO INOX AISI 304	COUNTERFLANGE	AISI 304
21	N. 8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR COUNTERFLANGE	AISI 304
22	N. 8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N. 8 NUTS FOR COUNTERFLANGE	AISI 304
23	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D’ASPIRATION	ACIER INOXYDABLE AISI 304	CUERPO DE ASPIRACION	ACERO INOXIDABLE AISI 304
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D’USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	ACIER INOXYDABLE AISI 304	IMPULSOR	ACERO INOXIDABLE AISI 304
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	ACIER INOXYDABLE AISI 304	DIFUSOR	ACERO INOXIDABLE AISI 304
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	CORPS DE VALVE	ACIER INOXYDABLE AISI 304	CUERPO DE IMPULSION	ACERO INOXIDABLE AISI 304
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC NBR	JUNTA CONTRE-BRIDA	GOMA NBR
20	CONTREBRIDE	ACIER INOXYDABLE AISI 304	CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
21	N. 8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
22	N. 8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
23	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304

14 BIS

CONTROSOSPENSIONE SPECIALE PER POMPE 8” / 10 “ / 12 “ , FINO A 2 STADI
SPECIAL SUSPENSION FOR PUMPS 8 “ / 10 “ / 12 “, UP TO 2 STAGES
CONTRE SUSPENSION SPÉCIALE POUR POMPES 8 “ / 10 “ / 12 “, JUSQU’À 2 ÉTAGES
SUSPENSIÓN ESPECIAL PARA BOMBAS 8 “ / 10 “ / 12 “, HASTA 2 ETAPAS

PTFE +25 CARBONE
PTFE + 25 CARBON
PTFE + 25% GRAPHITE
PTFE + 25% GRAPHITE

NOTES

6”-10” 50Hz

MSC

Clean

Civil

Industry

Fire

Agriculture

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido

Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

Alta affidabilità
High reliability
Haute fiabilité
Alta confiabilidad



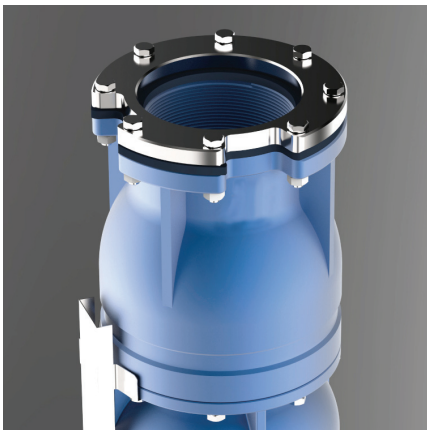
metro

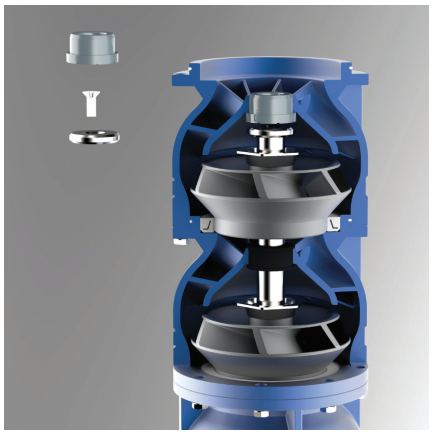
MADE IN ITALY

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metro MADE IN ITALY

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6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido

Girante e diffusore in ghisa
Massimo contenuto di sabbia: 50 gr/m³

Impeller and diffuser in cast iron
Maximum sand content: 50 gr/m³

Roue et diffuseur en fonte
Tolérance de sable maximum: 50 gr/m³

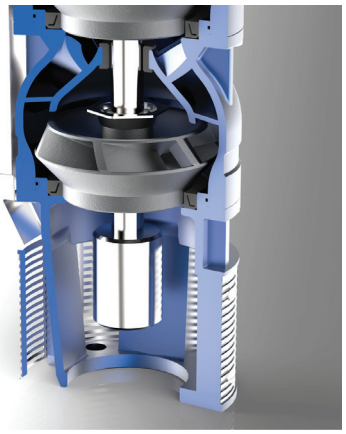
Rodete y difusor en hierro
Maxima cantidad de arena: 50 gr/m³

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com







6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido

Robustezza ineguagliabile
Ampia gamma da 34 m³/ora a 240 m³/ora

Heavy Duty construction
Extensive range from 34 m³/hour up to 240 m³/hour

Durabilité
Gamme très compléte de 34 m³/heure jusqu’à 240 m³/heure

Durabilidad
Gama muy amplia de 34 m³/hora hasta 240 m³/hora

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

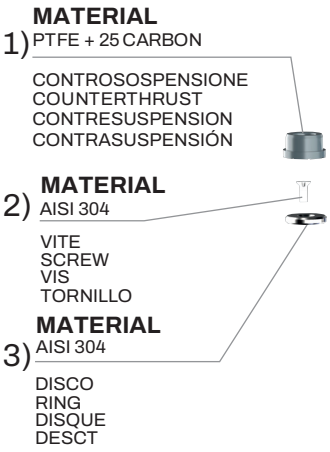
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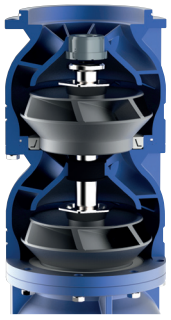
6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido





6” to 10” MSC



ELETTROPOMPE SOMMERSE SEMIASSIALI 6’’/8’’/10’’SERIE 6’’/8’’/10’’ MSC, IN GHISA MECCANICA G25
Le pompe sommerse semiassiali sono caratterizzate da stadi formati dal corpo diffusore incorporato e girante semiassiale. Questo tipo di soluzione , rispetto a quella radiale, è ideale quando sono richieste à parità di diametro , medio-alte portate, con medie prevalenze.
Adatte a sollevamento di acqua pulita, per approvvigionamento idrico ad uso civile ed industriale, impianti di pressurizzazione , antincendio e irrigazione, acquedotti.

VANTAGGI
- rendimenti elevati
- facilità di smontaggio
- ridotta manutenzione
- bassi costi di esercizio

MATERIALI
- Girante, diffusore , gabbia di aspirazione e corpo valvola in ghisa meccanica G25
- Albero pompa in acciaio inox Aisi 304
- Anelli di usura, bronzine, guarnizione valvola in gomma NBR
- Anello di controspinta in PTFE+25% GRAFITE

CAMPI DI PRESTAZIONE IDRAULICHE
- Portate fino a 300 m³/h
- Prevalenze fino a 450 metri
- Potenze fino a 147 Kw
- Massima quantità di sabbia ammessa : 50 g/m³
- Massima profondità di immersione : 300 metri.

6’’/8’’/10’’SUBMERSIBLE SEMIAXIAL PUMPS SERIES 6’’/8’’/10’’ MSC, IN CAST IRON
The semiaxial pumps impellers with diffusers integrated. These pumps are usually ideal for medium-high capacity and medium head required.
Production offer standard semi-axial pumps from 6” to 10”.

ADVANTAGES
The innovative design and the most advanced micro casting technologies allow:
- High efficiency
- Longer life
- Easy assembly/disassembly
- Low maintenance
- Low operating cost

MATERIALS
- Impellers, diffusers, suction cage and delivery bowl in cast iron
- Pump shaft in AISI 304 stainless steel
- Wear rings, bearing buses, valve seal in NBR
- Counter thrust in PTFE+25% GRAPHITE

HYDRAULIC PERFORMANCES
- Capacity up to 300 m³/h
- Head up to 450 m
- Power up to 147 kW
- Maximum sand tolerance : 50g/m³
- Maximum depth : 300 metres

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

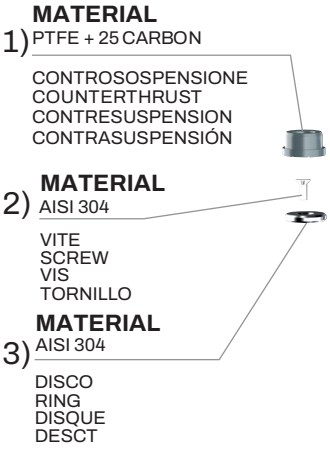
metro MADE IN ITALY

www.metropumps-italy.com

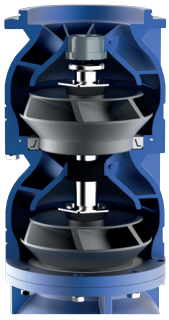
6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido





6” to 10” MSC



POMPES IMMERGÉES SEMIAXIALES 6’’/8’’/10’’ SERIE 6’’/8’’/10’’ MSC, EN FONTE
Les pompes immergées semiaxiales grâce au design des roues et des diffuseurs peuvent produire des débit moyens élevés et des hauteurs moyennes.
Les pompes sont conçues pour des eaux claires dans toutes applications domestiques, industrielles, systèmes de surpression, groupe incendie, irrigation et réseaux d’eau publiques.

ADVANTAGES
L’innovatif projet et les technologies de microfusion les plus modernes permettent d’obtenir:
- Très hautes efficiences
- Durée de vie importante
- Facilité de montage et démontage
- Manutention réduite
- Couts d’exercice réduits

MATERIAUX
- Roues, diffuseurs, cage d’aspiration et refoulement en fonte
- Axe de la pompe en acier inoxydable AISI 304
- Bagues d’usure, bagues, anneau du clapet en caoutchouc NBR
- Contresuspension en PTFE+25% GRAPHITE

PERFORMANCES HYDRAULIQUES
- Débit jusqu’à 300 m³/h
- Hauteur jusqu’à 450 m
- Puissance jusqu’à 147 kW
- Tolerance de sable maximum : 50 g/m³
- Profondité maximum d’immersion: 300 métres

BOMBAS SUMERGIBLES SEMIAXIALES 6’’/8’’/10’’SERIE 6’’/8’’/10’’ MSC, EN HIERRO FUNDIDO
Las bombas sumergibles semiaxiales gracias al design de los impulsores y de los cuerpos se adaptan a caudales medio-elevados y alturas media. Concebidas para el bombeo de aguas limpias en aplicaciones civiles y industriales para el suministro de agua a nivel doméstico, industrial, en grupos de presión, sistemas contra incendio, riego y sistemas de agua pública.

VENTAJAS
El design innovativo y las tecnologias mas modernas garantizan:
- Eficiencias elevadas
- Durada de vida muy importante
- Facilidad de montaje y desmontaje - Manutencion minima
- Costos de utilización muy limitados

MATERIALES
- Impulsores, difusores, caja de aspiracion e impulsion en hierro fundido
- Eje de bomba en acero inoxydable AISI 304
- Anillos de usura, bocina y anillo válvula en goma NBR.
- Contraempuje en PTFE+25% GRAFITO

PRESTACIONES HIDRAULICAS
- Caudales hasta 300 m³/h, Alturas hasta 450 m, Potencia hasta 147 kW
- Cantida mãx de arena contenida en el agua: 50g/m³, Sumergencia mãx: 300 metres

Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

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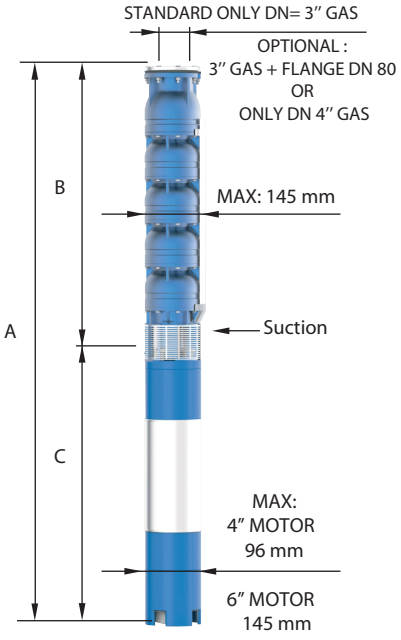
6” MSC 34

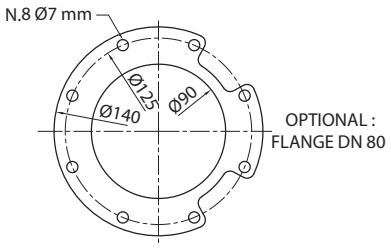
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	300	400	500	600	700	800
			l/sec	0	5	6,67	8,33	10	11,67	13,33
			m³/h	0	18	24	30	36	42	48
6” MSC 34/03	4	5,5		43	36	33	30	27	22	15
6” MSC 34/04	5,5	7,5		57	48	44	40	37	30	20
6” MSC 34/05	7,5	10		71	60	55	50	46	37	25
6” MSC 34/06	7,5	10		86	72	66	60	55	45	30
6” MSC 34/07	9,2	12,5		100	84	77	70	64	52	35
6” MSC 34/08	11	15		114	96	88	80	73	59	40
6” MSC 34/09	11	15	H(m)	129	108	99	90	82	67	45
6” MSC 34/10	13	17,5		143	120	110	100	91	74	50
6” MSC 34/11	13	17,5		157	132	121	110	101	82	55
6” MSC 34/12	15	20		171	144	132	120	110	89	60
6” MSC 34/13	15	20		186	156	143	130	119	97	65
6” MSC 34/14	18,5	25		200	168	154	140	128	104	70
6” MSC 34/15	18,5	25		214	180	165	150	137	111	75





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSC 34/03	1242	596	646	40	19
6” MSC 34/04	1368	697	671	45	23
6” MSC 34/05	1499	798	701	55	28
6” MSC 34/06	1600	899	701	55	32
6” MSC 34/07	1751	1000	751	60	36
6” MSC 34/08	1912	1101	811	65	40
6” MSC 34/09	2013	1202	811	65	44
6” MSC 34/10	2144	1303	841	70	48
6” MSC 34/11	2245	1404	841	70	52
6” MSC 34/12	2436	1505	931	75	56
6” MSC 34/13	2537	1606	931	75	60
6” MSC 34/14	2698	1707	991	83	64
6” MSC 34/15	2799	1808	991	83	69

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,22

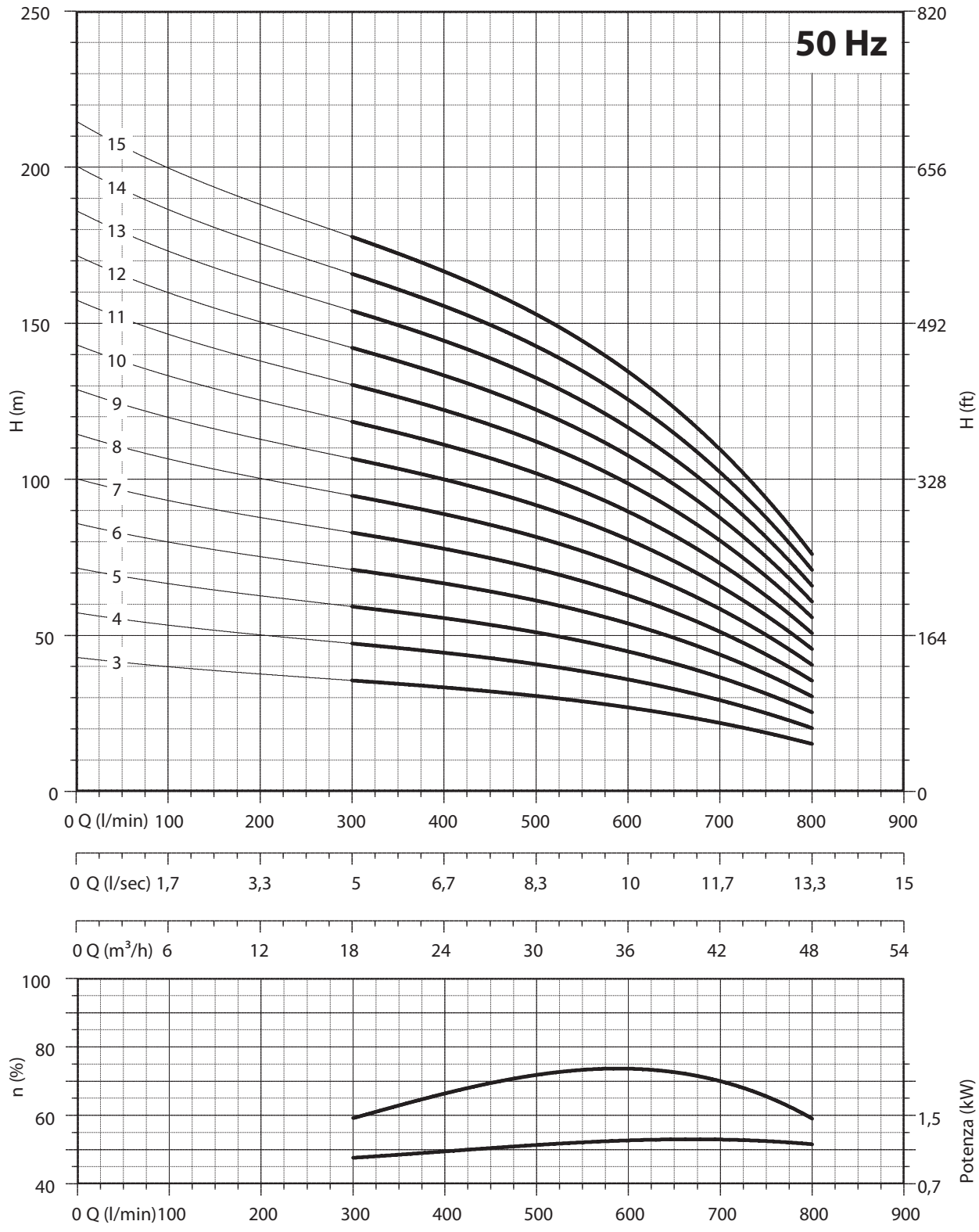
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 34

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 34	3,4	3,4	3,8	8

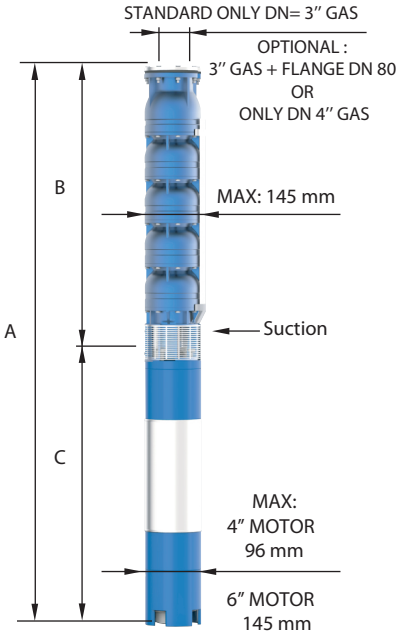
6” MSC 34

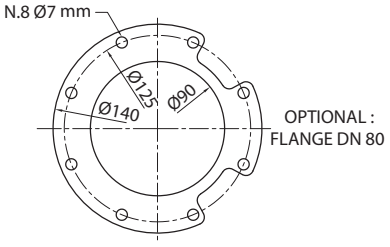
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	300	400	500	600	700	800
			l/sec	0	5	6,67	8,33	10	11,67	13,33
			m³/h	0	18	24	30	36	42	48
6” MSC 34/16	22	30	H(m)	229	192	176	160	146	119	80
6” MSC 34/17	22	30		243	204	187	170	155	126	85
6” MSC 34/18	22	30		257	216	198	180	165	134	90
6” MSC 34/19	26	35		271	228	209	190	174	141	95
6” MSC 34/20	26	35		286	240	220	200	183	149	100
6” MSC 34/21	26	35		300	252	231	210	192	156	105
6” MSC 34/22	26	35		314	264	242	220	201	163	110
6” MSC 34/23	30	40		329	276	253	230	210	171	115
6” MSC 34/24	30	40		343	288	264	240	219	178	120
6” MSC 34/25	30	40		357	300	275	250	229	186	125
6” MSC 34/26	37	50		371	312	286	260	238	193	130
6” MSC 34/27	37	50		386	324	297	270	247	201	135
6” MSC 34/28	37	50		400	336	308	280	256	208	140
6” MSC 34/29	37	50		414	348	319	290	265	215	145
6” MSC 34/30	37	50		429	360	330	300	274	223	150





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSC 34/16	2980	1909	1071	92	73
6” MSC 34/17	3081	2010	1071	92	77
6” MSC 34/18	3182	2111	1071	92	81
6” MSC 34/19	3393	2212	1181	100	85
6” MSC 34/20	3494	2313	1181	100	89
6” MSC 34/21	3595	2414	1181	100	93
6” MSC 34/22	3696	2515	1181	100	97
6” MSC 34/23	3867	2616	1251	108	101
6” MSC 34/24	3968	2717	1251	108	105
6” MSC 34/25	4069	2818	1251	108	110
6” MSC 34/26	4260	2919	1341	118	114
6” MSC 34/27	4361	3020	1341	118	118
6” MSC 34/28	4462	3121	1341	118	122
6” MSC 34/29	4563	3222	1341	118	126
6” MSC 34/30	4664	3323	1341	118	130

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,22

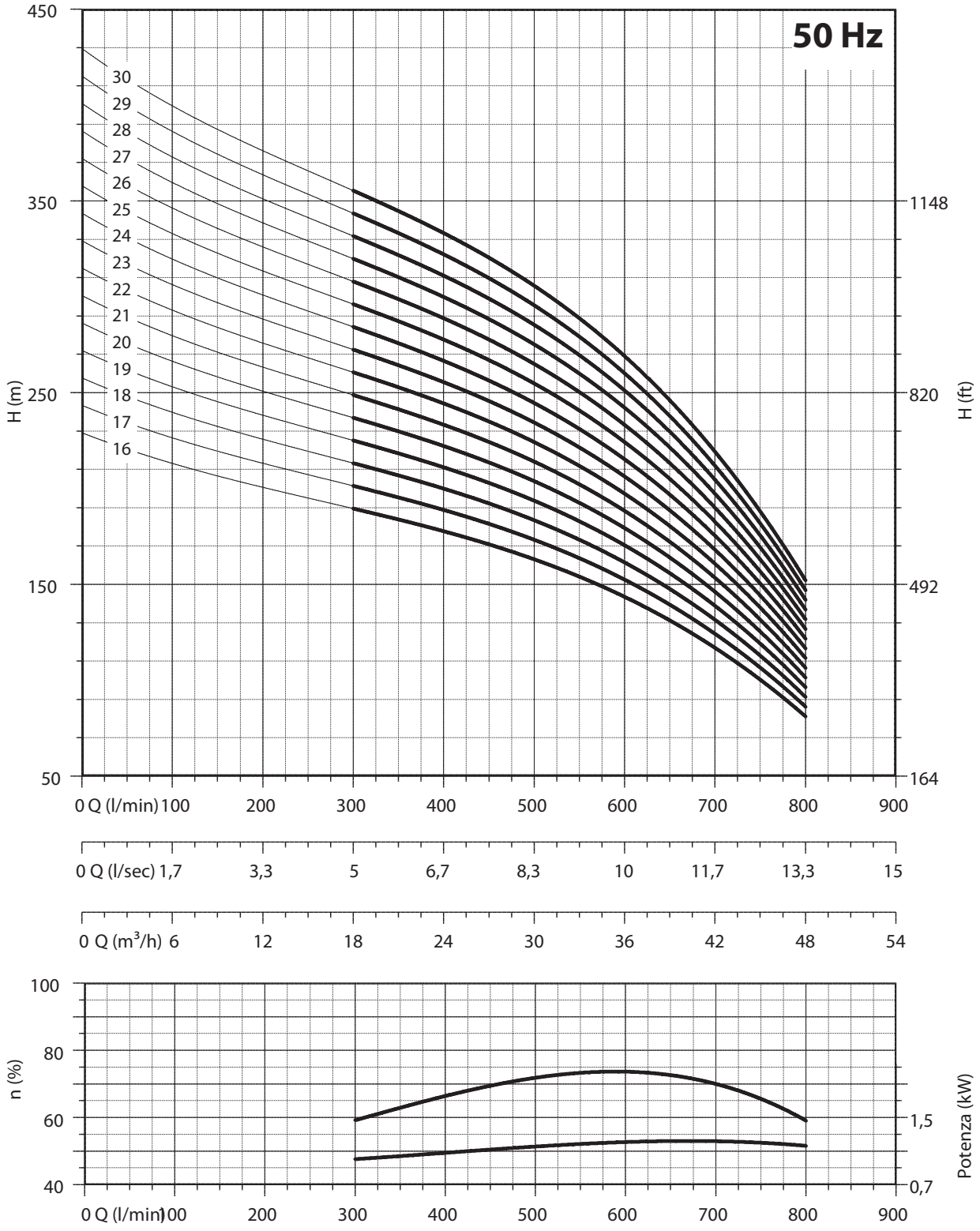
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 34

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 34	3,4	3,4	3,8	8

metro MADE IN ITALY

www.metropumps-italy.com

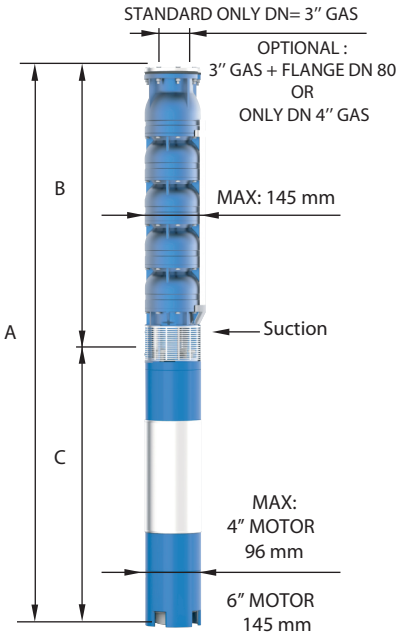
6” MSC 44

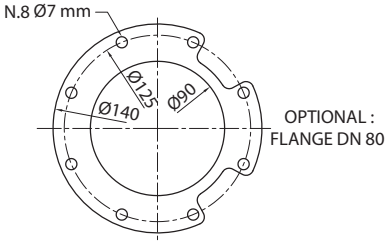
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	400	500	600	700	800	900	1000
			l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
			m³/h	0	24	30	36	42	48	54	60
6” MSC 44/3	4	5,5		40	32	31	29	26	22	17	10
6” MSC 44/4	5,5	7,5		53	43	41	38	34	29	22	13
6” MSC 44/5	7,5	10		67	53	51	48	43	36	28	17
6” MSC 44/6	9,2	12,5		80	64	61	57	51	43	33	20
6” MSC 44/7	9,2	12,5		93	75	71	67	60	50	39	23
6” MSC 44/8	11	15		107	85	81	76	68	57	44	27
6” MSC 44/9	13	17,5	H(m)	120	96	92	86	77	65	50	30
6” MSC 44/10	13	17,5		133	107	102	95	85	72	55	33
6” MSC 44/11	15	20		147	117	112	105	94	79	61	37
6” MSC 44/12	15	20		160	128	122	114	102	86	66	40
6” MSC 44/13	18,5	25		173	139	132	124	111	93	72	43
6” MSC 44/14	18,5	25		187	149	142	133	119	100	77	47
6” MSC 44/15	22	30		200	160	153	143	128	108	83	50





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSC 44/3	1242	596	646	40	19
6” MSC 44/4	1368	697	671	45	23
6” MSC 44/5	1499	798	701	55	28
6” MSC 44/6	1650	899	751	60	32
6” MSC 44/7	1751	1000	751	60	36
6” MSC 44/8	1912	1101	811	65	40
6” MSC 44/9	2043	1202	841	70	44
6” MSC 44/10	2144	1303	841	70	48
6” MSC 44/11	2335	1404	931	75	52
6” MSC 44/12	2436	1505	931	75	56
6” MSC 44/13	2597	1606	991	83	60
6” MSC 44/14	2698	1707	991	83	64
6” MSC 44/15	2879	1808	1071	92	69

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,32

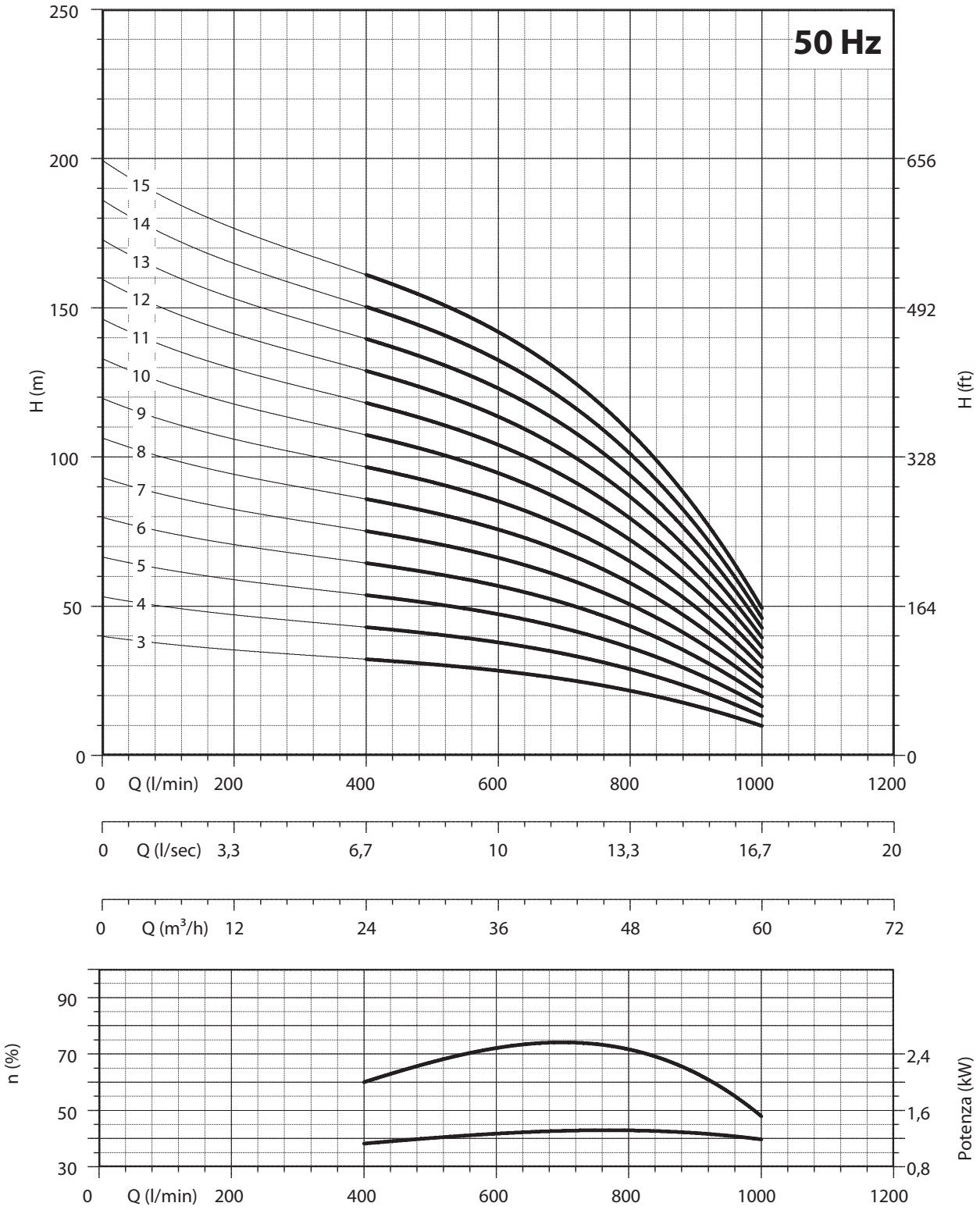
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 44

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 44	3,45	3,5	3,8	5

metro MADE IN ITALY

www.metropumps-italy.com

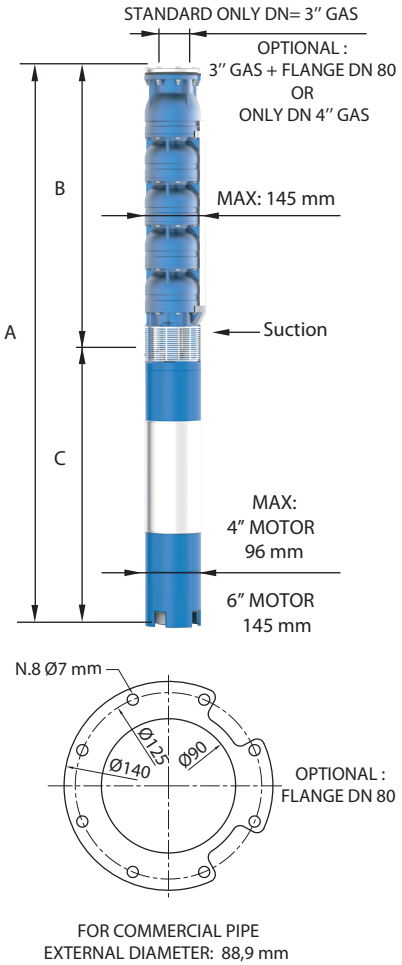
6” MSC 44

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	400	500	600	700	800	900	1000
			l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
			m³/h	0	24	30	36	42	48	54	60
6” MSC 44/16	22	30	H(m)	213	171	163	152	136	115	88	53
6” MSC 44/17	22	30		227	181	173	162	145	122	94	57
6” MSC 44/18	26	35		240	192	183	171	153	129	99	60
6” MSC 44/19	26	35		253	203	193	181	162	136	105	63
6” MSC 44/20	26	35		267	213	203	190	170	143	110	67
6” MSC 44/21	30	40		280	224	214	200	179	151	116	70
6” MSC 44/22	30	40		293	235	224	209	187	158	121	73
6” MSC 44/23	30	40		307	245	234	219	196	165	127	77
6” MSC 44/24	37	50		320	256	244	228	204	172	132	80
6” MSC 44/25	37	50		333	267	254	238	213	179	138	83
6” MSC 44/26	37	50		347	277	264	247	221	186	143	87
6” MSC 44/27	37	50		360	288	275	257	230	194	149	90
6” MSC 44/28	37	50		373	299	285	266	238	201	154	93



FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
6” MSC 44/16	2980	1909	1071	92	73
6” MSC 44/17	3081	2010	1071	92	77
6” MSC 44/18	3292	2111	1181	100	81
6” MSC 44/19	3393	2212	1181	100	85
6” MSC 44/20	3494	2313	1181	100	89
6” MSC 44/21	3665	2414	1251	108	93
6” MSC 44/22	3766	2515	1251	108	97
6” MSC 44/23	3867	2616	1251	108	101
6” MSC 44/24	4058	2717	1341	118	105
6” MSC 44/25	4159	2818	1341	118	110
6” MSC 44/26	4260	2919	1341	118	114
6” MSC 44/27	4361	3020	1341	118	118
6” MSC 44/28	4462	3121	1341	118	122

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,32

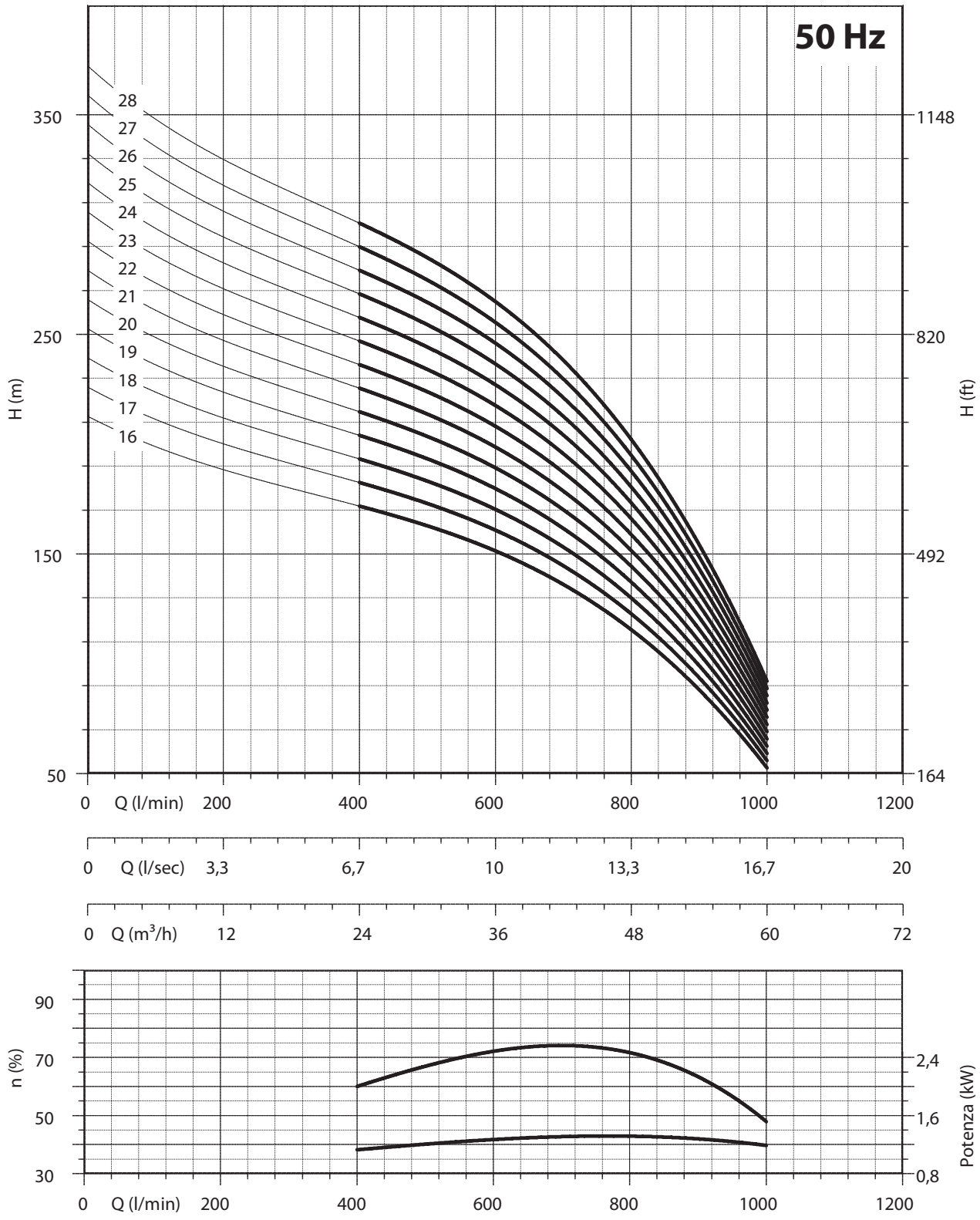
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 44

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 44	3,45	3,5	3,8	5

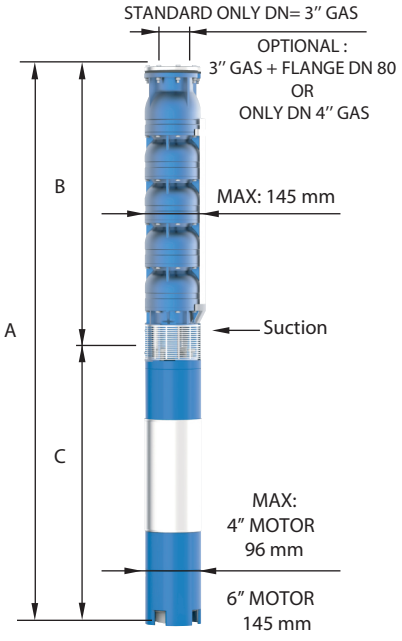
6” MSC 54

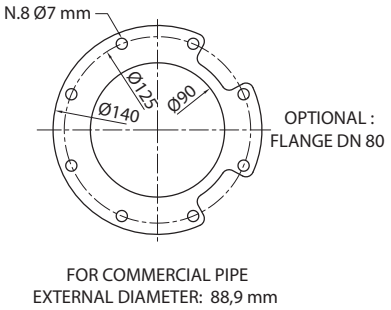
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	500	600	800	1000	1200
			l/sec	0	8,33	10	13,33	16,67	20
			m³/h	0	30	36	48	60	72
6” MSC 54/3	5,5	7,5	H(m)	39	30	28	24	18	8
6” MSC 54/4	7,5	10		52	40	38	32	24	10
6” MSC 54/5	7,5	10		65	50	47	40	30	13
6” MSC 54/6	9,2	12,5		78	60	56	48	35	16
6” MSC 54/7	11	15		91	70	66	56	41	18
6” MSC 54/8	13	17,5		104	80	75	64	47	21
6” MSC 54/9	13	17,5		117	90	85	72	53	23
6” MSC 54/10	15	20		130	100	94	80	59	26
6” MSC 54/11	18,5	25		143	110	103	87	65	29
6” MSC 54/12	18,5	25		156	120	113	95	71	31
6” MSC 54/13	18,5	25		169	130	122	103	77	34
6” MSC 54/14	22	30		182	140	132	111	83	36
6” MSC 54/15	22	30		195	150	141	119	89	39
6” MSC 54/16	26	35		208	160	150	127	94	42
6” MSC 54/17	26	35		221	170	160	135	100	44
6” MSC 54/18	26	35		234	180	169	143	106	47
6” MSC 54/19	30	40		247	190	179	151	112	49
6” MSC 54/20	30	40		260	200	188	159	118	52
6” MSC 54/21	30	40		273	210	197	167	124	55
6” MSC 54/22	37	50		286	220	207	175	130	57
6” MSC 54/23	37	50		299	230	216	183	136	60
6” MSC 54/24	37	50		312	240	226	191	142	62
6” MSC 54/25	37	50		325	250	235	199	148	65





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSC 54/3	1285	614	671	45	21
6” MSC 54/4	1422	721	701	55	25
6” MSC 54/5	1529	828	701	55	30
6” MSC 54/6	1686	935	751	60	34
6” MSC 54/7	1853	1042	811	65	39
6” MSC 54/8	1990	1149	841	70	43
6” MSC 54/9	2097	1256	841	70	48
6” MSC 54/10	2294	1363	931	75	52
6” MSC 54/11	2461	1470	991	83	57
6” MSC 54/12	2568	1577	991	83	61
6” MSC 54/13	2675	1684	991	83	66
6” MSC 54/14	2862	1791	1071	92	70
6” MSC 54/15	2969	1898	1071	92	75
6” MSC 54/16	3186	2005	1181	100	79
6” MSC 54/17	3293	2112	1181	100	84
6” MSC 54/18	3400	2219	1181	100	88
6” MSC 54/19	3577	2326	1251	108	93
6” MSC 54/20	3684	2433	1251	108	97
6” MSC 54/21	3791	2540	1251	108	102
6” MSC 54/22	3988	2647	1341	118	106
6” MSC 54/23	4095	2754	1341	118	111
6” MSC 54/24	4202	2861	1341	118	115
6” MSC 54/25	4309	2968	1341	118	120

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 73,6 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,44

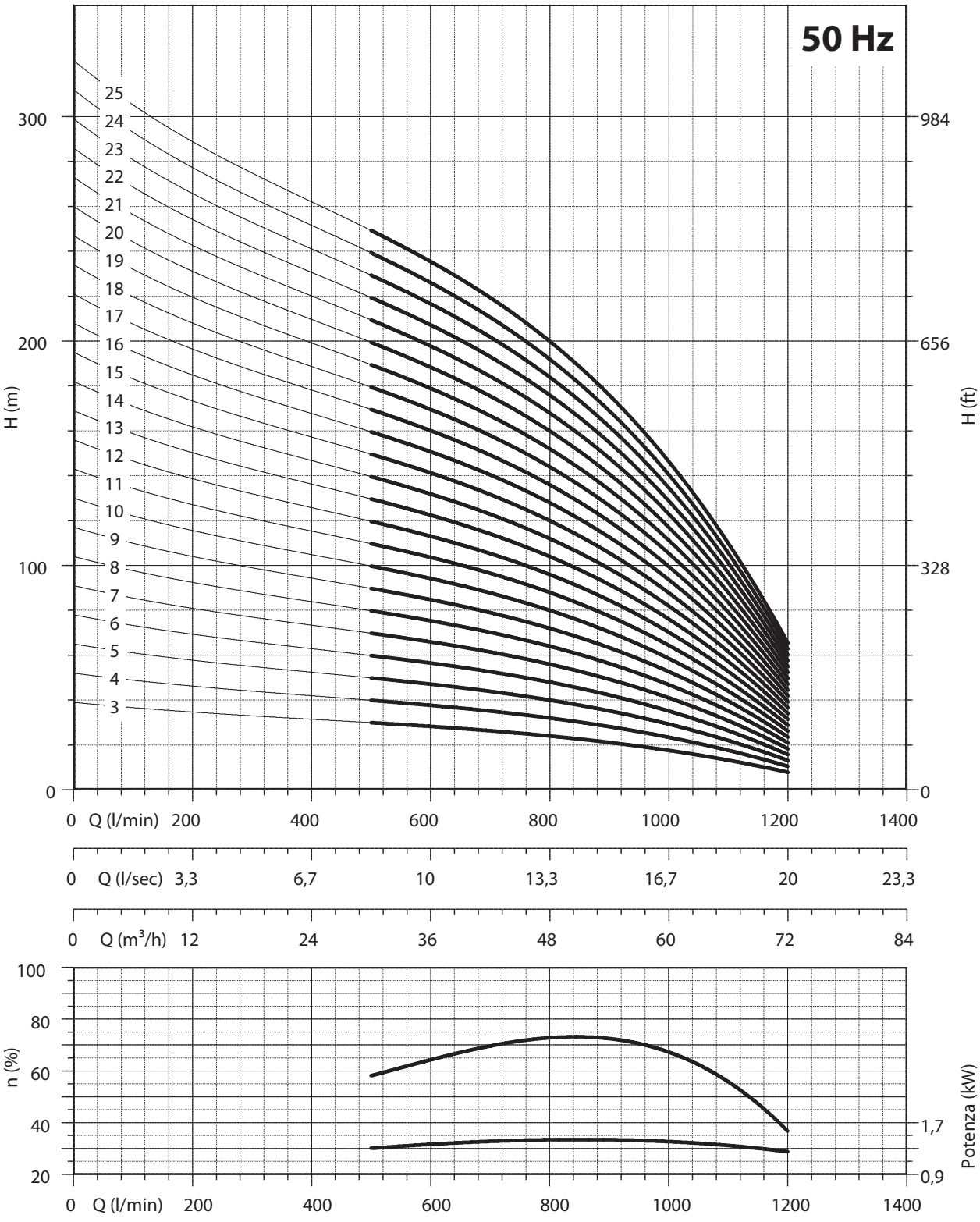
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 54

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 54	3,8	3,8	5,1	7,1

metro MADE IN ITALY

www.metropumps-italy.com

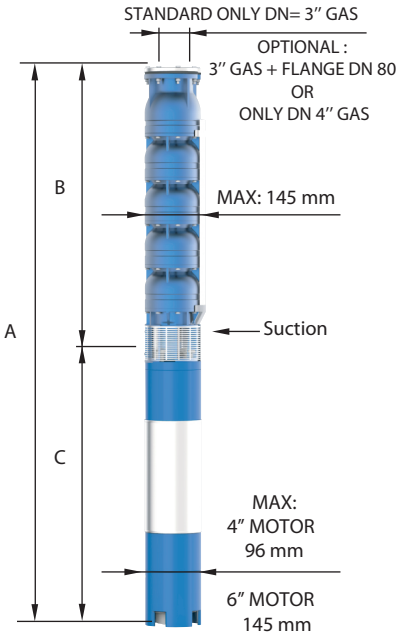
6” MSC 66

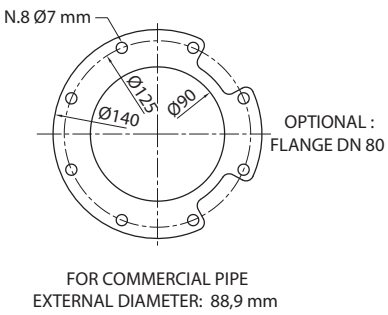
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	600	800	1000	1200	1400
			l/sec	0	10	13,33	16,67	20	23,33
			m³/h	0	36	48	60	72	84
6” MSC 66/3	5,5	7,5		39	29	26	23	17	6
6” MSC 66/4	7,5	10		52	39	35	31	23	8
6” MSC 66/5	9,2	12,5		65	49	44	39	29	10
6” MSC 66/6	11	15		78	59	53	47	34	12
6” MSC 66/7	13	17,5		91	69	62	55	40	14
6” MSC 66/8	15	20		104	78	70	62	46	16
6” MSC 66/9	15	20		117	88	79	70	51	18
6” MSC 66/10	18,5	25		130	98	88	78	57	20
6” MSC 66/11	22	30		143	108	97	86	63	22
6” MSC 66/12	22	30	H(m)	156	118	106	94	68	24
6” MSC 66/13	22	30		169	127	114	101	74	26
6” MSC 66/14	26	35		182	137	123	109	80	28
6” MSC 66/15	26	35		195	147	132	117	86	30
6” MSC 66/16	30	40		208	157	141	125	91	32
6” MSC 66/17	30	40		221	167	150	133	97	34
6” MSC 66/18	37	50		234	176	158	140	103	36
6” MSC 66/19	37	50		247	186	167	148	108	38
6” MSC 66/20	37	50		260	196	176	156	114	40
6” MSC 66/21	37	50		273	206	185	164	120	42





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 88,9 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
6” MSC 66/3	1285	614	671	45	21
6” MSC 66/4	1422	721	701	55	25
6” MSC 66/5	1579	828	751	60	30
6” MSC 66/6	1746	935	811	65	34
6” MSC 66/7	1883	1042	841	70	39
6” MSC 66/8	2080	1149	931	75	43
6” MSC 66/9	2187	1256	931	75	48
6” MSC 66/10	2354	1363	991	83	52
6” MSC 66/11	2541	1470	1071	92	57
6” MSC 66/12	2648	1577	1071	92	61
6” MSC 66/13	2755	1684	1071	92	66
6” MSC 66/14	2972	1791	1181	100	70
6” MSC 66/15	3079	1898	1181	100	75
6” MSC 66/16	3256	2005	1251	108	79
6” MSC 66/17	3363	2112	1251	108	84
6” MSC 66/18	3560	2219	1341	118	88
6” MSC 66/19	3667	2326	1341	118	93
6” MSC 66/20	3774	2433	1341	118	97
6” MSC 66/21	3881	2540	1341	118	102

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 1,74

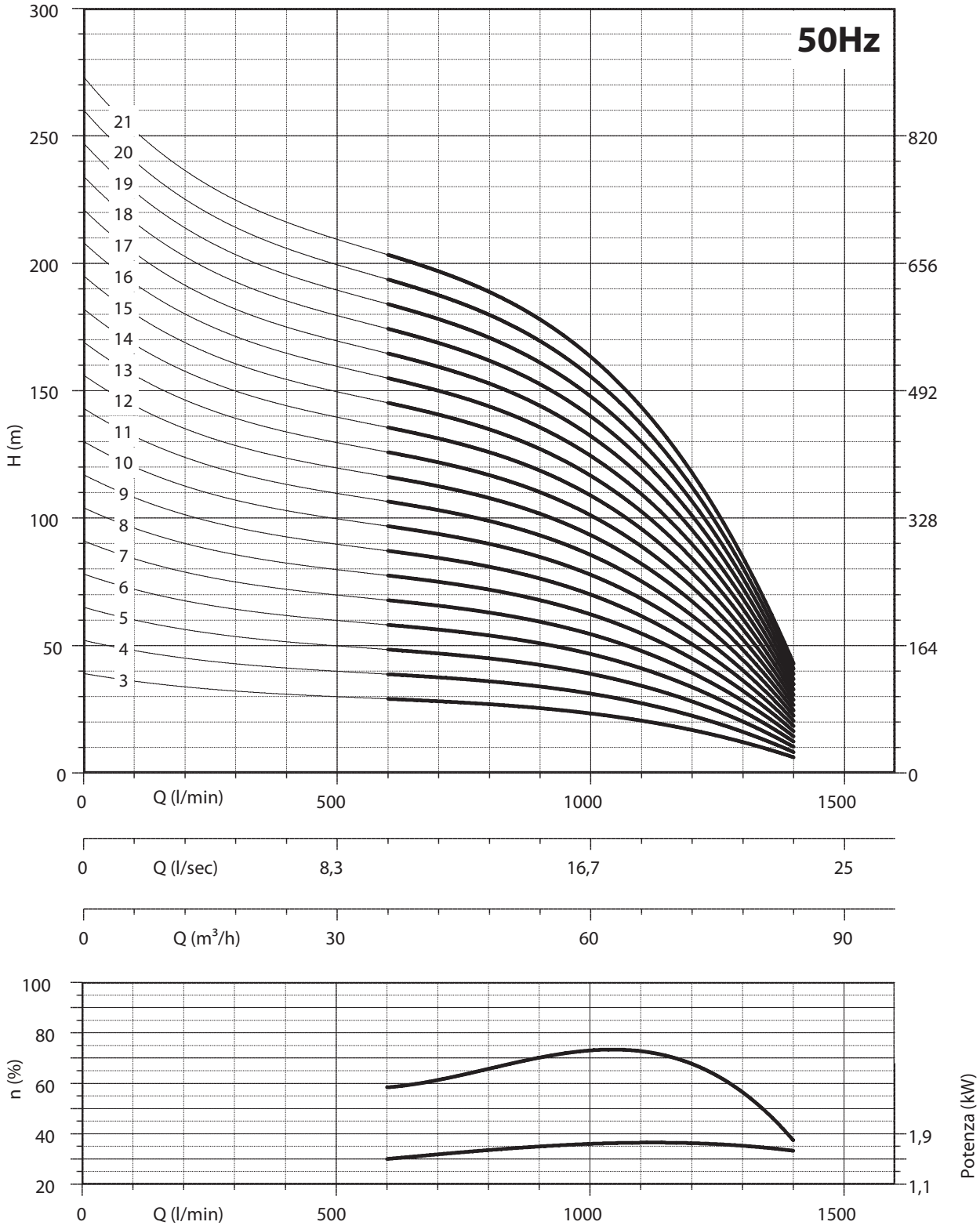
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

6” MSC 66

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
6” MSC 66	3,8	3,8	5,1	7,1

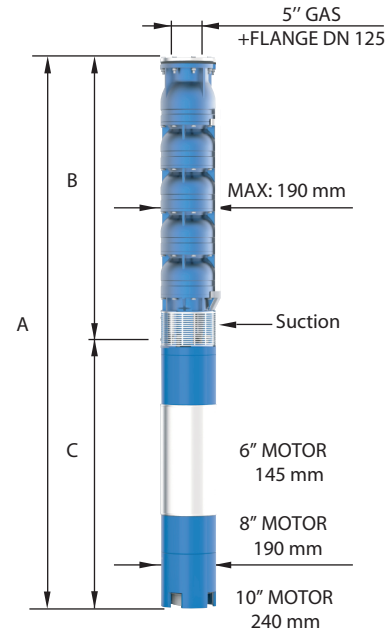
8” MSC 78

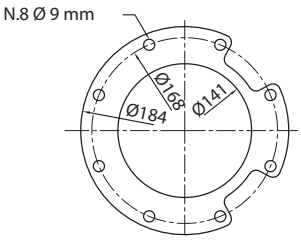
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	600	800	1000	1200	1400	1600
			l/sec	0	10	13,33	16,67	20	23,33	26,67
			m³/h	0	36	48	60	72	84	96
8” MSC 78/1	5,5	7,5		26	22	21	19	18	15	11
8” MSC 78/2	11	15		53	45	42	39	35	30	23
8” MSC 78/3	15	20		79	67	63	58	53	44	34
8” MSC 78/4	22	30		105	89	84	78	70	59	45
8” MSC 78/5	26	35		131	111	105	97	88	74	56
8” MSC 78/6	30	40		158	134	126	116	105	89	68
8” MSC 78/7	37	50		184	156	147	136	123	103	79
8” MSC 78/8	44	60	H(m)	210	178	168	155	140	118	90
8” MSC 78/9	44	60		236	200	189	174	158	133	101
8” MSC 78/10	55	75		263	223	210	194	175	148	113
8” MSC 78/11	55	75		289	245	231	213	193	162	124
8” MSC 78/12	66	90		315	267	252	233	210	177	135
8” MSC 78/13	66	90		341	289	273	252	228	192	146
8” MSC 78/14	75	100		368	312	294	271	245	207	158
8” MSC 78/15	75	100		394	334	315	291	263	221	169





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSC 78/1	1225	527	671	45	23
8” MSC 78/2	1463	652	811	65	31
8” MSC 78/3	1708	777	931	75	39
8” MSC 78/4	1973	902	1071	92	48
8” MSC 78/5	2208	1027	1181	100	56
8” MSC 78/6	2403	1152	1251	108	64
8” MSC 78/7	2618	1277	1341	118	73
8” MSC 78/8	2525	1402	1123	178	81
8” MSC 78/9	2650	1527	1123	178	89
8” MSC 78/10	2885	1652	1233	200	98
8” MSC 78/11	3010	1777	1233	200	106
8” MSC 78/12	3205	1902	1303	214	114
8” MSC 78/13	3330	2027	1303	214	122
8” MSC 78/14	3535	2152	1383	230	131
8” MSC 78/15	3660	2277	1383	230	139

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 70 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 5,1

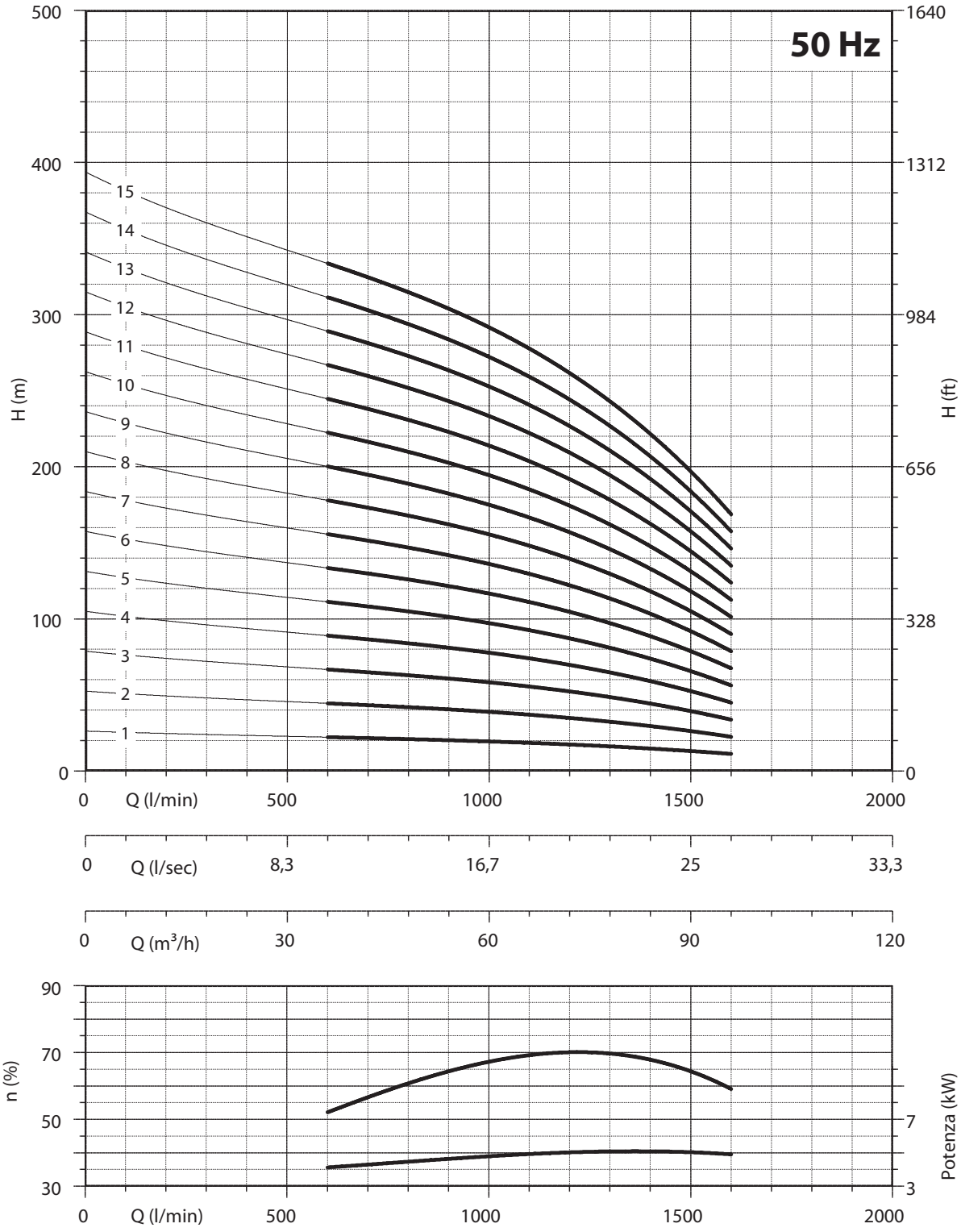
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSC 78

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
8” MSC 78	3	3	3,5	4,5

metro MADE IN ITALY

www.metropumps-italy.com

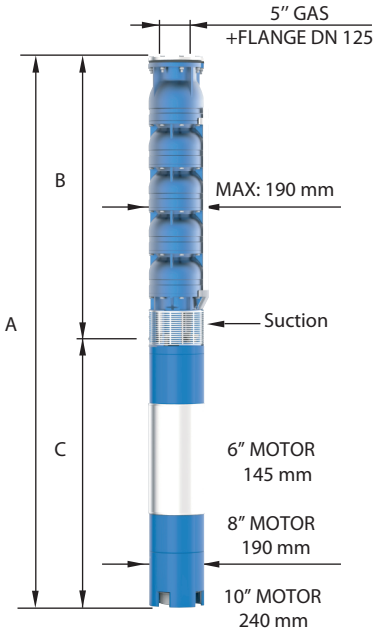
8” MSC 90

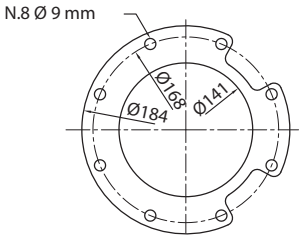
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	800	1000	1200	1400	1600	1800	2000
			l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33
			m³/h	0	48	60	72	84	96	108	120
8” MSC 90/1	7,5	10		26	22	21	20	18	15	13	10
8” MSC 90/2	13	17,5		53	44	42	39	35	31	25	20
8” MSC 90/3	18,5	25		79	66	63	59	53	46	38	29
8” MSC 90/4	26	35		105	89	84	78	70	61	50	39
8” MSC 90/5	30	40		131	111	104	98	88	76	63	49
8” MSC 90/6	37	50		158	133	125	117	105	92	75	59
8” MSC 90/7	44	60		184	155	146	137	123	107	88	68
8” MSC 90/8	55	75	H(m)	210	177	167	156	140	122	100	78
8” MSC 90/9	55	75		236	199	188	176	158	137	113	88
8” MSC 90/10	66	90		263	221	209	195	175	153	125	98
8” MSC 90/11	66	90		289	243	230	215	193	168	138	107
8” MSC 90/12	75	100		315	266	251	234	210	183	150	117
8” MSC 90/13	75	100		341	288	271	254	228	198	163	127
8” MSC 90/14	92	125		368	310	292	273	245	214	175	137
8” MSC 90/15	92	125		394	332	313	293	263	229	188	146





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSC 90/1	1228	527	701	55	23
8” MSC 90/2	1493	652	841	70	31
8” MSC 90/3	1768	777	991	83	39
8” MSC 90/4	2083	902	1181	100	48
8” MSC 90/5	2278	1027	1251	108	56
8” MSC 90/6	2493	1152	1341	118	64
8” MSC 90/7	2400	1277	1123	178	73
8” MSC 90/8	2635	1402	1233	200	81
8” MSC 90/9	2760	1527	1233	200	89
8” MSC 90/10	2955	1652	1303	214	98
8” MSC 90/11	3080	1777	1303	214	106
8” MSC 90/12	3285	1902	1383	230	114
8” MSC 90/13	3410	2027	1383	230	122
8” MSC 90/14	3735	2152	1583	270	131
8” MSC 90/15	3860	2277	1583	270	139

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 70 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 5,9

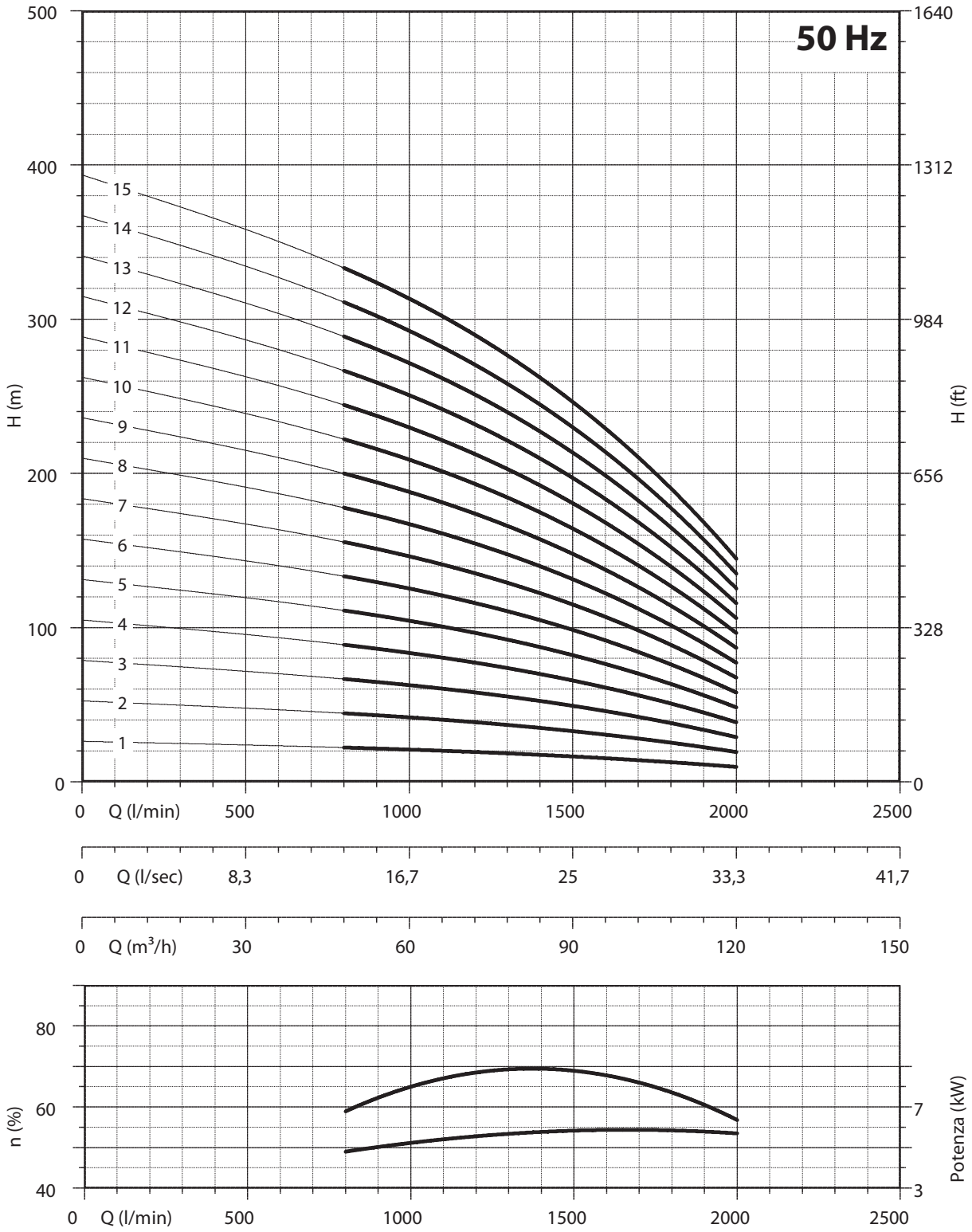
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSC 90

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
8” MSC 90	3	4	5	8

metro MADE IN ITALY

www.metropumps-italy.com

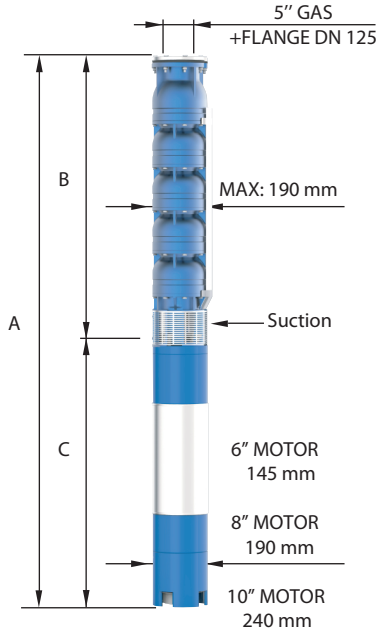
8” MSC 102

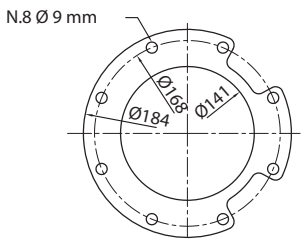
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP		l/min	0	1000	1200	1400	1600	1800	2000	2200	2400
				l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40
				m³/h	0	60	72	84	96	108	120	132	144
8” MSC 102/1	7,5	10			26	22	21	20	19	18	16	14	11
8” MSC 102/2	15	20			53	44	42	40	38	35	32	28	22
8” MSC 102/3	22	30			79	66	63	60	57	53	48	42	33
8” MSC 102/4	30	40			105	87	84	80	76	71	65	55	45
8” MSC 102/5	37	50			131	109	105	100	95	89	81	69	56
8” MSC 102/6	44	60			158	131	126	120	114	106	97	83	67
8” MSC 102/7	55	75		H(m)	184	153	147	140	133	124	113	97	78
8” MSC 102/8	66	90			210	175	168	160	152	142	129	111	89
8” MSC 102/9	66	90			237	197	189	180	171	159	145	125	100
8” MSC 102/10	75	100			263	219	210	200	190	177	161	139	111
8” MSC 102/11	92	125			289	240	231	220	209	195	178	152	123
8” MSC 102/12	92	125			315	262	252	240	228	213	194	166	134
8” MSC 102/13	92	125			342	284	273	260	247	230	210	180	145





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSC 102/1	1228	527	701	55	23
8” MSC 102/2	1583	652	931	75	32
8” MSC 102/3	1848	777	1071	92	40
8” MSC 102/4	2153	902	1251	108	49
8” MSC 102/5	2368	1027	1341	118	58
8” MSC 102/6	2275	1152	1123	178	66
8” MSC 102/7	2510	1277	1233	200	75
8” MSC 102/8	2705	1402	1303	214	83
8” MSC 102/9	2830	1527	1303	214	92
8” MSC 102/10	3035	1652	1383	230	101
8” MSC 102/11	3360	1777	1583	270	109
8” MSC 102/12	3485	1902	1583	270	118
8” MSC 102/13	3610	2027	1583	270	126

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 7,3

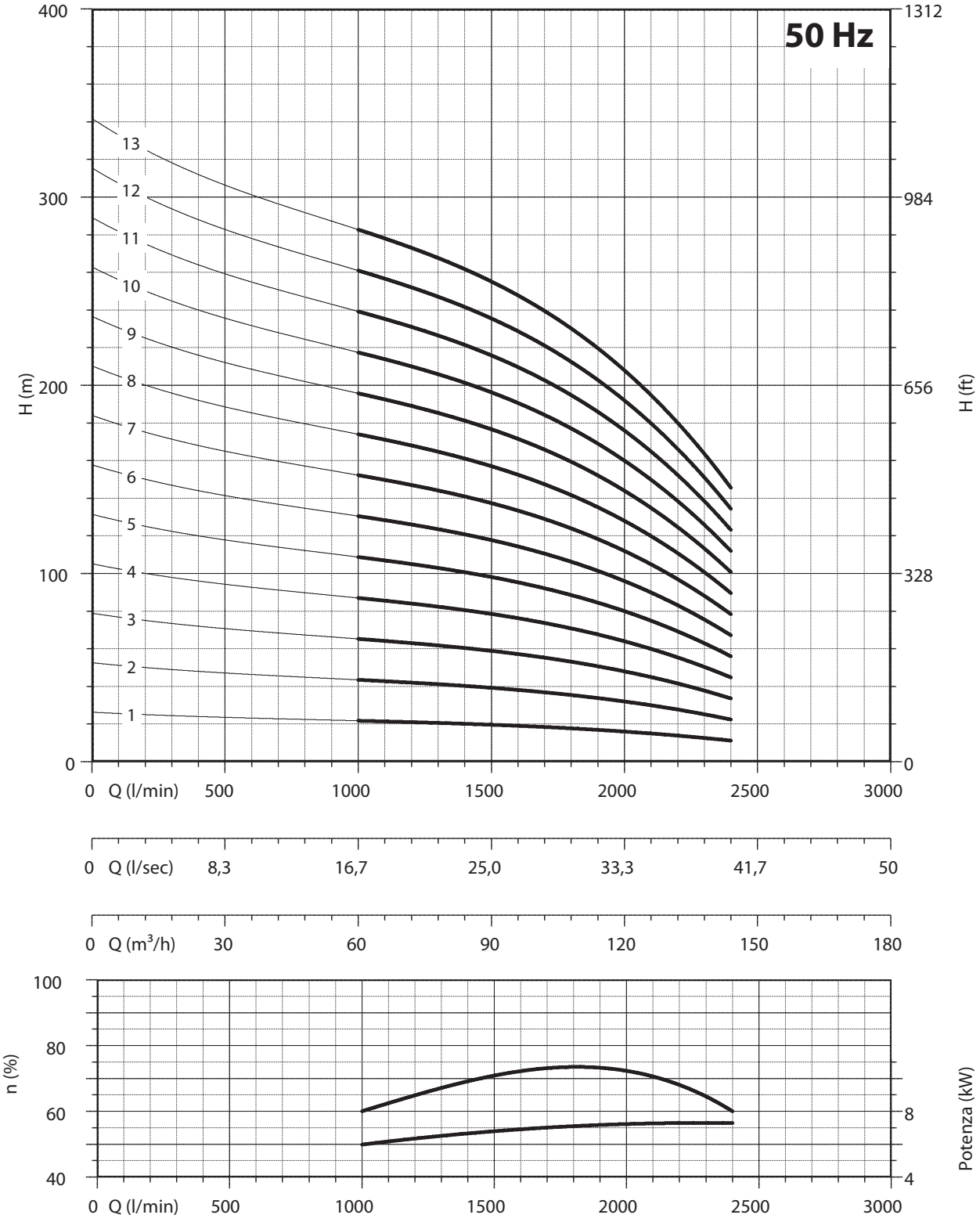
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSC 102

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
8” MSC 102	2,5	3,5	4,5	8

metro MADE IN ITALY

www.metropumps-italy.com

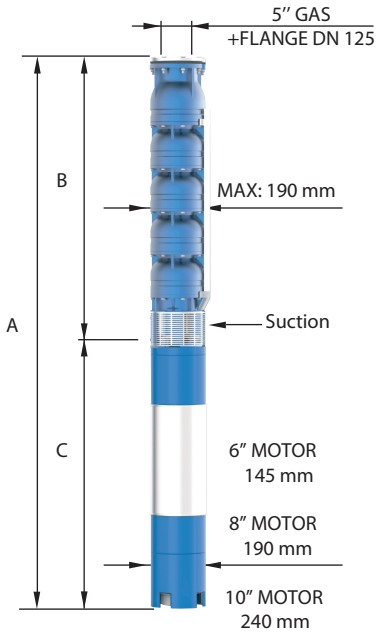
8” MSC 124

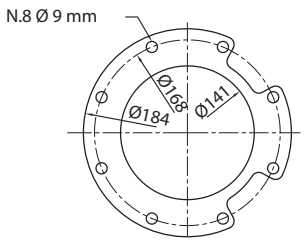
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	1200	1400	1600	1800	2000	2200	2400	2600	2800
			l/sec	0	20	23,33	26,67	30	33,33	36,67	40	43,33	46,67
			m³/h	0	72	84	96	108	120	132	144	156	168
8” MSC 124/1	7,5	10	H(m)	26	21	20	19	18	17	15	13	11	8
8” MSC 124/2	15	20		53	42	41	38	36	34	31	27	21	15
8” MSC 124/3	26	35		79	63	61	57	54	51	46	40	32	23
8” MSC 124/4	30	40		106	85	81	77	73	67	62	54	43	30
8” MSC 124/5	44	60		132	106	101	96	91	84	77	67	54	38
8” MSC 124/6	55	75		159	127	122	115	109	101	93	81	64	45
8” MSC 124/7	55	75		185	148	142	134	127	118	108	94	75	53
8” MSC 124/8	66	90		211	169	162	153	145	135	123	107	86	61
8” MSC 124/9	75	100		238	190	183	172	163	152	139	121	96	68
8” MSC 124/10	75	100		264	211	203	191	181	169	154	134	107	76
8” MSC 124/11	92	125		291	233	223	211	200	185	170	148	118	83
8” MSC 124/12	92	125		317	254	243	230	218	202	185	161	129	91
8” MSC 124/13	110	150		344	275	264	249	236	219	201	175	139	98
8” MSC 124/14	110	150		370	296	284	268	254	236	216	188	150	106





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
8” MSC 124/1	1228	527	701	55	23
8” MSC 124/2	1583	652	931	75	32
8” MSC 124/3	1958	777	1181	100	41
8” MSC 124/4	2153	902	1251	108	49
8” MSC 124/5	2150	1027	1123	178	58
8” MSC 124/6	2385	1152	1233	200	67
8” MSC 124/7	2510	1277	1233	200	75
8” MSC 124/8	2705	1402	1303	214	84
8” MSC 124/9	2910	1527	1383	230	93
8” MSC 124/10	3035	1652	1383	230	102
8” MSC 124/11	3360	1777	1583	270	110
8” MSC 124/12	3485	1902	1583	270	119
8” MSC 124/13	3760	2027	1733	300	128
8” MSC 124/14	3885	2152	1733	300	136

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 7,7

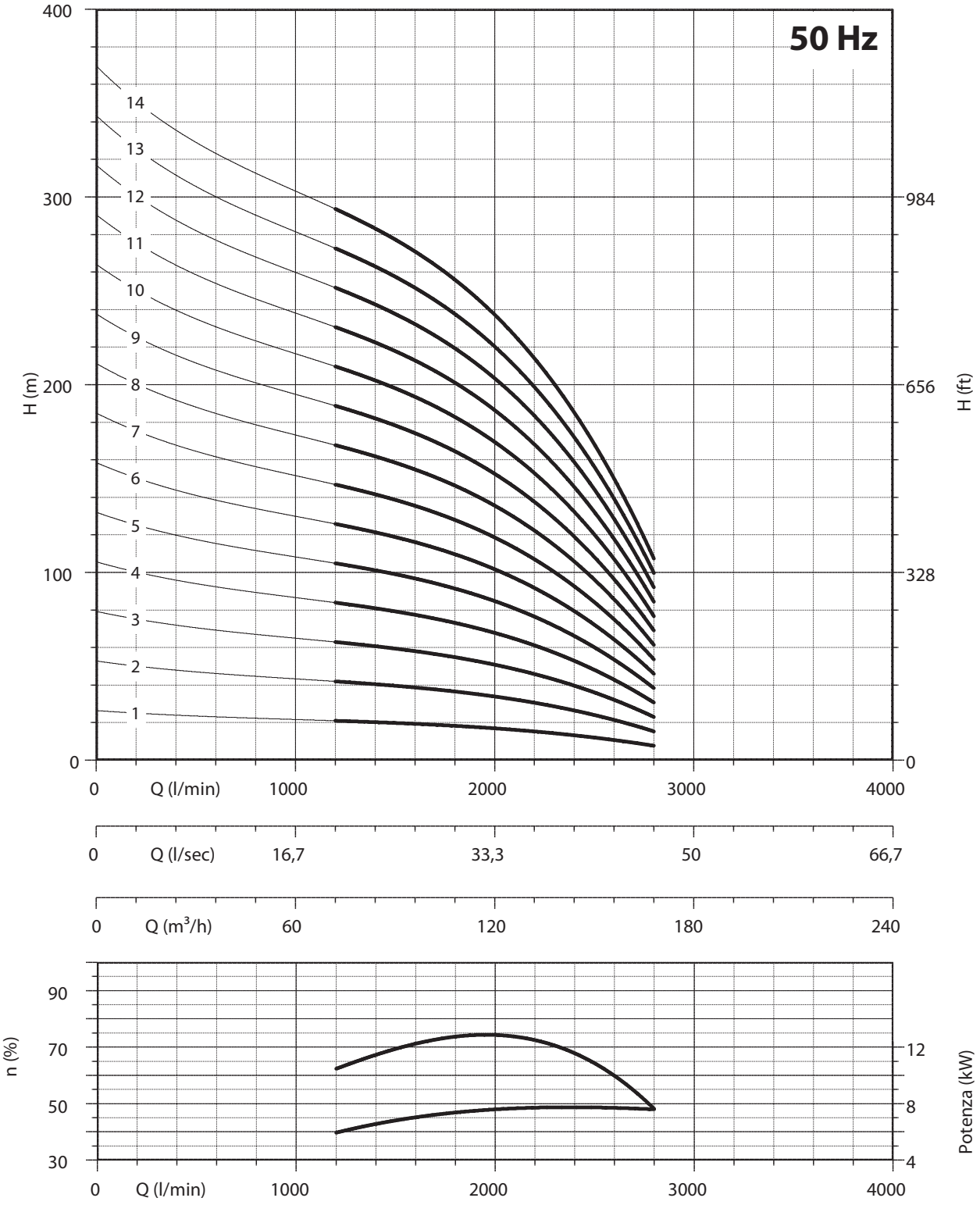
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSC 124

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
8” MSC 124	2,5	3	5	9

metro MADE IN ITALY

www.metropumps-italy.com

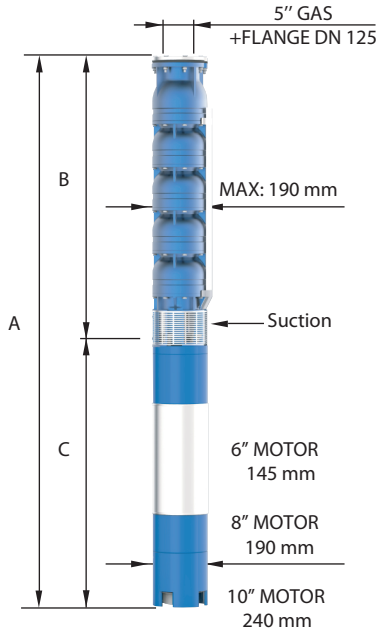
8” MSC 160

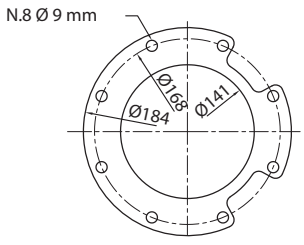
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power		l/min	0	1600	1800	2000	2200	2400	2600	2800	3000	3200
			l/sec	0	26,67	30	33,33	36,67	40	43,33	46,67	50	53,33
	kW	HP	m³/h	0	96	108	120	132	144	156	168	180	192
8” MSC 160/1	9,2	12,5		24	19	18	17	16	16	15	13	12	10
8” MSC 160/2	18,5	25		49	38	36	35	33	31	30	27	24	20
8” MSC 160/3	26	35		73	57	54	52	49	47	45	40	36	30
8” MSC 160/4	37	50		97	76	72	69	66	63	59	54	48	40
8” MSC 160/5	44	60		121	95	90	86	82	79	74	67	60	50
8” MSC 160/6	55	75		146	114	108	104	99	94	89	81	72	60
8” MSC 160/7	66	90	H(m)	170	133	126	121	115	110	104	94	84	70
8” MSC 160/8	75	100		194	152	144	138	131	126	119	107	96	80
8” MSC 160/9	75	100		219	171	162	156	148	141	134	121	108	90
8” MSC 160/10	92	125		243	190	180	173	164	157	149	134	120	100
8” MSC 160/11	92	125		267	209	198	190	181	173	163	148	132	110
8” MSC 160/12	110	150		291	228	216	207	197	189	178	161	144	120
8” MSC 160/13	110	150		316	247	234	225	214	204	193	175	156	130





FOR COMMERCIAL PIPE
EXTERNAL DIAMETER: 139,7 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	**A** mm Tri V 400	**B** mm	**C** mm Tri	**M** Kg Tri	**P** Kg
8” MSC 160/1	1303	552	751	60	24
8” MSC 160/2	1693	702	991	83	33
8” MSC 160/3	2033	852	1181	100	42
8” MSC 160/4	2343	1002	1341	118	51
8” MSC 160/5	2275	1152	1123	178	60
8” MSC 160/6	2535	1302	1233	200	69
8” MSC 160/7	2755	1452	1303	214	78
8” MSC 160/8	2985	1602	1383	230	87
8” MSC 160/9	3135	1752	1383	230	96
8” MSC 160/10	3485	1902	1583	270	105
8” MSC 160/11	3635	2052	1583	270	114
8” MSC 160/12	3935	2202	1733	300	123
8” MSC 160/13	4085	2352	1733	300	132

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 74 %

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 8,6

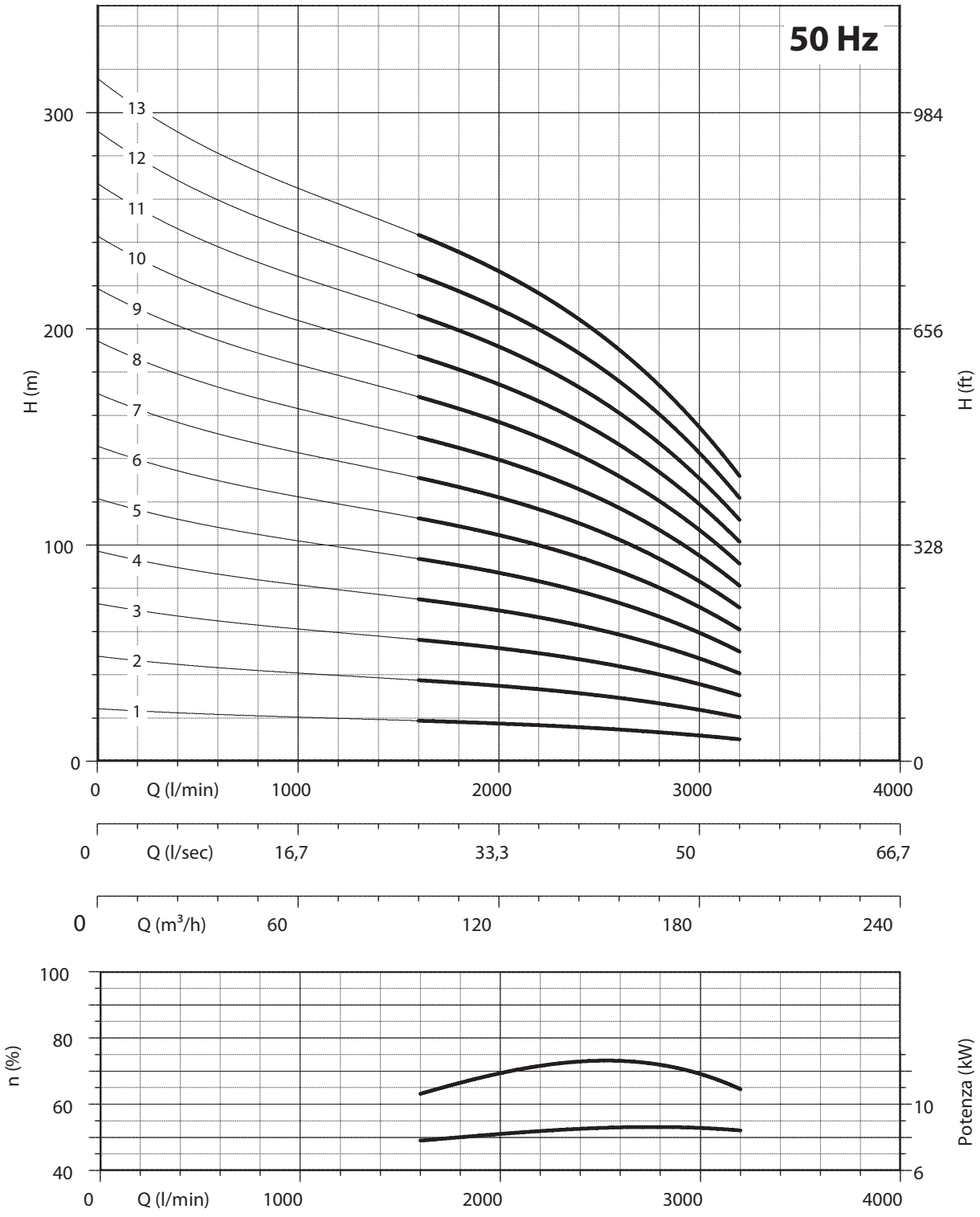
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

8” MSC 160

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
8” MSC 160	4	4,5	7	13

metro MADE IN ITALY

www.metropumps-italy.com

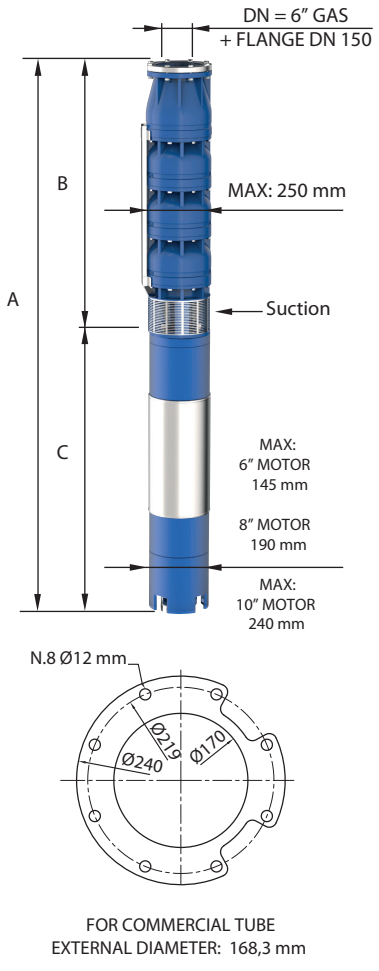
10” MSC 200

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	1800	2200	2600	3000	3400	3800
			l/sec	0	30	36,67	43,33	50	56,67	63,33
			m³/h	0	108	132	156	180	204	228
10” MSC 200/1 DR 20	15	20	H(m)	32	29	28	25	24	20	16
10” MSC 200/1 DR 10	18,5	25		37	33	31	29	27	22	18
10” MSC 200/1	22	30		42	37	35	32	30	25	20
10” MSC 200/2 DR 20	30	40		65	58	55	50	48	40	32
10” MSC 200/2 DR 10	37	50		73	66	62	57	54	45	36
10” MSC 200/2	44	60		83	74	70	64	60	50	40
10” MSC 200/3 DR 20	55	75		97	88	83	76	71	59	47
10” MSC 200/3 DR 10	55	75		110	99	94	86	80	67	53
10” MSC 200/3	66	90		125	111	105	96	90	75	60
10” MSC 200/4 DR 20	66	90		130	117	110	101	95	79	63
10” MSC 200/4 DR 10	75	100		146	132	125	114	107	90	71
10” MSC 200/4	75	100		166	148	140	128	120	100	80
10” MSC 200/5 DR 20	75	100		162	146	138	126	119	99	79
10” MSC 200/5 DR 10	92	125		183	165	156	143	134	112	89
10” MSC 200/5	110	150		208	185	175	160	150	125	100
10” MSC 200/6 DR 20	92	125		194	175	166	151	143	119	95
10” MSC 200/6 DR 10	110	150		220	198	187	172	161	134	107
10” MSC 200/6	129	175		250	222	210	192	180	150	120
10” MSC 200/7 DR 20	110	150		227	204	193	176	167	139	111
10” MSC 200/7 DR 10	129	175		256	231	218	200	188	157	125
10” MSC 200/7	147	200		291	259	245	224	210	175	140
10” MSC 200/8 DR 20	129	175		259	234	221	202	190	158	126
10” MSC 200/8 DR 10	147	200		293	264	250	229	214	179	142
10” MSC 200/8	165	225		333	296	280	256	240	200	160



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSC 200/1 DR 20	1556	625	931	75	50
10” MSC 200/1 DR 10	1616	625	991	83	50
10” MSC 200/1	1696	625	1071	92	50
10” MSC 200/2 DR 20	2056	805	1251	108	68
10” MSC 200/2 DR 10	2146	805	1341	118	68
10” MSC 200/2	1928	805	1123	178	68
10” MSC 200/3 DR 20	2218	985	1233	200	87
10” MSC 200/3 DR 10	2218	985	1233	200	87
10” MSC 200/3	2288	985	1303	214	87
10” MSC 200/4 DR 20	2468	1165	1303	214	105
10” MSC 200/4 DR 10	2548	1165	1383	230	105
10” MSC 200/4	2548	1165	1383	230	105
10” MSC 200/5 DR 20	2728	1345	1383	230	124
10” MSC 200/5 DR 10	2928	1345	1583	270	124
10” MSC 200/5	3078	1345	1733	300	124
10” MSC 200/6 DR 20	3108	1525	1583	270	142
10” MSC 200/6 DR 10	3258	1525	1733	300	142
10” MSC 200/6	3159	1525	1634	385	142
10” MSC 200/7 DR 20	3438	1705	1733	300	161
10” MSC 200/7 DR 10	3339	1705	1634	385	161
10” MSC 200/7	3439	1705	1734	415	161
10” MSC 200/8 DR 20	3519	1885	1634	385	179
10” MSC 200/8 DR 10	3619	1885	1734	415	179
10” MSC 200/8	3739	1885	1854	444	179

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 75,5% | **DR 10 Max 75%** | **DR 20 Max 74%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 19,4 | **DR 10 Max 17,5** | **DR 20 Max 15,7**

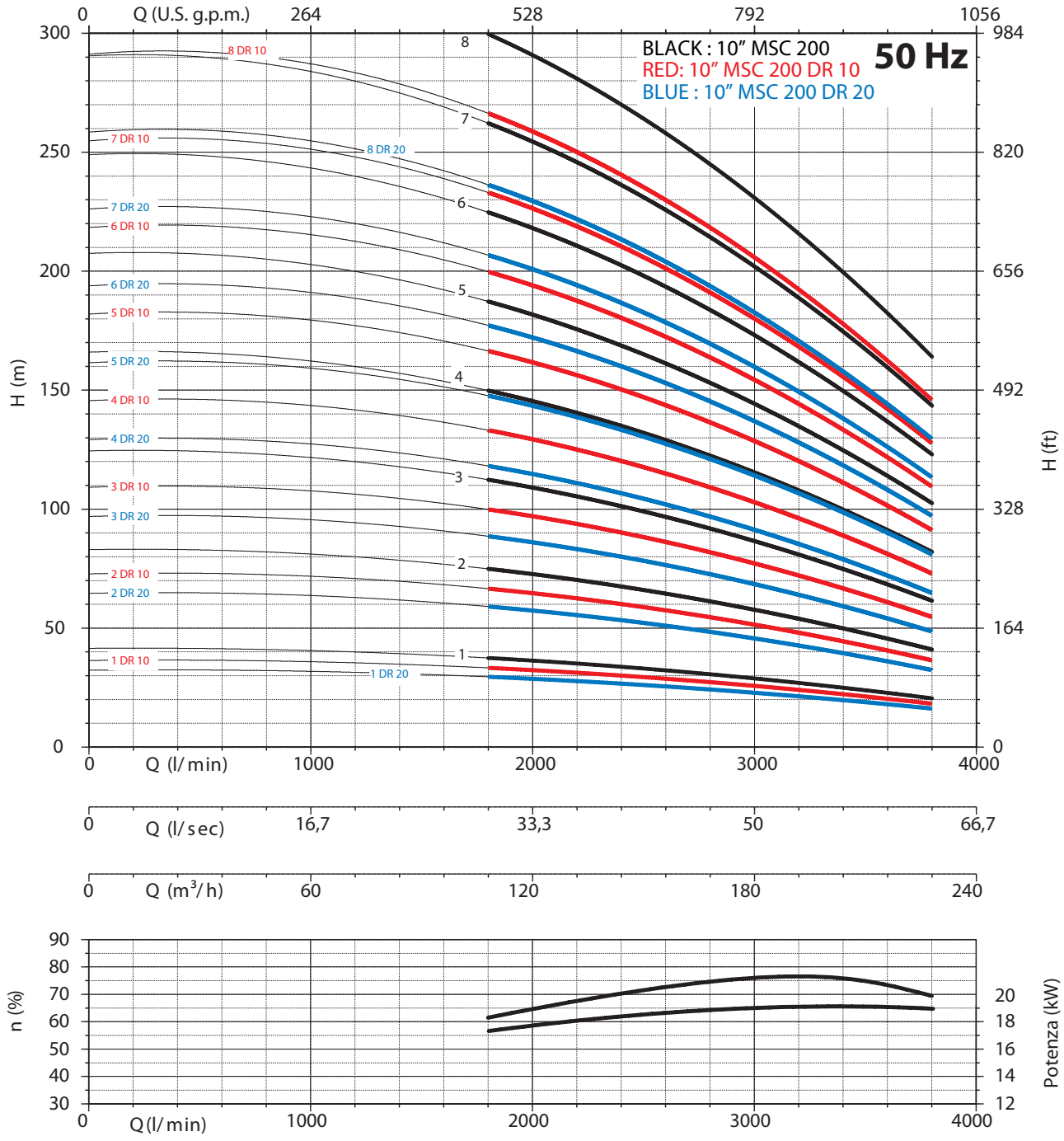
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSC 200

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
10” MSC 200	3,6	5,3	8,1	14

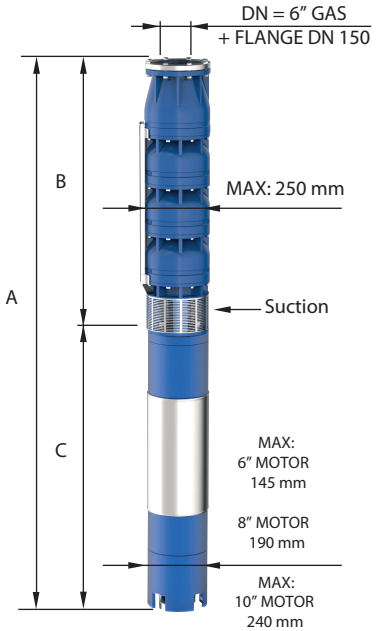
10” MSC 220

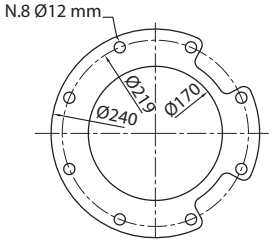
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	2200	2600	3000	3400	3800	4200	4400
			l/sec	0	36,67	43,33	50	56,67	63,33	70	73,33
			m³/h	0	132	156	180	204	228	252	264
10” MSC 220/1 DR 20	18,5	25		34	29	28	26	24	22	19	16
10” MSC 220/1 DR 10	22	30		38	33	31	29	27	25	21	17
10” MSC 220/1	22	30		43	37	35	33	30	28	24	22
10” MSC 220/2 DR 20	37	50		68	58	55	52	48	44	38	33
10” MSC 220/2 DR 10	44	60		77	66	62	59	54	50	43	35
10” MSC 220/2	44	60		86	74	70	66	60	56	48	44
10” MSC 220/3 DR 20	55	75		102	88	83	78	71	67	57	49
10” MSC 220/3 DR 10	66	90		115	99	94	88	80	75	64	52
10” MSC 220/3	75	100		129	111	105	99	90	84	72	66
10” MSC 220/4 DR 20	75	100		136	117	110	104	95	89	76	66
10” MSC 220/4 DR 10	92	125	H(m)	154	132	125	118	107	100	86	70
10” MSC 220/4	92	125		172	148	140	132	120	112	96	88
10” MSC 220/5 DR 20	92	125		170	146	138	130	119	111	95	82
10” MSC 220/5 DR 10	110	150		192	165	156	147	134	125	107	87
10” MSC 220/5	129	175		215	185	175	165	150	140	120	110
10” MSC 220/6 DR 20	110	150		204	175	166	156	143	133	114	98
10” MSC 220/6 DR 10	129	175		230	198	187	176	161	150	128	104
10” MSC 220/6	147	200		258	222	210	198	180	168	144	132
10” MSC 220/7 DR 20	129	175		238	204	193	182	167	155	133	115
10” MSC 220/7 DR 10	147	200		269	231	218	206	188	175	150	122
10” MSC 220/7	165	225		301	259	245	231	210	196	168	154





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSC 220/1 DR 20	1616	625	991	83	50
10” MSC 220/1 DR 10	1696	625	1071	92	50
10” MSC 220/1	1696	625	1071	92	50
10” MSC 220/2 DR 20	2146	805	1341	118	68
10” MSC 220/2 DR 10	1928	805	1123	178	68
10” MSC 220/2	1928	805	1123	178	68
10” MSC 220/3 DR 20	2218	985	1233	200	87
10” MSC 220/3 DR 10	2288	985	1303	214	87
10” MSC 220/3	2368	985	1383	230	87
10” MSC 220/4 DR 20	2548	1165	1383	230	105
10” MSC 220/4 DR 10	2748	1165	1583	270	105
10” MSC 220/4	2748	1165	1583	270	105
10” MSC 220/5 DR 20	2928	1345	1583	270	124
10” MSC 220/5 DR 10	3078	1345	1733	300	124
10” MSC 220/5	2979	1345	1634	385	124
10” MSC 220/6 DR 20	3258	1525	1733	300	142
10” MSC 220/6 DR 10	3159	1525	1634	385	142
10” MSC 220/6	3259	1525	1734	415	142
10” MSC 220/7 DR 20	3339	1705	1634	385	161
10” MSC 220/7 DR 10	3439	1705	1734	415	161
10” MSC 220/7	3559	1705	1854	444	161

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76,5% | **DR 10 Max 76%** | **DR 20 Max 75,5%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 23 | **DR 10 Max 20,5** | **DR 20 Max 18,3**

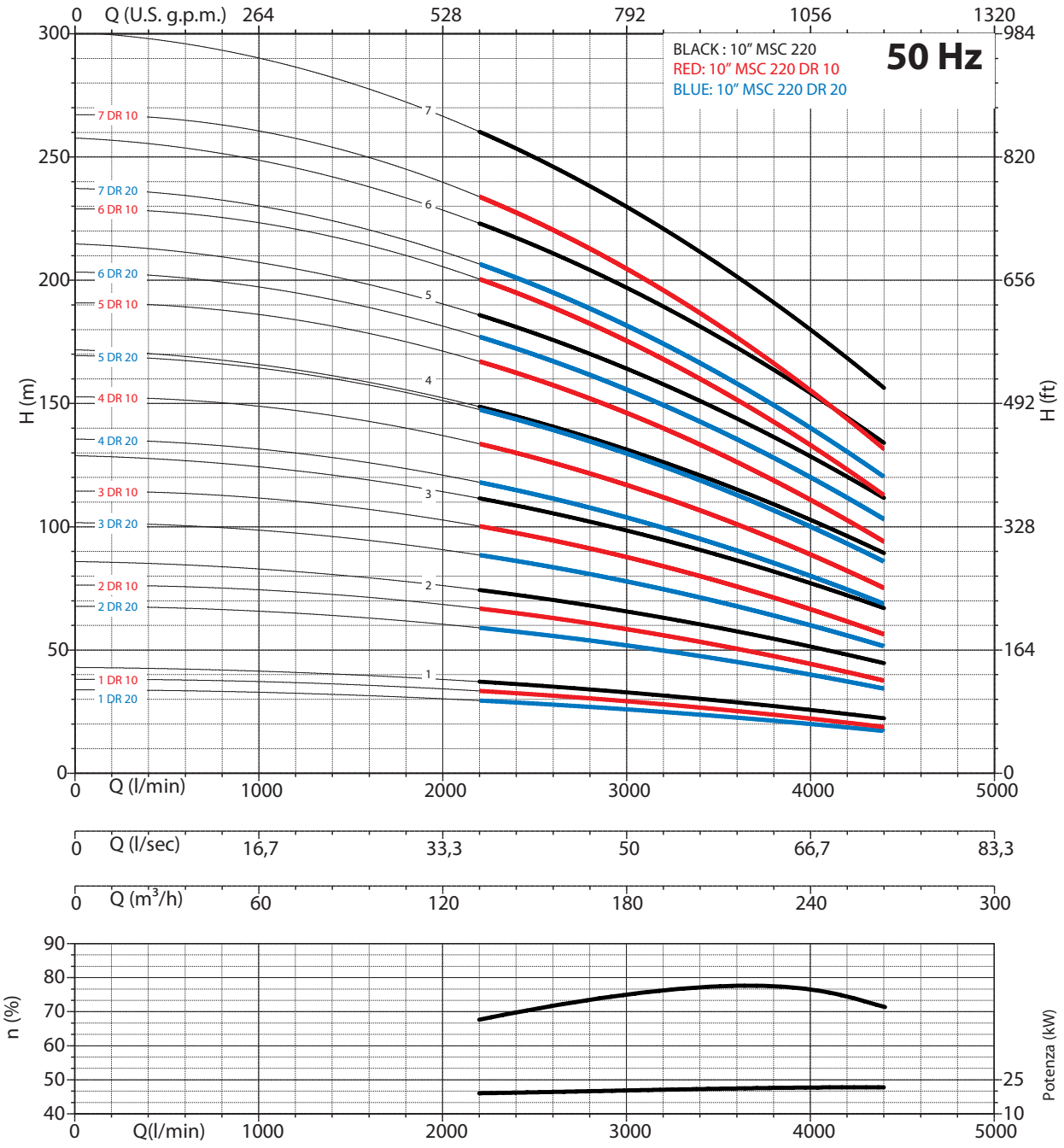
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSC 220

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
10” MSC 220	3,7	5,4	8,3	14,2

metro MADE IN ITALY

www.metropumps-italy.com

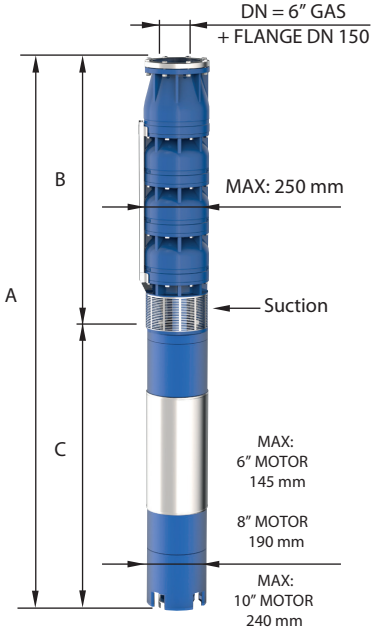
10” MSC 240

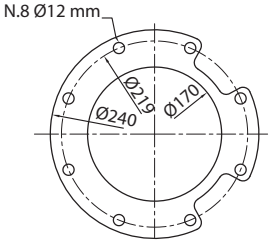
Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

CARATTERISTICHE IDRAULICHE - HYDRAULIC PERFORMANCES

Q= Portata - Capacity - Debit **50 Hz** **n= 2900 min**

Tipo Type	Power kW	Power HP	l/min	0	2400	2800	3200	3600	4000	4400	4800	5000
			l/sec	0	40	46,67	53,33	60	66,67	73,33	80	83,33
			m³/h	0	144	168	192	216	240	264	288	300
10” MSC 240/1 DR 20	22	30	H(m)	34	28	27	26	25	22	21	18	17
10” MSC 240/1 DR 10	26	35		38	32	30	29	28	25	23	20	20
10” MSC 240/1	26	35		43	36	34	33	31	28	26	23	22
10” MSC 240/2 DR 20	44	60		68	57	54	52	49	44	41	36	35
10” MSC 240/2 DR 10	55	75		77	64	61	59	55	50	46	41	39
10” MSC 240/2	55	75		86	72	68	66	62	56	52	46	44
10” MSC 240/3 DR 20	66	90		102	85	81	79	74	67	62	55	52
10” MSC 240/3 DR 10	75	100		115	96	91	88	83	75	70	61	59
10” MSC 240/3	92	125		129	108	102	99	93	84	78	69	66
10” MSC 240/4 DR 20	92	125		136	114	108	105	98	89	82	73	70
10” MSC 240/4 DR 10	92	125		154	128	122	118	110	100	93	82	78
10” MSC 240/4	110	150		172	144	136	132	124	112	104	92	88
10” MSC 240/5 DR 20	110	150		170	142	135	131	123	111	103	91	87
10” MSC 240/5 DR 10	129	175		192	160	152	147	138	125	116	102	98
10” MSC 240/5	129	175		215	180	170	165	155	140	130	115	110
10” MSC 240/6 DR 20	129	175		204	170	162	157	148	133	124	109	104
10” MSC 240/6 DR 10	147	200		230	192	182	176	166	150	139	122	118
10” MSC 240/6	165	225		258	216	204	198	186	168	156	138	132
10” MSC 240/7 DR 20	165	225		238	199	189	183	172	155	144	127	122
10” MSC 240/7 DR 10	165	225		269	224	213	206	193	175	162	143	137





FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Type	A mm Tri V 400	B mm	C mm Tri	M Kg Tri	P Kg
10” MSC 240/1 DR 20	1696	625	1071	92	50
10” MSC 240/1 DR 10	1806	625	1181	100	50
10” MSC 240/1	1806	625	1181	100	50
10” MSC 240/2 DR 20	1928	805	1123	178	68
10” MSC 240/2 DR 10	2038	805	1233	200	68
10” MSC 240/2	2038	805	1233	200	68
10” MSC 240/3 DR 20	2288	985	1303	214	87
10” MSC 240/3 DR 10	2368	985	1383	230	87
10” MSC 240/3	2568	985	1583	270	87
10” MSC 240/4 DR 20	2748	1165	1583	270	105
10” MSC 240/4 DR 10	2748	1165	1583	270	105
10” MSC 240/4	2898	1165	1733	300	105
10” MSC 240/5 DR 20	3078	1345	1733	300	124
10” MSC 240/5 DR 10	2979	1345	1634	385	124
10” MSC 240/5	2979	1345	1634	385	124
10” MSC 240/6 DR 20	3159	1525	1634	385	142
10” MSC 240/6 DR 10	3259	1525	1734	415	142
10” MSC 240/6	3379	1525	1854	444	142
10” MSC 240/7 DR 20	3559	1705	1854	444	161
10” MSC 240/7 DR 10	3559	1705	1854	444	161

n% = Rendimento della pompa
n% = Rendement de la pompe
n% = Pump efficiency
n% = Rendimiento de la bomba

Max 76,5% | **DR 10 Max 76%** | **DR 20 Max 75,5%**

kW/st = Assorbimento per stadio
kW/st = Absorption par étage
kW/st = Stage absorption
kW/st = Potencia absorbida por etapa

Max 26,3 | **DR 10 Max 23,5** | **DR 20 Max 21,9**

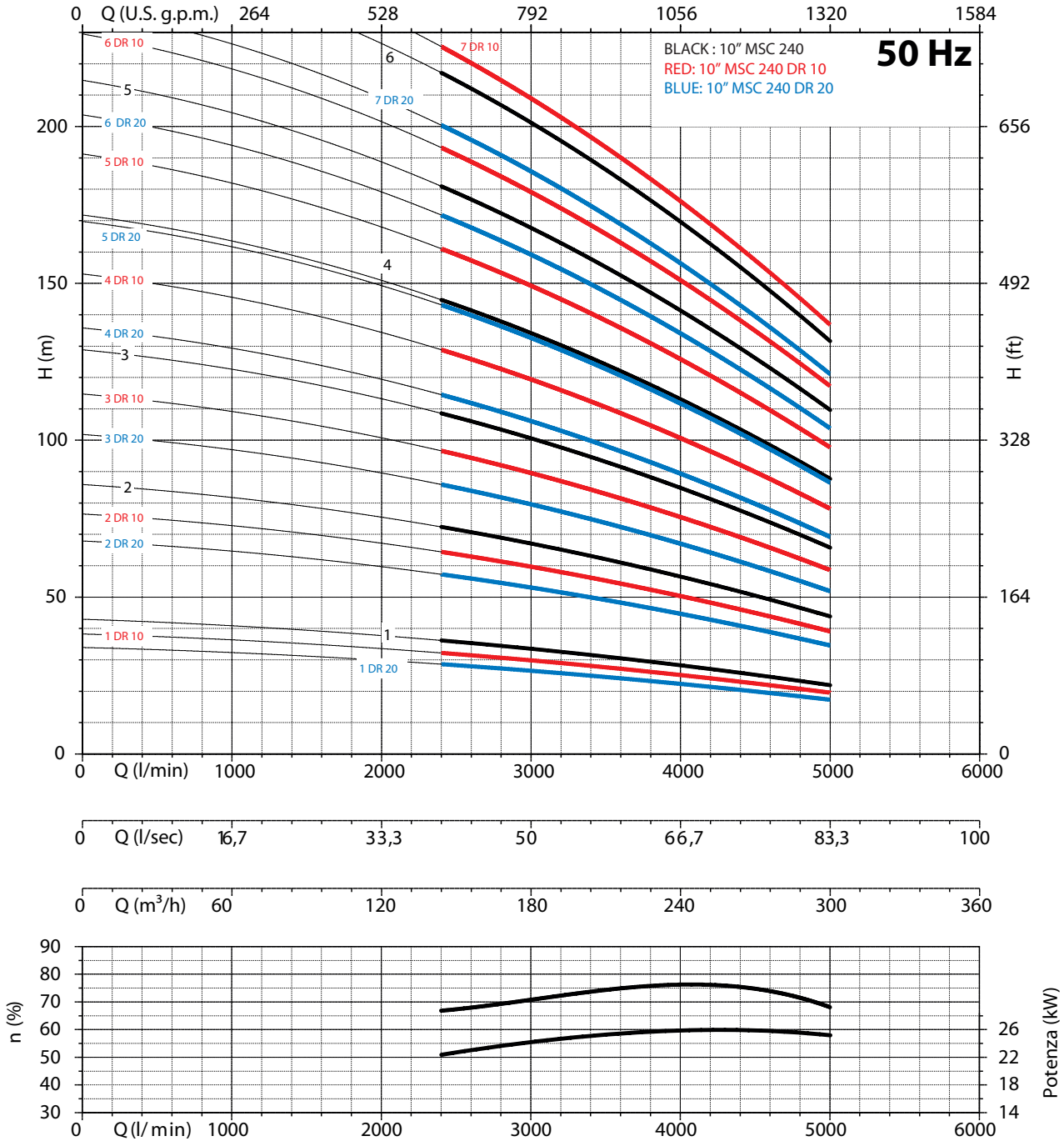
Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

metro MADE IN ITALY

www.metropumps-italy.com

10” MSC 240

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



NPSH (m)	25%	50%	75%	100%
10” MSC 240	3,9	5,5	8,5	14,4

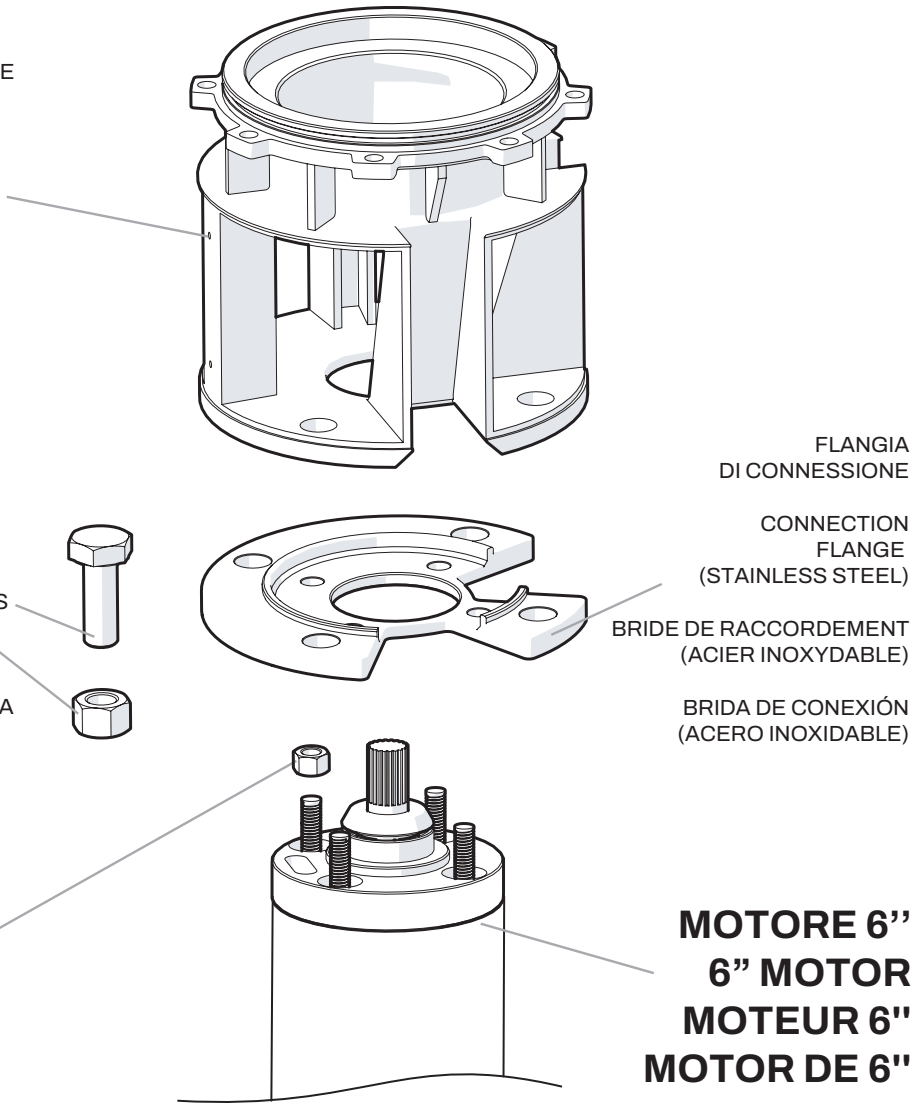
metro MADE IN ITALY

www.metropumps-italy.com

10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

POMPA 10” ACCOPPIATA A MOTORE 6”
10’’ PUMP COUPLING WITH 6’’ MOTOR
ACCOUPLEMENT DE POMPE 10'' AVEC MOTEUR 6''
ACOPLAMIENTO DE BOMBA DE 10'' CON MOTOR DE 6''



Tolleranze secondo UNI ISO 9906 livello 3B - Tolerances according to UNI ISO 9906 grade 3B

6”-10” 50Hz

MSC

Clean
Civil
Industry
Fire
Agriculture

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast Iron
Pompe submersible semi-axiale - Fonte
Bomba sumergible semiaxial - Hierro fundido



Tolleranza alla sabbia 50 g/m³
Sand tolerance 50 g/m³
Tolérance au sable 50 g/m³
Tolerancia de arena 50 g/m³

Alta affidabilità
High reliability
Haute fiabilité
Alta confiabilidad

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

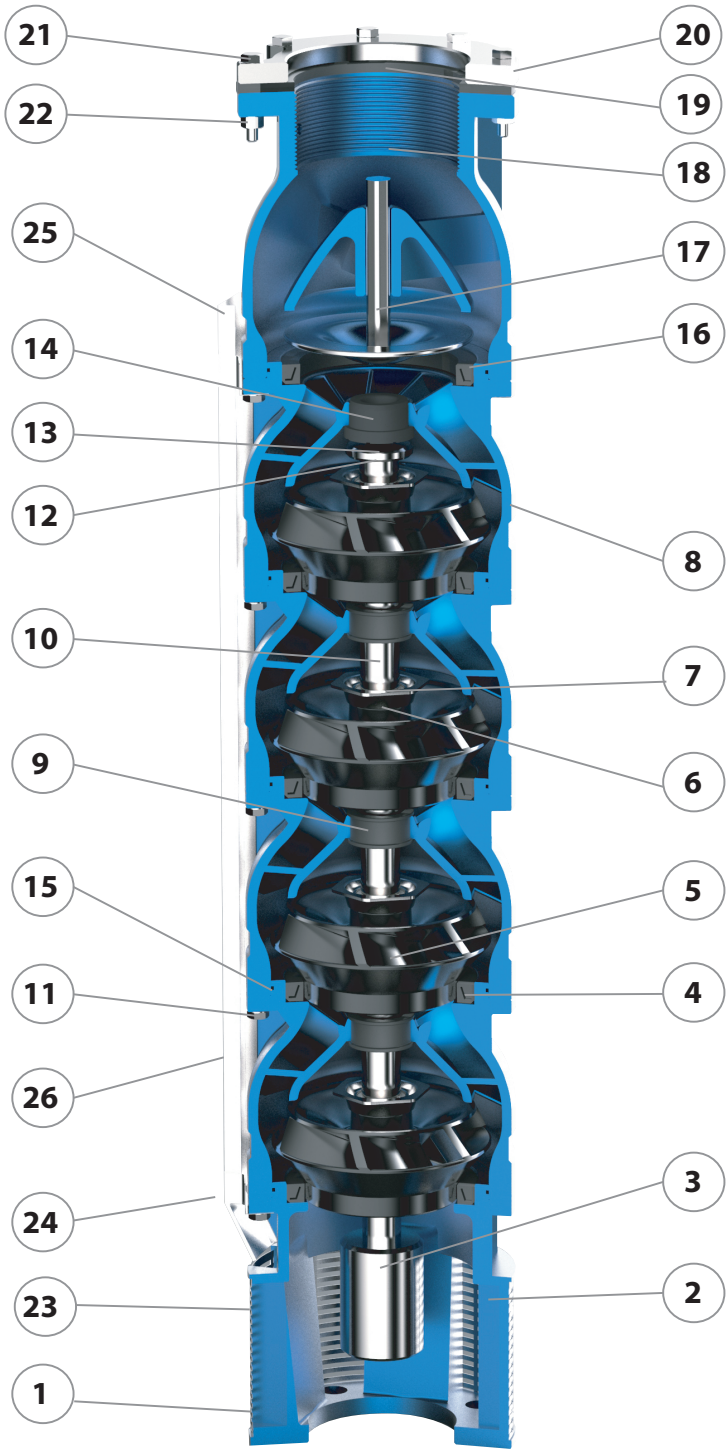
MADE IN ITALY

www.metropumps-italy.com

metro MADE IN ITALY

6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron





Controsospensione speciale per pompe 8” / 10”, fino a 2 stadi.

Counterthrust for pumps 8” / 10”, up to 2 stages.

Contresuspension spéciale pour pompes 8” / 10”, jusqu'à 2 étages.

Contra-suspensión especial para bombas 8” / 10” , hasta 2 etapas.

metro MADE IN ITALY

www.metropumps-italy.com

6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	GHISA	IMPELLER	CAST IRON
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	GHISA	DIFFUSEUR	CAST IRON
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.8 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	GHISA	BODY VALVE	CAST IRON
19	UARNIZIONE CONTROFLANGIA	GOMMA NBR	SEAL COUNTERFLANGE	RUBBER NBR
20	CONTROFLANGIA	FERRO	COUNTERFLANGE	IRON
21	N. 8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR COUNTERFLANGE	AISI 304
22	N. 8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N.8 NUT FOR COUNTERFLANGE	AISI 304
23	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D'ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	FONTE	IMPULSOR	HIERRO FUNDIDO
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	FONTE	DIFUSOR	HIERRO FUNDIDO
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	CORPS DE VALVE	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC NBR	JUNTA CONTRE-BRIDA	GOMA NBR
20	CONTREBRIDE	FER	CONTRE-BRIDA	HIERRO
21	N. 8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
22	N. 8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
23	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304

14 BIS

CONTROSOSPENSIONE SPECIALE PER POMPE 8” / 10”, FINO A 2 STADI
SPECIAL SUSPENSION FOR PUMPS 8 ” / 10 ”, UP TO 2 STAGES
CONTRE SUSPENSION SPÉCIALE POUR POMPES 8 ” / 10 ”, JUSQU'À 2 ÉTAGES
SUSPENSIÓN ESPECIAL PARA BOMBAS 8 ” / 10 ”, HASTA 2 ETAPAS

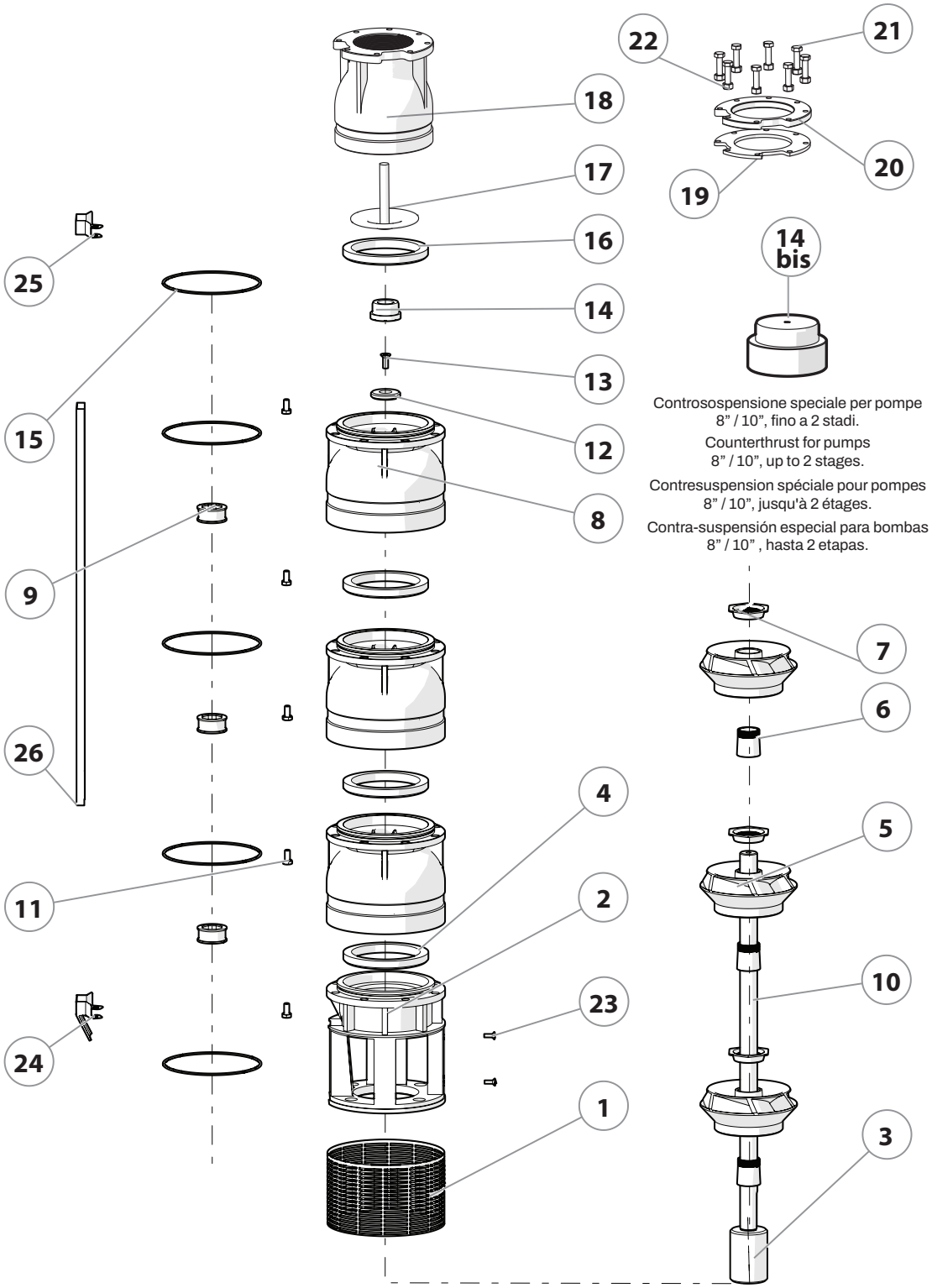
PTFE +25 CARBONE
PTFE + 25 CARBON
PTFE + 25% GRAPHITE
PTFE + 25% GRAPHITE

metro MADE IN ITALY

www.metropumps-italy.com

6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron



Controsospensione speciale per pompe 8” / 10”, fino a 2 stadi.

Counterthrust for pumps 8” / 10”, up to 2 stages.

Contresuspension spéciale pour pompes 8” / 10”, jusqu'à 2 étages.

Contra-suspensión especial para bombas 8” / 10” , hasta 2 etapas.

6” - 10” MSC

Pompa sommersa semiassiale - Ghisa
Semiaxial submersible pump - Cast iron

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA NBR	USURY RING	RUBBER NBR
5	GIRANTE	GHISA	IMPELLER	CAST IRON
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	GHISA	DIFFUSEUR	CAST IRON
9	BRONZINA	GOMMA NBR	BEARING BUSH	RUBBER NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N. 8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.8 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	GUARNIZIONE FARFALLA	GOMMA NBR	GASKET VALVE	RUBBER NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	GHISA	BODY VALVE	CAST IRON
19	UARNIZIONE CONTROFLANGIA	GOMMA NBR	SEAL COUNTERFLANGE	RUBBER NBR
20	CONTROFLANGIA	FERRO	COUNTERFLANGE	IRON
21	N. 8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N. 8 SCREWS FOR COUNTERFLANGE	AISI 304
22	N. 8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N.8 NUT FOR COUNTERFLANGE	AISI 304
23	N. 2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXIDABLE AISI 304
2	CAGE D'ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXIDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC NBR	ANILLO DE DESGASTE	GOMA NBR
5	ROUE	FONTE	IMPULSOR	HIERRO FUNDIDO
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXIDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXIDABLE AISI 304
8	DIFFUSEUR	FONTE	DIFUSOR	HIERRO FUNDIDO
9	COUSSINET	CAOUTCHOUC NBR	COJINETE	GOMA NBR
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXIDABLE AISI 304
11	N. 8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS DIFUSOR	ACERO INOXIDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXIDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	GASKET VALVE	CAOUTCHOUC NBR	JUNTA DE VALVULA	GOMA NBR
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXIDABLE AISI 304
18	CORPS DE VALVE	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC NBR	JUNTA CONTRE-BRIDA	GOMA NBR
20	CONTREBRIDE	FER	CONTRE-BRIDA	HIERRO
21	N. 8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
22	N. 8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXIDABLE AISI 304
23	N. 2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS REJILLA	ACERO INOXIDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXIDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXIDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXIDABLE AISI 304

14 BIS

CONTROSOSPENSIONE SPECIALE PER POMPE 8” / 10”, FINO A 2 STADI
SPECIAL SUSPENSION FOR PUMPS 8 ” / 10 ”, UP TO 2 STAGES
CONTRE SUSPENSION SPÉCIALE POUR POMPES 8 ” / 10 ”, JUSQU'À 2 ÉTAGES
SUSPENSIÓN ESPECIAL PARA BOMBAS 8 ” / 10 ”, HASTA 2 ETAPAS

PTFE +25 CARBONE
PTFE + 25 CARBON
PTFE + 25% GRAPHITE
PTFE + 25% GRAPHITE

NOTES

4”

MWX

50Hz

Motore sommerso a bagno d’olio
Oil filled submersible motor
Moteur submersible rempli d’huile
Motor sumergible lleno de aceite

Clean
Civil
Industry
Fire
Agriculture

Motore con cavo plug-in
Plug-in cable motor
Moteur à câble enfichable
Motor con cable enchufable

Componenti compatibili con acqua potabile
Drinking water compatible components
Composants compatibles avec l’eau potable
Componentes compatibles con agua potable

Connettore elettrico Plug-in
Plug-in electrical connector
Connecteur électrique enfichable
Conector eléctrico enchufable



metro

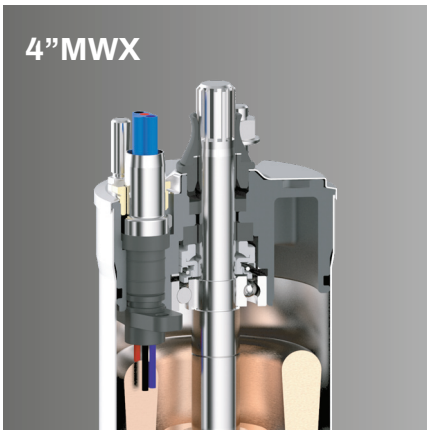
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4” MWX

Motore sommerso - a bagno d’olio
Oil filled - submersible motor
Moteur immergé - à bain d’huil
Motor sumergido - en baño de aceite

Connettore elettrico resinato Plug-in
Il connettore resinato plug-in garantisce una tenuta efficace all’acqua, consente una configurazione customizzabile ma standardizzata, inoltre permette una manutenzione più facile e di conseguenza una riduzione dei tempi e dei costi.

Resin electrical plug-in connector
The resin-bonded connector provides an effective watertight seal, allows a customisable yet standardised configuration and also facilitates maintenance, reducing time and cost.

Connecteur électrique enfichable en résine
Le connecteur lié à la résine assure une étanchéité efficace, permet une configuration personnalisable mais standardisée et facilite également la maintenance, réduisant ainsi le temps et les coûts.

Conector eléctrico enchufable de resina
El conector unido con resina proporciona un sellado hermético eficaz, permite una configuración personalizable pero estandarizada y también facilita el mantenimiento, reduciendo tiempos y costes.







4” MWX

Motore sommerso - a bagno d’olio
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Le falde sono ovunque e rappresentano circa il 30% dell’acqua dolce presente sulla terra, il restante 69% si trova intrappolato nelle calotte glaciali, nella neve di montagne, ghiacciai e l’1% in acque superficiali (fiumi e laghi).
In media, un terzo dell’acqua dolce consumata per tutti gli usi a livello globale è costituita da acqua di falda, che contribuisce anche per circa il 50% dell’acqua potabile utilizzata globalmente. Il 43% dell’acqua utilizzata per l’irrigazione a livello mondiale venga prelevata dalle falde.

Groundwater is everywhere and accounts for about 30% of the world’s freshwater, with the remaining 69% trapped in ice caps, snow on mountains, glaciers and 1% in surface water (rivers and lakes).
On average, one third of the freshwater used for all purposes worldwide is groundwater, which also provides about 50% of the drinking water used worldwide. 43% of the world’s water used for irrigation comes from groundwater.

Les eaux souterraines sont omniprésentes et représentent environ 30 % de l’eau douce mondiale. Les 69 % restants sont emprisonnés dans les calottes glaciaires, la neige des montagnes et les glaciers, et 1 % dans les eaux de surface (rivières et lacs).
En moyenne, un tiers de l’eau douce utilisée à toutes fins dans le monde est souterraine, et elle fournit également environ 50 % de l’eau potable utilisée dans le monde. 43 % de l’eau utilisée pour l’irrigation mondiale provient des eaux souterraines.

El agua subterránea está presente en todas partes y representa aproximadamente el 30 % del agua dulce del mundo. El 69 % restante se encuentra atrapado en los casquetes polares, la nieve de las montañas y los glaciares, y el 1 % restante en las aguas superficiales (ríos y lagos).
En promedio, un tercio del agua dulce utilizada para cualquier propósito en todo el mundo es agua subterránea, que también proporciona aproximadamente el 50 % del agua potable que se utiliza en todo el mundo. El 43 % del agua mundial utilizada para riego proviene de aguas subterráneas.

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4” MWX

Motore sommerso - a bagno d’olio
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Moteur immergé - à bain d’huil
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MOTORE SOMMERSO 4’’- SERIE MWX - CONNETTORE ELETTRICO PLUG-IN

I motori sommersi 4” MWX lavorano in pozzi con acqua con temperatura non superiore ai 35 °C un PH compreso tra 6,5 e 8,0. L’alimentazione può essere monofase o trifase. I motori sono adatti al funzionamento tramite inverter. Questi prodotti vengono impiegati di solito in installazioni verticali. Tuttavia, i motori possono essere installati orizzontalmente, sempre e comunque dopo previa conferma del nostro ufficio tecnico e la valutazione globale dell’applicazione richiesta. I motori elettrici da 4” garantiscono un funzionamento affidabile in pozzi con diametro uguale o maggiore a 4”. I cuscinetti assiali e radiali lubrificati dall’olio consentono un’operatività senza interventi di manutenzione. La compensazione di pressione all’interno del motore è assicurata da una membrana speciale.

Classe di isolamento: F - Classe di protezione: IP68

MODELLI DISPONIBILI

- Monofase da 0,37 Kw a 2,2 kW (V 230) - 50 Hz
- Trifase da 0,37 Kw a 7,5 kW (V 400) - 50 Hz
- Disponibile anche a 60 Hz e tensioni speciali

4’’ SUBMERSIBLE MOTOR - MWX SERIES - PLUG-IN ELECTRIC CONNECTOR

The 4” MWX submersible motors operate in wells with water temperatures below 35 °C and a pH value ranging from 6.5 to 8.0. The power supply may be single-phase or three-phase, and the motors are suitable for inverter operation. These products are typically used in vertical installations. However, horizontal installation of motors is possible only after confirmation by our technical department and overall evaluation of the required application. The 4” electric motors ensure reliable operation in wells with a diameter equal to or greater than 4”. Maintenance-free operation is ensured by oil-lubricated axial and radial bearings. A special diaphragm provides pressure compensation within the motor.

Insulation class: F - Protection class: IP68

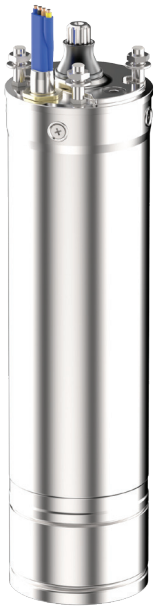
AVAILABLE MODELS

- Single-phase from 0.37 kW to 2.2 kW (V 230) - 50
- Three-phase from 0.37 Kw to 7.5 kW (V 400) - 50 Hz
- Also available in 60 Hz and special voltages

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4” MWX

Motore sommerso - a bagno d’olio
Oil filled - submersible motor
Moteur immergé - à bain d’huil
Motor sumergido - en baño de aceite



MOTEUR IMMERGÉ 4’’ - SÉRIE MWX - CONNECTEUR ÉLECTRIQUE ENFICHABLE

Les moteurs submersibles MWX de 4” fonctionnent dans des puits dont la température de l’eau est inférieure à 35 °C et dont le pH est compris entre 6,5 et 8,0. L’alimentation électrique peut être monophasée ou triphasée, et les moteurs sont adaptés au fonctionnement par onduleur. Ces appareils sont généralement utilisés dans des installations verticales. Toutefois, l’installation horizontale des moteurs n’est possible qu’après confirmation par notre service technique et évaluation globale de l’application requise. Les moteurs électriques 4” garantissent un fonctionnement fiable dans les puits d’un diamètre égal ou supérieur à 4”. Le fonctionnement sans entretien est assuré par des roulements axiaux et radiaux lubrifiés à l’huile. Une membrane spéciale assure la compensation de la pression à l’intérieur du moteur.

Classe d’isolation : F - Classe de protection : IP68

MODÈLES DISPONIBLES

- Monophasé de 0,37 kW à 2,2 kW (V 230) - 50 Hz
- Triphasé de 0,37 kW à 7,5 kW (V 400) - 50 Hz
- Également disponible à 60 Hz et à des tensions spéciales

MOTOR SUMERGIBLE DE 4” - SERIE MWX - CONECTOR ELÉCTRICO ENCHUFABLE

Los motores sumergibles de 4” MWX funcionan en pozos con temperaturas del agua no superiores a 35 °C y un valor de pH comprendido entre 6,5 y 8,0. La alimentación puede ser monofásica o trifásica. Los motores son aptos para el funcionamiento con inversor. Estos productos suelen utilizarse en instalaciones verticales. No obstante, los motores pueden instalarse en horizontal, siempre previa confirmación por parte de nuestro departamento técnico y evaluación global de la aplicación requerida. Los motores eléctricos de 4” garantizan un funcionamiento fiable en pozos con un diámetro igual o superior a 4”. Los cojinetes axiales y radiales lubricados por aceite permiten un funcionamiento sin mantenimiento. La compensación de la presión dentro del motor se realiza mediante una membrana especial.

Clase de aislamiento: F - Clase de protección: IP68

MODELOS DISPONIBLES

- Monofásico de 0,37 kW a 2,2 kW (V 230) - 50 Hz
- Trifásico de 0,37 kW a 7,5 kW (V 400) - 50 Hz
- También disponible a 60 Hz y tensiones especiales

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4” MWX 24

Motore sommerso - a bagno d’olio
Oil filled - submersible motor

DATI TECNICI - TECHNICAL DATA

50 Hz n= 2900 min

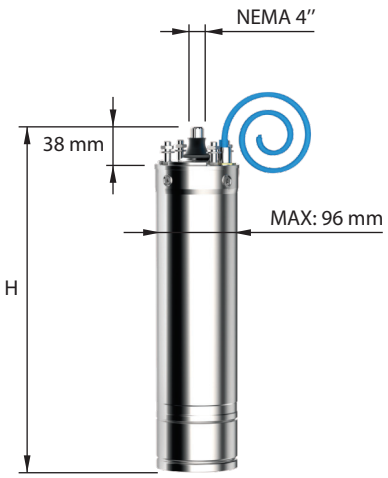
Single Phase	Power		V230	Capacitor	DN	Axial Thrust (N)	Cos Φ	Standard cable lenght
	kW	HP	A	µF				m
MWX 4005 M	0,37	0,5	3,5	16	4”	2500 N	0,97	1,5
MWX 4007 M	0,55	0,75	4,9	20		2500 N	0,97	1,5
MWX 4010 M	0,75	1	6,5	30		2500 N	0,97	1,5
MWX 4015 M	1,1	1,5	9,4	40		2500 N	0,97	1,5
MWX 4020 M	1,5	2	11,5	50		2500 N	0,97	1,5
MWX 4030 M	2,2	3	14,7	75		2500 N	0,97	1,5

Three Phase	Power		V400	DN	Axial Thrust (N)	Cos Φ	Standard cable lenght
	kW	HP	A				m
MWX 4007 T	0,55	0,75	1,7	4”	2500 N	0,74	1,5
MWX 4010 T	0,75	1	2,2		2500 N	0,74	1,5
MWX 4015 T	1,1	1,5	3		2500 N	0,74	1,5
MWX 4020 T	1,5	2	4		2500 N	0,75	1,5
MWX 4030 T	2,2	3	5,7		2500 N	0,76	1,5
MWX 4040 T	3	4	7,4		4500 N	0,76	2,5
MWX 4055 T	4	5,5	10		4500 N	0,78	2,5
MWX 4075 T	5,5	7,5	13,5		4500 N	0,8	2,5
MWX 40100 T	7,5	10	18		4500 N	0,8	2,5

DIMENSIONI D’INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Single Phase	H mm	P Kg
MWX 4005 M	359	7
MWX 4007 M	359	7
MWX 4010 M	384	10
MWX 4015 M	414	12
MWX 4020 M	444	13
MWX 4030 M	474	15

Three Phase	H mm	P Kg
MWX 4007 T	359	7
MWX 4010 T	359	7
MWX 4015 T	384	10
MWX 4020 T	414	12
MWX 4030 T	474	15
MWX 4040 T	577	19
MWX 4055 T	617	22
MWX 4075 T	717	27
MWX 40100 T	777	32



***V= Velocità minima del fluido attorno al motore (m/s) = 0,15**
***V= Minimum speed fluid around the motor (m/s) = 0,15**
***V= Vitesse minimale du fluide autour du moteur (m/s) = 0,15**
***V= Velocidad mínima del fluido alrededor del motor (m/s) = 0,15**

Temperatura massima dell’acqua
Max water temperature
Température maximale de l’eau
Temperatura máxima del agua

Max 35°C

Massimo 20 avviamenti/ora
Max 20 start/hour
Maximum 20 départs/heure
Máximo 20 arranques/hora

Max 20

4”

MWX

50Hz

Motore sommerso a bagno d’olio
Oil filled submersible motor
Moteur submersible rempli d’huile
Motor sumergible lleno de aceite

Clean
Civil
Industry
Fire
Agriculture

Motore con cavo plug-in
Plug-in cable motor
Moteur à câble enfichable
Motor con cable enchufable



Componenti compatibili con acqua potabile
Drinking water compatible components
Composants compatibles avec l’eau potable
Componentes compatibles con agua potable

Connettore elettrico Plug-in
Plug-in electrical connector
Connecteur électrique enfichable
Conector eléctrico enchufable

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

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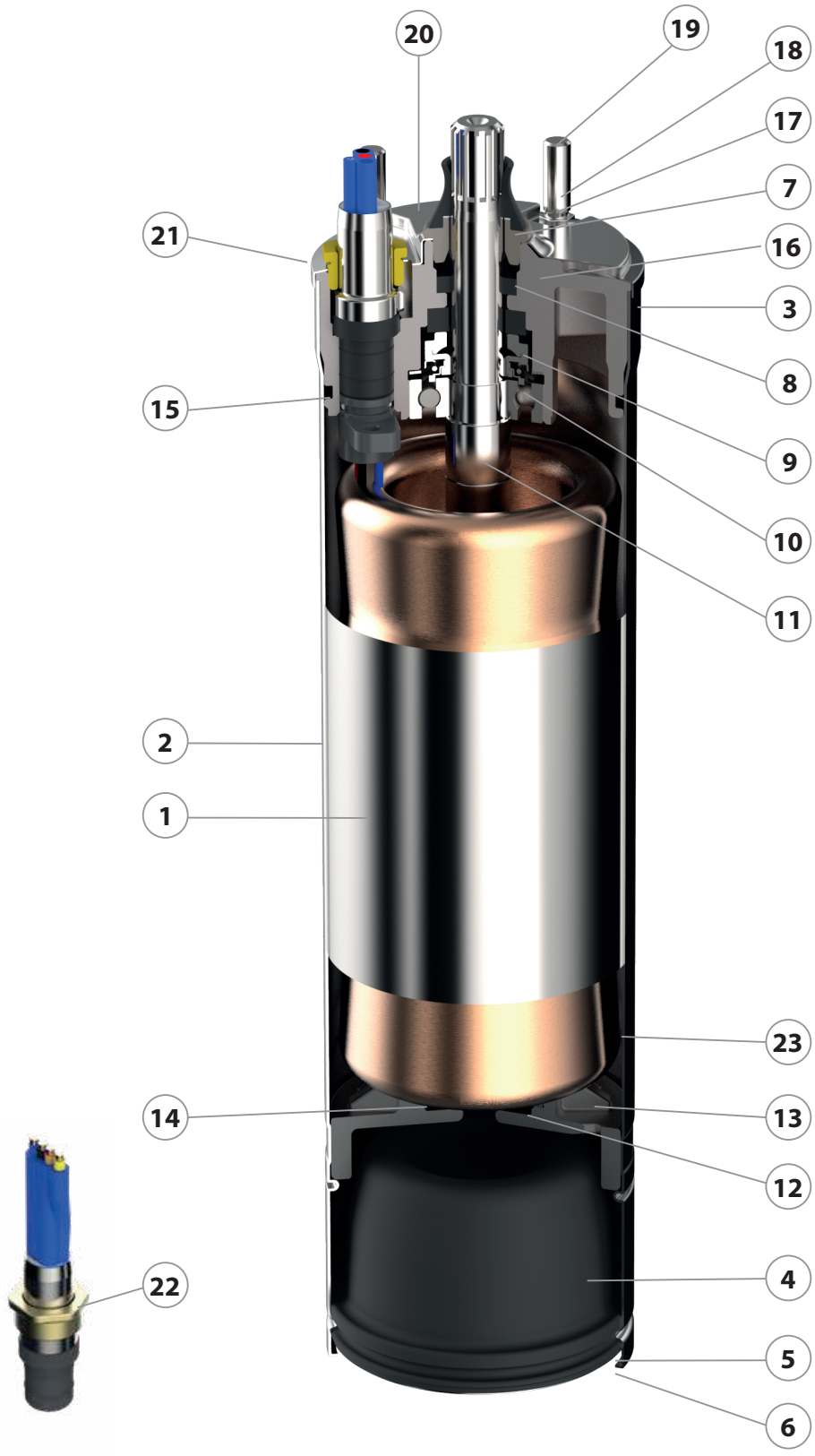
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4” MWX

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Oil filled - submersible motor

N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	STATORE COMPLETO	-	COMPLETE STATOR	-
2	CAMICIA MOTORE	ACCIAIO INOX AISI 304	MOTOR SLEEVE	AISI 304
3	N.4 VITI PER CAMICIA	ACCIAIO INOX AISI 304	N.4 SCREW FOR SLEEVE	AISI 304
4	POLMONE	GOMMA NBR	DIAPHRAM	RUBBER NBR
5	COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	COVER DIAPHRAM	AISI 304
6	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
7	DEFLETTORE	GOMMA NBR	DEFLECTOR	RUBBER NBR
8	ANELLO DI TENUTA/CORTECO	GOMMA NBR	SEAL RINGS	RUBBER NBR
9	TENUTA MECCANICA	ACCIAO INOX+GRAFITE	MECHANICAL SEAL	AISI+ GRAPHITE
10	CUSCINETTO SUPERIORE	ACCIAIO INOX AISI 304	UPPER BEARING	AISI 304
11	ROTORE COMPLETO	ACCIAIO INOX	COMPLETE ROTOR	AISI
12	CUSCINETTO INFERIORE	ACCIAIO INOX AISI 304	LOWER BEARING	AISI 304
13	SUPPORTO INFERIORE	GHISA	LOWER SUPPORT	CAST IRON
14	RONDELLA ONDULATA	ACCIAIO INOX AISI 304	ONDULATED WASHER	AISI 304
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	SUPPORTO SUPERIORE	ACCIAIO INOX AISI 304 / OTTONE	UPPER SUPPORT	AISI 304 / BRASS
17	PRIGIONIERO	ACCIAIO INOX AISI 304	STUD	AISI 304
18	RONDELLA GROWER	ACCIAIO INOX AISI 304	GROWER WASHER	AISI 304
19	DADO M8X1.25	ACCIAIO INOX AISI 304	NUT M8X1.25	AISI 304
20	TAPPO RIEMPIMENTO OLIO	ACCIAIO INOX AISI 304	OIL FILLER CAP	AISI 304
21	COVER SUPERIORE	ACCIAIO INOX AISI 304	UPPER COVER	AISI 304
22	CONNETTORE FEMMINA	-	UPPER CONNECTOR	-
23	ANELLO	ACCIAIO AISI 201	RING	AISI 201

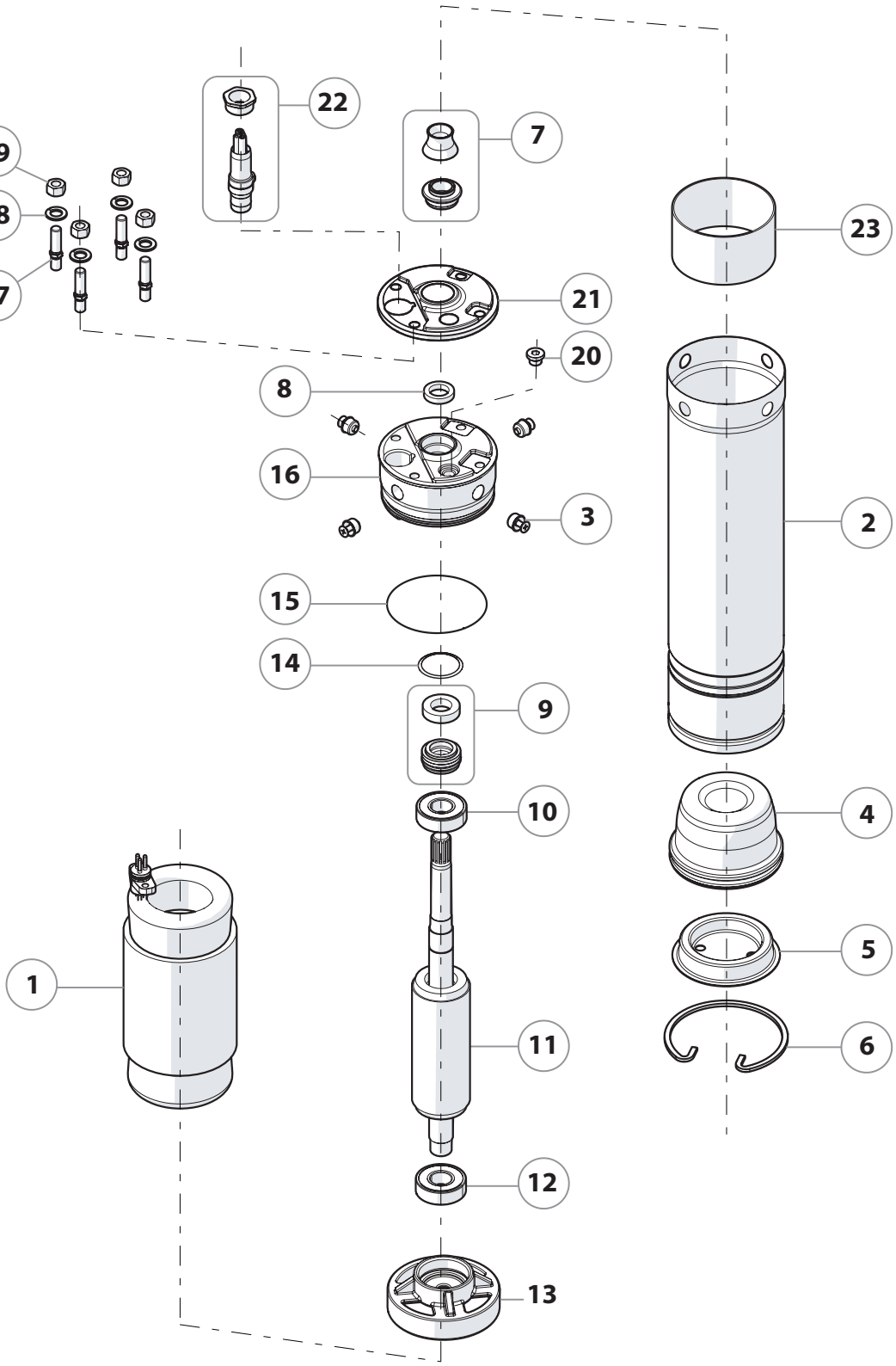
N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	STATOR BOBINE’	-	STATOR BOBINADO	-
2	CHEMISE MOTEUR	ACIER INOXYDABLE AISI 304	CAMISA MOTOR	ACERO INOXIDABLE AISI 304
3	N. 4 VIS POUR CHEMISE	ACIER INOXYDABLE AISI 304	N.4 TORNILLOS CAMISA	ACERO INOXIDABLE AISI 304
4	MEMBRANE	CAOUTCHOUC NBR	PULMON	GOMA NBR
5	PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	PROTECTION PULMON	ACERO INOXIDABLE AISI 304
6	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
7	DEFLECTEURS	CAOUTCHOUC NBR	DEFLECTOR	GOMA NBR
8	BAGUES D’USURE	CAOUTCHOUC NBR	JUNTO	GOMA NBR
9	JOINT MECANIQUE	ACIER INOXYDABLE + GRAPHITE	SELLO MECANICO	ACERO INOXIDABLE + GRAPHITE
10	COUSSINET SUPERIEURE	ACIER INOXYDABLE AISI 304	COJINETE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COMPLETE ROTOR	ACIER INOXYDABLE	ROTOR COMPLETO	ACERO INOXIDABLE
12	COUSSINET INFERIEUR	ACIER INOXYDABLE AISI 304	COJINETE INFERIOR	ACERO INOXIDABLE AISI 304
13	SUPPORT INFERIEUR	FONTE	SOPORTE INFERIOR	HIERRO FUNDIDO
14	RONDELLE ONDULEE	ACIER INOXYDABLE AISI 304	RONDELA	ACERO INOXIDABLE AISI 304
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	SUPPORT SUPERIEURE	ACIER INOXYDABLE AISI 304 / LAITO	SOPORTE SUPERIOR	ACERO INOXIDABLE AISI 304 / LATON
17	N.4 TIGES	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS	ACERO INOXIDABLE AISI 304
18	RONDELLE DE CROISSANCE	AISI 304	ARANDELA DE CRECIMIENTO	AISI 304
19	ÉCROU M8X1.25	AISI 304	TUERCA M8X1.25	AISI 304
20	BOUCHON DE REMPLISSAGE D’HUILE	AISI 304	TAPÓN DE LLENADO DE ACEITE	AISI 304
21	COUVERCLE SUPÉRIEUR	AISI 304	TAPA SUPERIOR	AISI 304
22	CONNECTEUR FEMELLE	-	CONECTOR HEMBRA	-
23	ANNEAU	AISI 201	ANILLO	AISI 201

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22	CONNECTEUR FEMELLE	-	CONECTOR HEMBRA	-
23	ANNEAU	AISI 201	ANILLO	AISI 201

NOTES

4”-12” 50Hz

Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos

Alta affidabilità
High reliability
Haute fiabilité
Alta confiabilidad

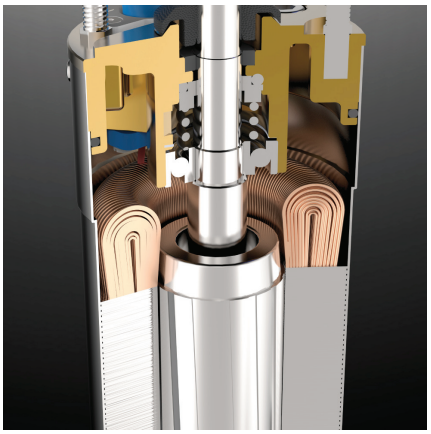
Clean
Civil
Industry
Fire
Agriculture



metro
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4”

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Oil filled - submersible motor
Moteur immergé - à bain d'huil
Motor sumergido - en baño de aceite

Motore sommerso 4” - a bagno d'olio
Potenze da 0,55 kW-0,75 HP a 7,5 kW - 10 HP
Massima solidità, grande affidabilità e durata

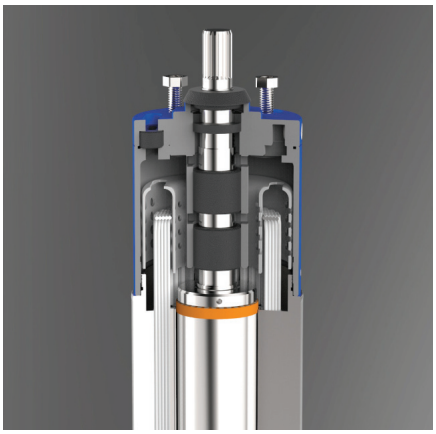
4” oil filled - submersible motor
Power from 0,55 kW-0,75 HP up to 7,5 kW-10 HP
Heavy duty construction for longer operating life and high reliability

Moteur immergé 4” - à bain d'huil
Puissance de 0,55 kW-0,75 HP jusqu'à 7,5 kW - 10 HP
Construction solide, fiabilité et durée à toute preuve

Motor sumergido de 4” - en baño de aceite
Potencia de 0,55 kW-0,75 HP a 7,5 kW-10 HP
Construción muy sólida: fiabilidad y durabilidad

metro MADE IN ITALY

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6" - 12"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua

Motori sommersi - riavvolgibili - in bagno d'acqua 6", 8", 10" e 12"
Potenze da 4 kW-5,5 HP a 300 kW-400 HP
Disponibile con tenuta meccanica, avvolgimento standard in PPC/PE,
Disponibile versione in PE2+PA per temperature fino a 50°C

6", 8", 10" and 12" rewindable - water filled - submersible motors
Power from 4 kW-5,5 HP up to 300 kW-400 HP
Available with mechanical seal, standard PPC/PE winding, PE2+PA winding
Available for temperatures up to 50°C

Moteurs immergés - rebobinables - à bain d'eau 6", 8", 10" et 12"
Puissance de 4 kW- 5,5 HP jusqu'à 300 kW-400 HP
Disponible avec garniture mécanique, enroulement PPC/PE standard, enroulement PE2+PA
Disponible pour des températures allant jusqu'à 50 °C

Motores sumergidos - rebobinables - en baño de agua de 6", 8", 10" y 12"
Potencia de 4 kW-5,5 HP a 300 kW-400 HP
Disponible con sello mecánico, bobinado estándar de PPC/PE, bobinado de PE2+PA
Disponible para temperaturas de hasta 50 °C

metro MADE IN ITALY

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4"

Motore sommerso - a bagno d'olio
Oil filled - submersible motor
Moteur immergé - à bain d'huil
Motor sumergido - en baño de aceite



MOTORI SOMMERSI 4'' SERIE M4000 A BAGNO D'OLIO
Le caratteristiche garantiscono ottime prestazioni, qualità superiore, sicura affidabilità e facilità di installazione.
I motori sommersi sono idonei all'utilizzo con variatore di frequenza: gamma di frequenze raccomandata 30-50 Hz (oppure 40-60 Hz)

CARATTERISTICHE COSTRUTTIVE
- Camicia esterna in acciaio inox inossidabile
- Sporgenza albero e quote di accoppiamento a norme NEMA 4''
- Statore avvolto in filo di rame a doppio smalto in classe F
- Grado di protezione IP68
- Liquido di riempimento olio biodegradabile atossico approvato FDA
- Soffietto di compensazione, per l'aumento di volume del liquido interno
- Carico assiale supportato da cuscinetti a sfera
- Tenuta meccanica e protezione antisabbia

CARATTERISTICHE DI FUNZIONAMENTO
- Tensioni V230 ± 10% - V.400 ± 10%
- Disponibili nelle due versioni 50/60 Hz
- Massimo numero di avviamenti orari : 20
- Massima temperatura dell'acqua 30°C
- Spinta assiale 2500 N da 0,37 a 2,2 Kw
- Spinta assiale 4500 N da 3 a 7,5 Kw

MODELLI
- Monofase : da 0,37 Kw a 2,2 kW (V.220-240) 50 Hz
- Trifase da 0,37 Kw a 7,5 kw(V.220-240) 50 Hz
- Trifase da 0,37 Kw a 7,5 kw(V.380/420) 50 Hz

DISPONIBILI ANCHE NELLA VERSIONE A 60 HZ
Tensioni speciali a richiesta

M4000 SERIES OIL FILLED SUBMERSIBLE MOTORS
The technical specifications grant high performances, superior quality, trustable reliability and ease of installation.
Motors are suitable for use with variable speed drive: 30-50 Hz or 40-60 Hz are the recommended frequency ranges.

MANUFACTURING FEATURES
- Stainless steel sleve
- NEMA 4'' coupling
- Stator winding in double copper enameled F class wire
- IP68 protection - Liquid cooled: food grade oil - Cooling liquid volume compensator
- Axial load on ball bearings - Mechanical seal and sand guard

CHARACTERISTICS
- Voltage: single phase V230 ± 10% - three phase V.400 ± 10%
- Available in 50 Hz or 60 Hz
- Maximum starts per hour: 20
- Water maximum temperature: 30°C
- Axial load 2500 N from 0,37 up to 2,2 kW / from 0,55 up to 3 HP
- Axial load 4500 N from 3 up to 7,5 kW / from 4 up to 10 HP

MODELS
- Single phase: from 0,37 kW up to 2,2 kW / from 0,55 HP up to 3 HP in 230 V 50 Hz
- Three phase: from 0,37 kW up to 7,5 kW in 230 V 50 Hz
- Three phase: from 0,37 kW up to 7,5 kW in 400 V 50 Hz

ALSO AVAILABLE IN 60 Hz
Non-standard Voltage available on request

metro MADE IN ITALY

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4"

Motore sommerso - a bagno d'olio
Oil filled - submersible motor
Moteur immergé - à bain d'huil
Motor sumergido - en baño de aceite



MOTEURS IMMERGÉS 4" SERIE M4000 À BAIN D'HUIL
Les caractéristiques de construction garantissent des excellentes performances, une qualité supérieure, fiabilité et facilité d'emploi.
Les moteurs sont conçus pour l'utilisation avec variateur de fréquence: fréquence conseillé entre 30 et 50 Hz (40-60Hz).

CARACTERISTIQUES DE CONSTRUCTION
- Chemise en acier inoxydable - Acouplement NEMA 4"
- Part statorique bobiné en double fils en cuivre classe F
- Protection IP68
- Liquide réfrigérant: huile atoxique alimentaire
- Membrane de compensation des variations de volume di liquide réfrigérant
- Charge axiale sur roulement
- Tenue mechanique et protection antisable

CARACTERISTIQUES DE FONCTIONNEMENT
- Tensions : V. 230 ± 10% - V.400 ± 10%
- Disponibles soit en 50 Hz soit en 60 Hz
- Numéro maxi de démarrages par heure : 20
- Température max de l'eau : 30°C
- Charge axiale 2500 N de 0,37 kW jusqu'à 2,2 kW / de 0,55 CV jusqu'à 3 CV
- Charge axiale 4500 N de 3 kW jusqu'à 7,5 kW / de 4 CV jusqu'à 10 CV

MODELS
- Monophasé : de 0,37 kW jusqu'à 2,2 kW / de 0,55 CV jusqu'à 3 CV 230 V 50 Hz
- Triphasé : de 0,37 kW jusqu'à 7,5 kW 230 V 50 Hz
- Triphasé : de 0,37 kW jusqu'à 7,5 kW 400 V 50 Hz

DISPONIBILES AUSSI EN VERSION 60 Hz
Tensions hors standard disponibles sur demande

MOTORES SUMERGIBLES 4" M4000 SERIES EN BAÑO DE ACEITE
Las características de construcción garantizan prestaciones elevadas, calidad superior, comprobada fiabilidad y facilidad de utilización.
Los motores son construidos para la utilización con variadores de frecuencia: gama de frecuencias 30-50 Hz y 40-60 Hz.

CARACTERISTICAS DE CONSTRUCCION
- Camisa en acero inoxidable
- Acoplamiento NEMA 4"
- Estator bobinado con hilo en cobre clase F
- Protección IP68 - Líquido refrigerante: aceite atóxico alimentar
- Membrana de compensación de las variaciones de volume del líquido refrigerante
- Carga axial sobre rodamiendos - Sello mecánico y protección anti arena

CARACTERISTICAS DE FUNCIONAMIENTO
- Tension V230 ± 10% - V.400 ± 10% - Disponibles en 50 Hz y 60 Hz
- Máxima cantidad de arranques por hora : 20 - Maxima temperatura del agua: 30°C
- Carga axial 2500 N de 0,37 kW hasta 2,2 kW / de 0,55 HP hasta 3 HP
- Carga axial 4500 N de 3 kW hasta 7,5 kW / de 4 HP hasta 10 HP

MODELOS
- Monofaásico : 0,37 kW hasta 2,2 kW / de 0,55 HP hasta 3 HP 230V 50 Hz
- Trifásico de 0,37 kW hasta 7,5 kW / de 0,5 HP hasta 10 HP 230 V 50 Hz
- Trifásico de 0,37 kW hasta 7,5 kW / de 3 HP hasta 10 HP 400 V 50 Hz

DISPONIBLES TAMBIEN EN VERSION 60 Hz
Voltajes fuera de estandard disponibles bajo demanda

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6"- 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTORI SOMMERSI 6''/8''/10'' SERIE M600 - M800 - M10000
Motori sommersi a bagno d'acqua, riavvolgibili in PE. Sono di costruzione particolarmente robusta e in grado di funzionare per lungo tempo senza alcuna manutenzione.
Sono adatti al funzionamento con variatore di frequenza (frequenza minima consentita: 30 Hz).

CARATTERISTICHE COSTRUTTIVE
- Camicia esterna in acciaio inox inossidabile - Supporto inferiore , supporto superiore , carcassa e base motore in Ghisa meccanica G25
- Sporgenza albero e quote di accoppiamento a norme NEMA - Statore avvolto realizzato in filo di rame elettrolitico, rivestito di materiale termoplastico idrorepellente con elevate caratteristiche dielettriche - Grado di protezione IP68 - Rotore con albero in AISI 420B , Guidato da cuscinetti a boccola antiusura in grafite (e/o bronzo BSPB15%) e supportato da un cuscinetto reggispinta a pattini oscillanti (tipo Mitchell) dimensionato per reggere le massime spinte assiali della pompa, con un elevatissimo valore di sicurezza.
- Membrana di compensazione, posta nella parte inferiore del motore, per equilibrare la pressione interna del motore con quella esterna del pozzo e per la compensazione della variazione di pressione dell'acqua dovuta al riscaldamento durante il funzionamento

CARATTERISTICHE DI FUNZIONAMENTO
- Disponibili nelle due versioni 50/60 Hz - Variazione massima ammessa sulla tensione di targa del motore : ± 10%
- Massimo numero di avviamenti orari : (6'': 15) – (8'': 10) - (10'': 10) - Massima temperatura dell'acqua 30°C – 50°C con avvolgimento in PE2+PA - Spinta assiale motore 6'': 16.000 N da 4 a 15 kW– 25.000 N da 18,5 a 37 kW - Spinta assiale motore 8'': 45.000 N da 30 a 110 kW - Spinta assiale motore 10'': 60.000 N da 75 a 184 kW

MODELLI
- Motore 6'' da 4 a 37 Kw - Motore 8'' da 30 110 kW - Motore 10'' da 75 a 184 kW

ESECUZIONI SPECIALI
- Motori a doppia uscita per avviamento stella-triangolo - Esecuzione in acciaio inox AISI 304, AISI 316, Duplex per tutta la gamma - Esecuzione per alta temperatura (Fino a 50°C) - Disponibile con tenuta meccanica

6''/8''/10'' SUBMERSIBLE MOTORS SERIES M600 - M800 - M10000
The technical specifications grant high performances, superior quality, trustable reliability and ease of installation.
Motors are suitable for use with variable speed drive: 30-50 Hz or 40-60 Hz are the recommended frequency ranges.

MANUFACTURING FEATURES
- Stainless steel sleve - Upper and lower supports and base in G 25 cast iron. Fully stainless steel version available in AISI 304, AISI 316, Duplex
- NEMA coupling - Thermoplastic protection of winding copper wire are used in the statoric part, upon request PE2+PE winding wire for higher water temperatures - Protection IP68 - Rotor with AISI 420B shaft, bearing bushes in carbide (upon request available in BSPB15% bronze). Thrust bearing Mitchell type suitable to withstand the maximum load with very high safety standards.
- Compensation diaphragm able to equalize inner and outer pressures and related variations due to the temperature spectrum during the motor functioning in the well.

CHARACTERISTICS
- Available in 50 Hz and 60 Hz versions - Maximum number of starts per hour: (6'':15) – (8'' :10) – (10'': 10)
Water maximum temperature: 30°C – with PE2+PA winding up to 50°C - Axial load 6'': 16.000 N from 4 to 15 kW
25.000 N from 18,5 up to 37 kW . Axial load 8'': 45.000 N from 30 up to 110 kW - Axial load 10'': 60.000
N from 75 up to 184 kw

MODELS
- 6'' motors from 4 kW up to 37 kW
- 8'' motors from 30 kW up to 110 kW
- 10'' motors from 75 kW up to 184 kW

NON STANDARD OPTION
- Star-Delta starting
- All models are available in full stainless steel: AISI 304, AISI 316, Duplex
- Higher water temperatures up to 50°C with PE2+PA winding
- Mechanical seal available upon request

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6"- 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTEURS IMMERGÉS 6''/8''/10 '' SERIE M600 - M800 - M10000
Moteurs immergés à bain d'eau, rebobinables en PE. Produits avec une construction très robuste ils sont en condition de fonctionner pendent des très long périodes sans manutention. Les moteurs sont conçus pour l'utilisation avec variateur de fréquence : fréquence conseillé entre 30 et 50 Hz (40-60Hz).

CARACTERISTIQUES DE CONSTRUCTION
- Chemise en acier inoxydable - Supports inférieur et supérieur, base en fonte G25. Disponibles aussi totalement en acier inoxydable AISI 304, 316, Duplex - Acouplement NEMA - Partie statorique bobiné en PVC pour eau jusqu'à 30°C ou en PE2+PA pour toutes applications avec temperature de l'eau jusq'à 50° - Degré de protection IP68 - Roteur avec arbre en AISI 420B, bague en graphite (disponible aussi en bronze BSPB15%) avec suspension type MICHELL capable de résister aux charges axiales des pompes avec un standard de sécurité très important - Membrane de compensation pour équilibrer la pression interne du moteur avec la pression de l'eau du forage et pour la compensation des variations de pression dues aux changements de température

CARACTERISTIQUES DE FONCTIONNEMENT
- Disponibles dans les versions 50 Hz et 60 Hz - Variation de tension admissible : ± 10% - Numéro maxi de démarrages par heure: (6'':15) – (8'' :10) – (10'': 10) - Température de l'eau : jusqu'à 30°C – avec bobinage en PE2+PA jusqu'à 50°C - Charge axial moteurs 6'': 16.000 N de 4 jusqu'à 15 kW - 25.000 N de 18,5 jusqu'à 37 kW
Charge axial moteurs 8'': 45.000 N de 30 jusqu'à 110 kW
Charge axial moteurs 10'': 60.000 N de 75 jusqu'à 184 kW

MODELS
- Moteurs 6'' de 4 kW jusqu'à 37 kW
- Moteurs 8'' de 30 kW jusqu'à 110 kW
- Moteurs 10'' de 75 kW jusqu'à 184kW

EXECUTIONS HORS STANDARD
- Démarrage étoile-triangle - Toute la gamme est disponible en execution toltalement en acier inoxydable AISI 304, AISI 316, Duplex Pour toutes application avec température de l'eau jusq'à 50°C bobinage en PE2+PA - Garniture mecanique disponible sur demande

MOTORES SUMERGIBLES 6''/8''/10 '' SERIE M600 - M800 - M10000
Los motores sumergibles en baño de agua y rebobinables se caracterizan por una construcción reforzada que permite el funcionamiento sin manutención por periodos importantes. Los motores son construidos para la utilización con variadores de frecuencia: gama de frecuencias 30-50 Hz y 40-60 Hz.

CARACTERISTICAS DE CONSTRUCCION
- Camisa en acero inoxidable - Soporte superior e inferior base en hierro fundido G25. Disponible también la versión totalmente en acero inoxidable AISI 304, AISI 316, Duplex
- Acoplamiento NEMA - Parte statorica bobinada con hilo en alambre protejido en material termoplástico para aguas hasta 30°C – con bobinaje en PE2+PA para aguas hasta 50°C - Protección IP68
- Rotor con eje en AISI 420B, cojinetes en grafito (disponible también en bronze BSPB15%) suspensión de tipo MITCHELL para cumplir con las cargas axiales de la bomba con un estandard de seguridad muy elevado.
- Membrana de compensación, para equilibrar la presión interna del motor con la presión esterna del pozo y para compensar las variaciones de presión debidas al cambio de temperatura durante el funcionamiento.

CARACTERISTICAS DE FUNCIONAMIENTO
- Disponibles en la dos versiones 50 Hz y 60 Hz - Variabilidad máxima de tension : ± 10% - Máxima cantidad de arranques por hora: (6'': 15) – (8'': 10) - (10'': 10) - Temperatura máxima de l'agua: 30°C – 50°C con bobinaje en PE2 + PA
Carga axial motores 6'': 16.000 N desde 4 hasta 15 kW - 25.000 N desde 18,5 hasta 37 kW
Carga axial motores 8'': 45.000 N desde 30 hasta 110 kW
Carga axial motores 10'': 60.000 N desde 75 hasta 184 kW

MODELOS
- Motores 6'': desde 4 kW hasta 37 kW
- Motores 8'': desde 30 kW hasta 110 kW
- Motores 10'': desde 75 kW hasta 184 KW

EJECUCIONES ESPECIALES
- Arranque Estrella-Triangulo
- Construcción totalmente en acero inoxidable AISI 304, AISI 316, Duplex para toda la gama
- Ejecución para elevada temperatura del agua (hasta 50 °C) con bobinaje en PE2+PA
- Sello mecánico disponible bajo demanda

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12"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTORI SOMMERSI 12'' SERIE M12000
Motori sommersi a bagno d'acqua, riavvolgibili in PE o PVC (solo per la versione 4 poli). Sono di costruzione particolarmente robusta e in grado di funzionare per lungo tempo senza alcuna manutenzione. Motore per funzionamento con pompe sommerse in pozzi con diametro uguale o superiore a 12", bacini o in booster per impianti di pressurizzazione.

CARATTERISTICHE COSTRUTTIVE
Sporgenza albero: cilindrica con chiavetta - Protezione: IP68 - Sportgenza albero in acciaio inox Duplex - Camicia esterna in acciaio inox AISI304. Cuscinetto reggispinta bidirezionale di tipo Kingsbury - Cuscinetto di controspinta - Cuscinetti radiali lubrificati ad acqua - Valvola di sicurezza - Una membrana di compensazione posta sul fondo del motore garantisce l'equilibrio delle pressioni interna/esterna unitamente alla variazione di volume dell'olio dovuta alla variazione di temperatura.
- Di serie, doppio sistema di tenuta sull'albero: tenuta meccanica bidirezionale in Carburo di Silicio / Carburo di tungsteno + - Parasabbia con tenuta laminare.
- Rotazione: indifferentemente oraria/antioraria
- Cavo idoneo per uso in acque potabili

CARATTERISTICHE DI FUNZIONAMENTO
- Disponibili nelle due versioni 50/60 Hz - Variazione massima ammessa sulla tensione di targa del motore : ± 10%
- Massimo numero di avviamenti orari: 150÷220Kw =10 - 260÷300Kw =5 (versione 2 poli) - 110÷150Kw =10 - 170÷220Kw =5 (versione 4 poli) - Massima temperatura dell'acqua 30°C - Spinta assiale motore 12'': 70.000 N

MODELLI
- Motore 12'' (versione 2 poli) da 150 a 300 kW
- Motore 12" (versione 4 poli) da 110 a 220 kW

ESECUZIONI SPECIALI
- Esecuzione in acciaio inox AISI 316, Duplex per tutta la gamma - Tenute meccaniche diverse - Lunghezze cavi diverse - Versione per utilizzo con variatore di frequenza (inverter)

12'' SUBMERSIBLE MOTORS SERIES M12000
Submersible motors, water filled, rewindable in PE or PVC (only for 4-pole version). The technical specifications grant high performances, superior quality, trustable reliability and ease of installation.
Motor for submersible pumps, in wells with 12" diameter or bigger, basins or boosters for pressurization systems.

MANUFACTURING FEATURES
Shaft protrusion: cylindrical model with key - Degree of protection: IP 68 - Shaft-end in Duplex stainless steel - Outer shell made of stainless steel AISI304 - Bidirectional Kingsbury type axial thrust bearing - Counterthrust bearing - Water lubricated radial bearings - Safety valve - A compensation membrane on the bottom of the motor ensures the balance between the internal and external pressures, along with the variation of the water volume due to the temperature.
- Standard, double seal system on rotor shaft: bi-directional mechanical seal in SiC/Tungsten Carbide + sand-guard with laminar seal
- Rotation: clockwise or counter clockwise without distinction
- Cable material suitable for use with drinking water

CHARACTERISTICS
- Available in 50 Hz and 60 Hz versions
- Maximum number of starts per hour: 150÷220Kw =10 - 260÷300Kw =5 (2-pole version) - 110÷150Kw =10 - 170÷220Kw =5 (4-pole version) - Water maximum temperature: 30°C - Axial load 12'': 70.000 N

MODELS
- 12'' motors (2-pole version) from 150 kW up to 300 kW
- 12'' motors (4-pole version) from 110 kW up to 220 kW

NON STANDARD OPTION
- All models are available in full stainless steel: AISI 316, Duplex
- Mechanical seals in special materials - Lead in different lengths - Version for use with frequency converter (inverter).

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12"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTEURS IMMERGÉS 12'' SERIE M12000
Moteurs immergés à bain d'eau, rebobinables en PE ou PVC (uniquement pour la version à 4 pôles). Produits avec une construction très robuste ils sont en condition de fonctionner pendent des très long périodes sans manutention. Moteur pour fonctionnement avec pompes immergées, en puits, avec diamètre égal ou supérieur à 12'' bassins ou en booster pour systèmes depressurization.

CARACTERISTIQUES DE CONSTRUCTION
- Projection arbre cylindrique avec clavette. - Protection: IP68 - Extensione de l'arbre en acier inoxydable AISI431 (1.4057) ou Duplex (1.4362). Chemise extérieure en acier inox AISI 304. Palier de Butée complète bi-direction du type Kingsbury - Bague de butée. - Roulements radiales lubrifiés à eau - Soupape de sûrete. - Une membrane de compensation placée sur le fond du moteur assurel'equilibre des pressions intérieure/extérieure conjointement à lavariation de volume de l'eau due à la variation de température.
- De série, double système d'étanchéité sur l'arbre: garniture mécanique bidirectionnel carbure de silicium / carbure de tungstène + bague anti-sable avec joint laminaire.
- Rotation: indifféremment pareil ou contraire aux aiuguilles d'unemontre.
- Cable convenable pour usage en eaux potables.

CARACTERISTIQUES DE FONCTIONNEMENT
- Disponibles dans les versions 50 Hz et 60 Hz - Variation de tension admissible : ± 10% - Numéro maxi de démarrages par heure: 150÷220Kw =10 - 260÷300Kw =5 (version 2 pôles) - 110÷150Kw =10 - 170÷220Kw =5 (version 4 pôles) Température de l'eau : jusqu'à 30°C - Charge axial moteurs 12'': 70.000 N

MODELS
- Moteurs 12'' (version 2 pôles) de 150 kW jusqu'à 300 kW
- Moteurs 12'' (version 4 pôles) de 110 kW jusqu'à 220 kW

EXECUTIONS HORS STANDARD
- Toute la gamme est disponible en execution toltalement en acier inoxydable AISI 316, Duplex - Garnitures mécaniques differentes - Longueur des cables differente - Version spéciale pour utilisation avec variateur de vitesse.

MOTORES SUMERGIBLES 12'' SERIE M12000
Motores sumergibles, en baño de agua, rebobinables en PE o PVC (sólo para versión tetrapolar). Los motores sumergibles en baño de agua y rebobinables se caracterizan por una construcción reforzada que permite el funcionamiento sin manutención por periodos importantes. Motor para funcionamiento con bombas sumergidas en pozos con diametro igual o superior a 12",cuencas o en booster para instalaciones de presurizacion.

CARACTERISTICAS DE CONSTRUCCION
- Salida eje: eje cilíndrico con chaveta. - Grado de proteccion: IP68 Eje rotor de extremo en acero inoxidable Duplex - Camisa en acero inoxidable AISI304 - Cojinete axial bidireccional tipo Kingsbury - Cojinete de contraempuje - Cojinetes radiales lubricados por agua - Una membrana puesta en el fondo del motor garantiza el - equilibrio de las presiones interior/exterior, junto con la variacion de volumen del agua debida a la temperatura.
- Válvula de seguridad
- Estandard, doble sistema de cierre al saliente del eje rotor: cierre mecanico bidireccional en Carburo de Silicio/Carburo de wolframio + Para-arena con cierre laminar
- Sentido de rotación: sin distinción horario o antihorario
- Cable a normas para aguas potables

CARACTERISTICAS DE FUNCIONAMIENTO
- Disponibles en la dos versiones 50 Hz y 60 Hz - Variabilidad máxima de tension : ± 10% - Máxima cantidad de arranques por hora: 150÷220Kw =10 - 260÷300Kw =5 (versión 2 polos) - 110÷150Kw =10 - 170÷300Kw =5 (versión 4 polos) - Temperatura máxima de l'agua: 30°C - Carga axial motores 12'': 70.000 N

MODELOS
- Motores 12'' (versión 2 polos) de 150 kW hasta 300 kW
- Motores 12'' (versión 4 polos) de 110 kW hasta 220 kW

EJECUCIONES ESPECIALES
- Construcción totalmente en acero inoxidable AISI 316, Duplex para toda la gama
- Empaquetaduras mecánicas especiales bajo demanda - Cables en diferentes longitudes - Versión para uso con convertidor de frecuencia (inverter)

metro MADE IN ITALY

www.metropumps-italy.com

4"

Motore sommerso - a bagno d'olio
Oil filled - submersible motor

DATI TECNICI - TECHNICAL DATA

50 Hz n= 2900 min

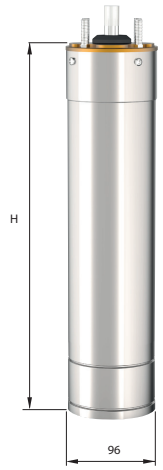
Single Phase	Power		V230	Capacitor	DN	Axial Thrust (N)	Cos Φ	Standard cable lenght
	kW	HP	A	µF				m
M4005 M	0,37	0,5	3,5	16	4"	2500 N	0,97	1,5
M4007 M	0,55	0,75	4,9	20		2500 N	0,97	1,5
M4010 M	0,75	1	6,5	30		2500 N	0,97	1,5
M4015 M	1,1	1,5	9,4	40		2500 N	0,97	1,5
M4020 M	1,5	2	11,5	50		2500 N	0,97	1,5
M4030 M	2,2	3	14,7	75		2500 N	0,97	1,5

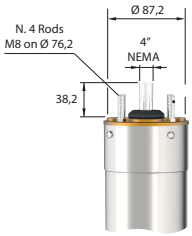
Three Phase	Power		V400	DN	Axial Thrust (N)	Cos Φ	Standard cable lenght
	kW	HP	A				m
M4007 T	0,55	0,75	1,7	4"	2500 N	0,74	1,5
M4010 T	0,75	1	2,2		2500 N	0,74	1,5
M4015 T	1,1	1,5	3		2500 N	0,74	1,5
M4020 T	1,5	2	4		2500 N	0,75	1,5
M4030 T	2,2	3	5,7		2500 N	0,76	1,5
M4040 T	3	4	7,4		4500 N	0,76	2,5
M4055 T	4	5,5	10		4500 N	0,78	2,5
M4075 T	5,5	7,5	13,5		4500 N	0,8	2,5
M40100 T	7,5	10	18		4500 N	0,8	2,5

DIMENSIONI D'INGOMBRO E PESI - OVERALL DIMENSIONS AND WEIGHTS

Single Phase	H mm	P Kg
M4005 M	317	7
M4007 M	337	8
M4010 M	362	10
M4015 M	392	12
M4020 M	422	13
M4030 M	467	15

Three Mhase	H mm	M Kg
M4007 T	317	8
M4010 T	337	10
M4015 T	362	12
M4020 T	392	13
M4030 T	452	15
M4040 T	557	19
M4055 T	597	22
M4075 T	698	27
M40100 T	818	32





***V= Velocità del fluido attorno al motore (m/s) = 0,15**
***V=Speed fluid around the motor (m/s) = 0,15**
***V= Vitesse du fluide autour du moteur (m/s) = 0,15**
***V= Velocidad del fluido alrededor del motor (m/s) = 0,15**

Temperatura massima dell'acqua
Max water temperature
Température maximale de l'eau
Temperatura máxima del agua

Max 30°C

Massimo 20 avviamenti/ora
Max 20 start/hour
Maximum 20 départs/heure
Máximo 20 arranques/hora

Max 20

metro MADE IN ITALY

www.metropumps-italy.com

6"

Motore sommerso - riavvolgibile - a bagno d'acqua
Rewindable - water filled - submersible motor

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

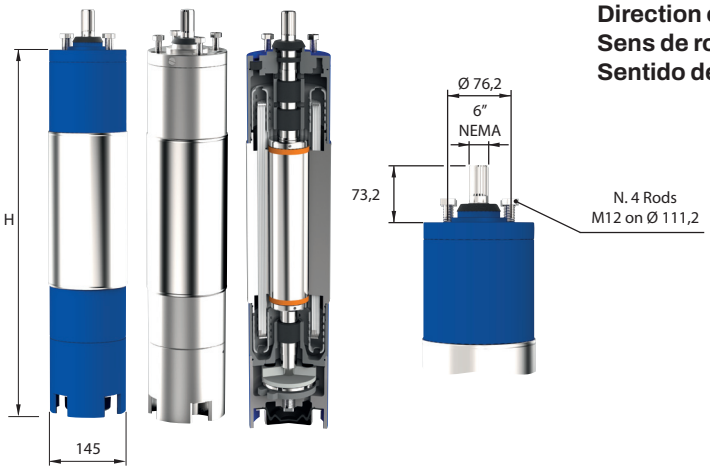
DATI TECNICI - TECHNICAL DATA

Ampere 230 V Three phase = Ampere V 400 x 1,73

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/ Cn	Is/In	Is/In	Is/In			
M605	4	5,5	380	9,3	2845	77	81	80	0,67	0,77	0,82	4G x 4 mm²	2 x (4G x 4 mm²)	1,60	5,40	1,80	3,20		646	40
			400	9,1	2856	76	80	79	0,65	0,75	0,80									
			415	9,2	2878	75	79	78	0,63	0,73	0,78									
M607	5,5	7,5	380	12,4	2846	77	82	81	0,67	0,78	0,83	4G x 4 mm²	2 x (4G x 4 mm²)	1,60	5,60	1,90	3,40		671	45
			400	12,3	2859	76	81	80	0,65	0,76	0,81									
			415	12,3	2880	75	80	79	0,63	0,74	0,79									
M610	7,5	10	380	16,6	2843	78	82,5	82	0,68	0,78	0,84	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40		701	55
			400	16,3	2861	77	81,5	81	0,66	0,76	0,82									
			415	16,3	2882	76	80,5	80	0,64	0,74	0,80									
M612	9,2	12,5	380	20,2	2846	79	83	82	0,68	0,79	0,85	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40	1600	751	60
			400	19,9	2864	78	82	81	0,66	0,77	0,83									
			415	19,9	2886	77	81	80	0,64	0,75	0,81									
M615	11	15	380	23,7	2849	80	84,5	83,5	0,69	0,79	0,85	4G x 4 mm²	2X (4G x 4 mm²)	1,90	5,90	2,00	3,50		811	65
			400	23,4	2867	79	83,5	82,5	0,67	0,77	0,83									
			415	23,4	2882	78	82,5	81,5	0,65	0,75	0,81									
M617	13	17,5	380	27,7	2851	80	84,5	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,80	6,00	2,00	3,60		841	70
			400	27,3	2870	80	83,5	83	0,67	0,77	0,83									
			415	27,3	2887	79	82,5	82	0,65	0,75	0,81									
M620	15	20	380	32	2852	82	85	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		931	75
			400	31,5	2871	81	84	83	0,67	0,77	0,83									
			415	31,5	2883	80	83	82	0,65	0,75	0,81									
M625	18,5	25	380	38,9	2854	82	85,5	85	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,60	1,90	3,40		991	83
			400	38,3	2873	81	84,5	84	0,67	0,77	0,83									
			415	38,6	2889	80	83	82,5	0,65	0,75	0,81									
M630	22	30	380	45,8	2857	82,5	85,5	85	0,70	0,80	0,86	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		1071	92
			400	45,1	2877	81,5	84,5	84	0,68	0,78	0,84									
			415	45,3	2890	80	83	82,5	0,66	0,76	0,82									
M635	26	35	380	53,8	2867	82,5	86	85,5	0,71	0,81	0,86	4G x 10 mm²	2x (4G x 6 mm²)	1,70	5,70	1,90	3,40	2500	1181	100
			400	52,9	2878	81,5	85	84,5	0,69	0,79	0,84									
			415	53,2	2891	80	83,5	83,0	0,67	0,77	0,82									
M640	30	40	380	62,1	2861	82,5	86,0	85,5	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,70	5,60	1,90	3,40		1251	108
			400	61,1	2880	81,5	85,0	84,5	0,70	0,79	0,84									
			415	61,4	2892	80	83,5	83	0,68	0,77	0,82									
M650	37	50	380	77	2863	83	86,5	85	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,60	5,60	1,90	3,40		1341	118
			400	75,8	2882	82	85,5	84	0,70	0,79	0,84									
			415	76,2	2891	80,5	84	82,5	0,68	0,77	0,82									

*Lunghezza cavo standard - *Standard cable lenght (m):* **3 m** up to 18,5 kW (25HP) **5 m** from 22kw (30HP) to 37 kW (50HP)



Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 30°C**
Massimo 15 avviamenti/ora Max 15 start/hour Maximum 15 départs/heure Máximo 15 arranques/hora	**Max 15**
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

metro MADE IN ITALY

www.metropumps-italy.com

8"

Motore sommerso - riavvolgibile - a bagno d'acqua
Rewindable - water filled - submersible motor

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

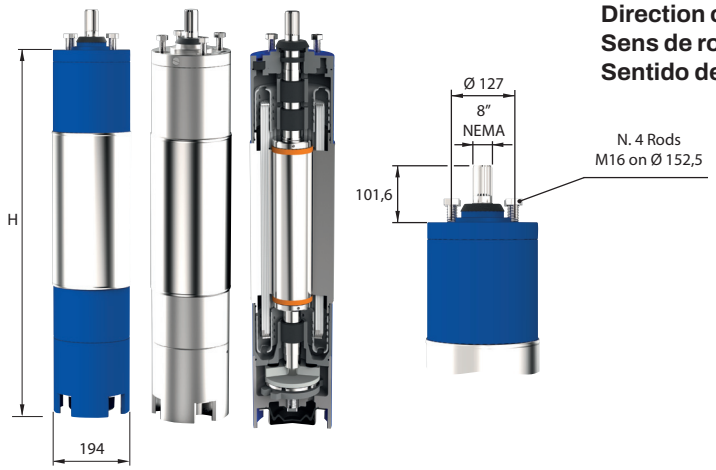
DATI TECNICI - TECHNICAL DATA

Ampere 230 V Three phase = Ampere V 400 x 1,73

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/ Cn	Is/In	Is/In	Is/In			
M840	30	40	380	64,4	2859	79,8	85,2	84,3	0,77	0,81	0,84	3 X 1 x 10 mm²	6 X 1 x 10 mm²	2,05	6,40	2,10	3,80	4500	993	150
			400	61,7	2875	80,1	85	84,7	0,76	0,80	0,83									
			415	60	2892	79,3	84,5	85	0,75	0,79	0,82									
M850	37	50	380	75,4	2865	80,3	85,7	84,8	0,79	0,83	0,88	3 X 1 x 10 mm²	6 X 1 x 10 mm²	1,95	5,70	2	3,70		1043	160
			400	73	2888	80,6	85,5	85,2	0,77	0,81	0,86									
			415	71,8	2904	79,8	85	85,5	0,75	0,79	0,84									
M860	44	60	380	90,2	2882	80,8	86,2	85,3	0,76	0,86	0,87	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,95	5,80	2	3,70		1123	178
			400	86,3	2893	81,1	86	85,7	0,74	0,81	0,86									
			415	84,8	2905	80,3	85,5	86	0,72	0,79	0,84									
M875	55	75	380	110,2	2880	81,3	86,7	85,8	0,76	0,85	0,89	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,85	5,80	2	3,60		1233	200
			400	106,2	2889	81,6	86,5	86,2	0,74	0,81	0,87									
			415	105,4	2901	80,8	86	86,5	0,72	0,80	0,84									
M890	66	90	380	130,7	2881	82,4	87,5	86,8	0,76	0,86	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,85	5,80	2	3,50		1302	214
			400	126	2892	82,6	87,4	87,2	0,74	0,82	0,87									
			415	125,1	2905	81,9	86,9	87,5	0,72	0,79	0,84									
M8100	75	100	380	148,5	2882	82,3	87,7	86,8	0,75	0,85	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,80	2	3,50		1383	230
			400	143,2	2893	82,6	87,5	87,2	0,73	0,81	0,87									
			415	142,1	2905	81,8	87	87,5	0,71	0,77	0,84									
M8125	92	125	380	183,5	2880	83	86	85,7	0,75	0,84	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,70	1,90	3,50		1583	270
			400	175,1	2891	83,5	86,5	86,3	0,74	0,83	0,88									
			415	172,7	2903	83	86	86,3	0,72	0,81	0,86									
M8150	110	150	380	218,6	2885	85,5	86,5	86	0,74	0,83	0,89	3 X 1 x 35 mm²	6 X 1 x 25 mm²	1,80	5,70	1,90	3,50		1733	300
			400	211	2898	86,1	87	86,6	0,73	0,82	0,87									
			415	212,1	2908	85,5	86,5	86	0,72	0,81	0,84									

*Lunghezza cavo standard - Standard cable lenght (m): **5**



Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 30°C**
Massimo 10 avviamenti/ora Max 10 start/hour Maximum 10 départs/heure Máximo 10 arranques/hora	**Max 10**
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

metro MADE IN ITALY

www.metropumps-italy.com

10"

Motore sommerso - riavvolgibile - a bagno d'acqua
Rewindable - water filled - submersible motor

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

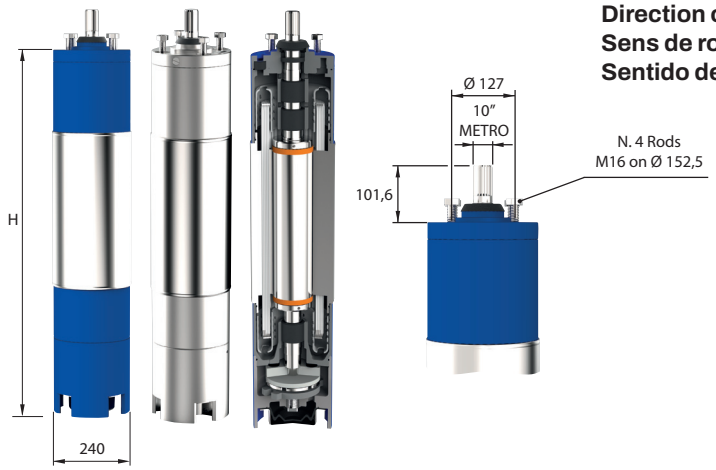
DATI TECNICI - TECHNICAL DATA

Ampere 230 V Three phase = Ampere V 400 x 1,73

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RMM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HM				50	75	100	50	75	100	400 V	400 / 690 V	Cs/ Cn	Is/In	Is/In	Is/In			
M10100	75	100	380	154,3	2884	86,9	87	88	0,73	0,80	0,84	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	6,40	1,90	3,40		1284	270
			400	142,7	2896	85,9	88	88,3	0,72	0,84	0,86									
			415	143,9	2909	86,4	88,3	88,5	0,64	0,77	0,82									
M10125	92	125	380	188,7	2890	87,2	87,3	88,3	0,74	0,83	0,84	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	6,40	1,90	3,40		1354	310
			400	174,5	2904	86,2	88,3	88,6	0,71	0,83	0,86									
			415	176	2914	86,7	88,6	88,8	0,63	0,75	0,82									
M10150	110	150	380	222,2	2930	87,9	88	89	0,71	0,81	0,85	3 X 1 x 35 mm²	6 X 1 x 16 mm²	1,60	6,30	1,80	3,40		1504	350
			400	207	2937	86,9	89	89,3	0,73	0,84	0,86									
			415	211,3	2943	87,4	89,3	89,5	0,63	0,77	0,81									
M10175	129	175	380	265,6	2895	87,5	88,2	89	0,73	0,81	0,83	3 X 1 x 35 mm²	6 X 1 x 25 mm²	1,55	6,70	1,80	3,30	6000	1634	385
			400	245,3	2915	86,5	89,3	89,4	0,71	0,83	0,85									
			415	244,6	2928	87,1	89,5	89,6	0,62	0,75	0,82									
M10200	147	200	380	299,1	2898	87,1	88,2	89	0,72	0,82	0,84	3 X 1 x 50 mm²	6 X 1 x 25 mm²	1,55	6,50	1,80	3,30		1734	415
			400	277,2	2917	86,1	88,5	89,1	0,71	0,81	0,86									
			415	278,1	2931	86,5	88,1	88,7	0,65	0,75	0,83									
M10225	165	225	380	337,2	2901	86,5	87,5	88,6	0,72	0,82	0,84	3 X 1 x 50 mm²	6 X 1 x 35 mm²	1,55	6,50	1,80	3,30		1854	444
			400	313,3	2920	85,4	87,2	88,5	0,71	0,81	0,86									
			415	313,9	2930	86,0	87,3	88,2	0,65	0,75	0,83									
M10250	184	250	380	370	2904	87,4	88	89	0,73	0,83	0,85	3 X 1 x 50 mm²	6 X 1 x 35 mm²	1,50	6,50	1,80	3,30		1984	480
			400	342,2	2924	86,5	88,7	89,3	0,72	0,82	0,87									
			415	340,9	2936	87,3	89,3	89,5	0,65	0,77	0,84									

*Lunghezza cavo standard - Standard cable lenght (m): **5**



Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 30°C**
Massimo 10 avviamenti/ora Max 10 start/hour Maximum 10 départs/heure Máximo 10 arranques/hora	**Max 10**
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

metro MADE IN ITALY

www.metropumps-italy.com

12" Versione 2 poli / 2 poles version

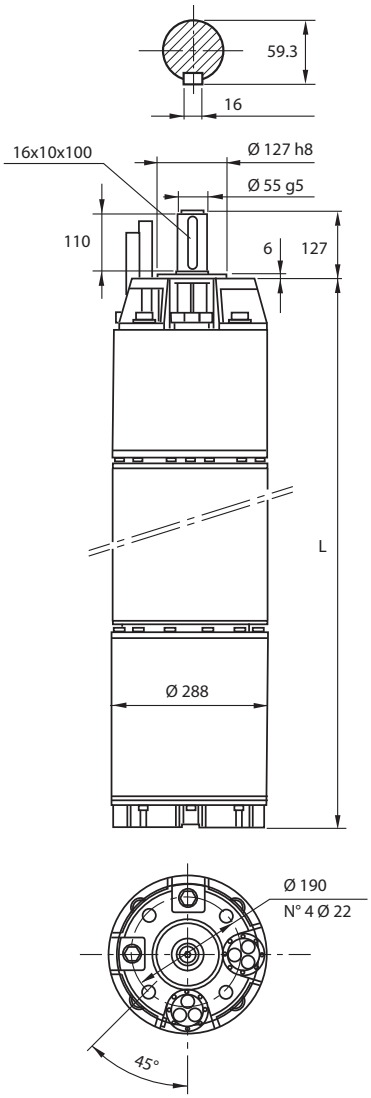
Motore sommerso - riavvolgibile - a bagno d'acqua
Rewindable - water filled - submersible motor

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

DATI TECNICI - TECHNICAL DATA

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Axial load daN	L (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/Cn	Is/In			
M12200-2P	150	200	400	282	2920	87,5	88,3	88	0,75	0,84	0,87	3 X 1 x 50 mm²	6 X 1 x 50 mm²	1,52	6,2		1440	385
M12250-2P	185	250	400	335	2940	88	89,8	89,7	0,77	0,85	0,88	3 X 1 x 70 mm²	6 X 1 x 50 mm²	1,56	6,5		1610	515
M12300-2P	220	300	400	390	2945	89	90,5	91	0,78	0,86	0,89	3 X 2 x 50 mm²	6 X 1 x 50 mm²	1,50	6,7	7000	1760	630
M12350-2P	260	350	400	458	2950	90	90,5	92	0,79	0,86	0,90	3 X 2 x 50 mm²	6 X 1 x 50 mm²	1,50	6,6		1910	697
M12400-2P	300	400	400	528	2950	90	91	91	0,79	0,86	0,89	-	6 X 1 x 70 mm²	1,57	6,5		2060	765

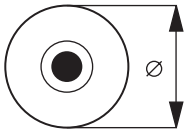


MOTOR COOLING

Inch Motor	Power kW	Speed fluid around the motor (m/s)	Maximum temperature of water for winding (°C)	
			PE	PE2+PA
12" - 2P	150 - 300	0,5	30	50

CABLE DIMENSIONS

Cable cross-section mm²	External dimensions ø mm
1 x 50	16
1 x 70	18,2



Disponibile solo versione cilindrica con chiavetta
Cylindrical version with key only
Uniquement en version cylindrique avec clé
Sólo disponible en versión cilíndrica con llave

Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lato de prolongación del eje): antihorario

Temperatura massima dell'acqua
Max water temperature
Température maximale de l'eau
Temperatura máxima del agua

Max
PE 30°C
PE2+PA 50°C

Massimo 10 avviamenti/ora
Max 10 start/hour
Maximum 10 départs/heure
Máximo 10 arranques/hora

Max 10
P: 150 ÷ 220 kW

Massimo 5 avviamenti/ora
Max 5 start/hour
Maximum 5 départs/heure
Máximo 5 arranques/hora

Max 5
P: 260 ÷ 300 kW

Fattore di servizio
Service factor
Facteur de service
Factor de servicio

50 Hz= 1

*A richiesta con attacco 10" - Upon request also available with 10" coupling

Utilizzo in orizzontale fino a 260 kW
Horizontal use up to 260 kW
Utilisation horizontale jusqu'à 260 kW
Uso horizontal de hasta 260 kW

Motori costruiti in conformità alle Norme IEC EN 60034-1, IEC EN 60204-1 ed alle Norme NEMA MG1
Tolleranze secondo Norme IEC EN 60034-1, IEC EN 60204-1 = Norme NEMA MG1 - Norme DIN-VDE 0530

Motors manufactured in conformity to IEC EN 60034-1, IEC EN 60204-1 and NEMA MG1 Standard
Tolerance in conformity to IEC EN 60034-1, IEC EN 60204-1 = MG1 NEMA Std, DIN-VDE 0530 Standard

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12" Versione 4 poli / 4 poles version

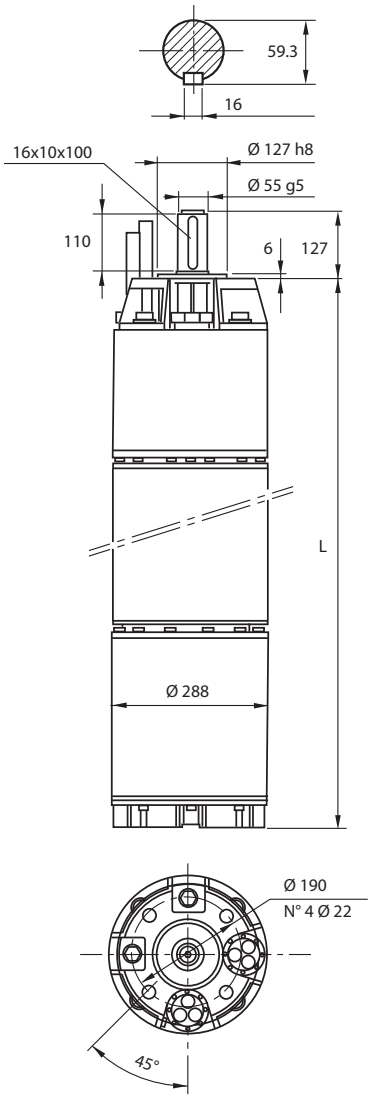
Motore sommerso - riavvolgibile - a bagno d'acqua
Rewindable - water filled - submersible motor

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

DATI TECNICI - TECHNICAL DATA

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Axial load daN	L (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/Cn	Is/In			
M12150-4P	110	150	400	215	1450	87,5	88,3	88	0,67	0,79	0,84	3 X 1 x 50 mm²	6 X 1 x 50 mm²	1,72	4,8		1510	385
M12180-4P	132	180	400	253	1460	88	89	88,6	0,67	0,79	0,85	3 X 1 x 50 mm²	6 X 1 x 50 mm²	1,83	4,9		1660	515
M12200-4P	150	200	400	297	1455	87,8	88	87	0,70	0,80	0,84	3 X 1 x 70 mm²	6 X 1 x 50 mm²	1,65	4,5	7000	1760	630
M12230-4P	170	230	400	326	1450	88	89	88,7	0,70	0,80	0,85	3 X 1 x 70 mm²	6 X 1 x 50 mm²	1,70	4,8		1910	697
M12250-4P	185	250	400	358	1455	88,3	89,1	88,8	0,70	0,79	0,84	3 X 1 x 70 mm²	6 X 1 x 50 mm²	1,65	4,9		2010	765
M12300-4P	220	300	400	425	1450	88,5	89	88	0,70	0,80	0,85	3 X 2 x 50 mm²	6 X 1 x 50 mm²	1,60	4,9		2160	835

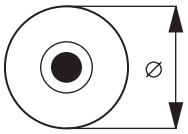


MOTOR COOLING

Inch Motor	Power kW	Speed fluid around the motor (m/s)	Maximum temperature of water for winding (°C)	
			PE	PE2+PA
12" - 4P	110 - 220	0,5	30	50

CABLE DIMENSIONS

Cable cross-section mm²	External dimensions ø mm
1 x 50	16
1 x 70	18,2



Disponibile solo versione cilindrica con chiavetta
Cylindrical version with key only
Uniquement en version cylindrique avec clé
Sólo disponible en versión cilíndrica con llave

Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lato de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max PE 30°C PE2+PA 50°C**
Massimo 10 avviamenti/ora Max 10 start/hour Maximum 10 départs/heure Máximo 10 arranques/hora	**Max 10** P: 110 ÷ 150 kW
Massimo 5 avviamenti/ora Max 5 start/hour Maximum 5 départs/heure Máximo 5 arranques/hora	**Max 5** P: 170 ÷ 220 kW
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

*A richiesta con attacco 10" - Upon request also available with 10" coupling

Utilizzo in orizzontale fino a 260 kW
Horizontal use up to 260 kW
Utilisation horizontale jusqu'à 260 kW
Uso horizontal de hasta 260 kW

Motori costruiti in conformità alle Norme IEC EN 60034-1, IEC EN 60204-1 ed alle Norme NEMA MG1
Tolleranze secondo Norme IEC EN 60034-1, IEC EN 60204-1 = Norme NEMA MG1 - Norme DIN-VDE 0530

Motors manufactured in conformity to IEC EN 60034-1, IEC EN 60204-1 and NEMA MG1 Standard
Tolerance in conformity to IEC EN 60034-1, IEC EN 60204-1 = MG1 NEMA Std, DIN-VDE 0530 Standard

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6"- 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



CARATTERISTICHE DEI MOTORI SOMMERSI - 6"/8"/10"- 2 POLI 50 Hz
Protezione: IP 68
Versione Standard con supporti motore in ghisa G25
Disponibile su richiesta anche in AISI 304, AISI 316, DUPLEX
Su richiesta, è possibile personalizzare la lunghezza del cavo
Sensore di temperatura PT100 disponibile su richiesta

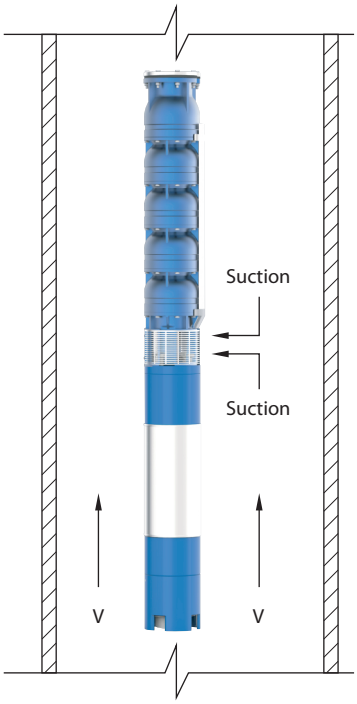
SUBMERSIBLE MOTORS FEATURES - 6"/8"/10"- 2 POLES 50 Hz
Protection: IP 68
Standard version in G25 cast iron motor supports
Also available on request in AISI 304, AISI 316, DUPLEX
Cable length can be customized upon request
PT100 temperature sensor available on request

CARACTERISTIQUES DES MOTEURS IMMERGES - 6"/8"/10"- 2 POLES 50 Hz
Protection: IP 68
Version standard avec supports de moteur en fonte G25
Disponible sur demande aussi en AISI 304 , AISI 316, DUPLEX
Possibilité de personnaliser la longueur du câble
Disponibilité du senseur de température PT100 sur demande

CARACTERÍSTICAS DE LOS MOTORES SUBMERGIBLES - 6"/8"/10"- 2 POLOS 50 Hz
Protección: IP 68
Versión estándar con soportes de motor en hierro fundido G25
Disponible sobre demande tambien en AISI 304, AISI 316, DUPLEX
Largo del cable personalisable bajo pedido
Sensor de temperatura PT100 disponible bajo pedido

MOTOR COOLING

Inch Motor	Power kW	Speed fluid around the motor (m/s)	Maximum temperature of water for winding (°C)	
			PE	PE2+PA
6"	4 - 15	0,2	30	50
	18,5 - 30	0,5	30	50
	37	0,5	30	50
8"	30 - 55	0,2	30	50
	66 -110	0,5	30	50
10"	75 - 184	0,5	30	50



4”-12” 50Hz

Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos

Alta affidabilità
High reliability
Haute fiabilité
Alta confiabilidad



Clean
Civil
Industry
Fire
Agriculture

RICAMBI - TABELLE MATERIALI
SPARE PARTS - MATERIAL CHARTS
PIÈCES DE RECHANGE - TABLEAUX DE MATÉRIAUX
PIEZAS DE REPUESTO - TABLAS DE MATERIALES

metro

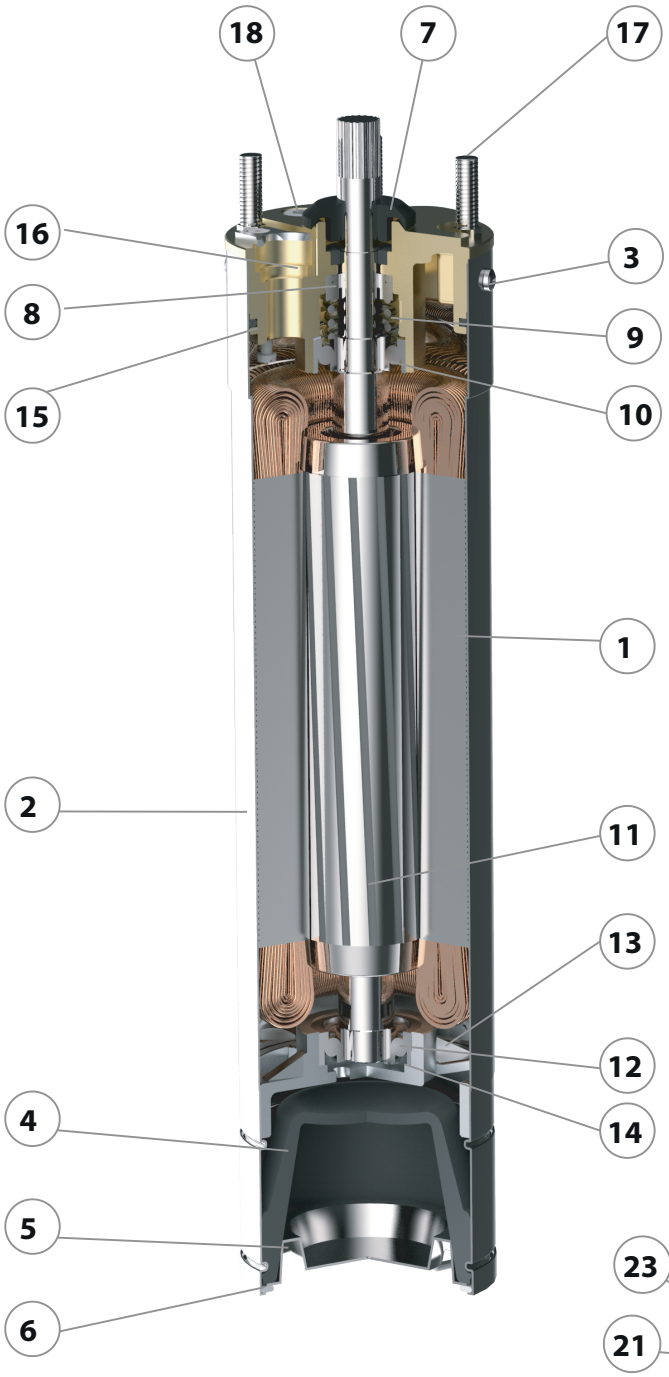
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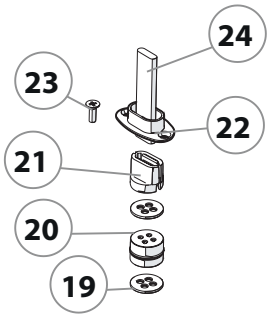
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4”

Motore sommerso - a bagno d'olio
Oil filled - submersible motor





Dettaglio pressacavo motore
Motor cable gland detail
Detalle del prensaestopas del motor
Détail du presse-étoupe moteur

metro MADE IN ITALY

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4"

Motore sommerso - a bagno d'olio
Oil filled - submersible motor

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	STATORE COMPLETO + AVVOLGIMENTO	LAMIERINO MAGN. + AVVOLGIMENTO	COMPLETE STATOR	MAGNETIC LAMINATION + WINDING
2	CAMICIA MOTORE	ACCIAIO INOX AISI 304	MOTOR SLEEVE	AISI 304
3	N.4 VITI PER CAMICIA	ACCIAIO INOX AISI 304	N.4 SCREW FOR SLEEVE	AISI 304
4	POLMONE	GOMMA NBR	DIAPHRAM	RUBBER NBR
5	COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	COVER DIAPHRAM	AISI 304
6	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
7	DEFLETTORE	GOMMA NBR	DEFLECTOR	RUBBER NBR
8	ANELLO DI TENUTA/CORTECO	GOMMA NBR	SEAL RINGS	RUBBER NBR
9	TENUTA MECCANICA	ACCIAO INOX+GRAFITE	MECHANICAL SEAL	AISI+ GRAPHITE
10	CUSCINETTO SUPERIORE	ACCIAIO INOX AISI 304	UPPER BEARING	AISI 304
11	ROTORE COMPLETO	ACCIAIO INOX	COMPLETE ROTOR	AISI
12	CUSCINETTO INFERIORE	ACCIAIO INOX AISI 304	LOWER BEARING	AISI 304
13	SUPPORTO INFERIORE	GHISA	LOWER SUPPORT	CAST IRON
14	RONDELLA ONDULATA	ACCIAIO INOX AISI 304	ONDULATED WASHER	AISI 304
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	SUPPORTO SUPERIORE	OTTONE	UPPER SUPPORT	BRASS
17	N.4 PRIGIONIERI	ACCIAIO INOX AISI 304	N. 4 STUDS	AISI 304
18	TAPPO RIMEPIMENTO OLIO	ACCIAIO INOX AISI 304	CAP OIL FILL	AISI 304
19	PIATTINA PER GOMMINO	ACCIAIO INOX AISI 304	PLATE FOR RUBBER PIECE	AISI 304
20	GOMMINO PRESSAVO	GOMMA NBR	GLAND RUBBER	RUBBER NBR
21	PRESSACAVO	POM	GLAND	POM
22	PIATTINA PRESSACAVO	ACCIAIO INOX AISI 304	GLAND PLATE	AISI 304
23	VITE	ACCIAIO INOX AISI 304	SCREW	AISI 304
24	CAVO DI ALIMENTAZIONE	H07RNF	CABLE ALIMENTATION	AISI 304

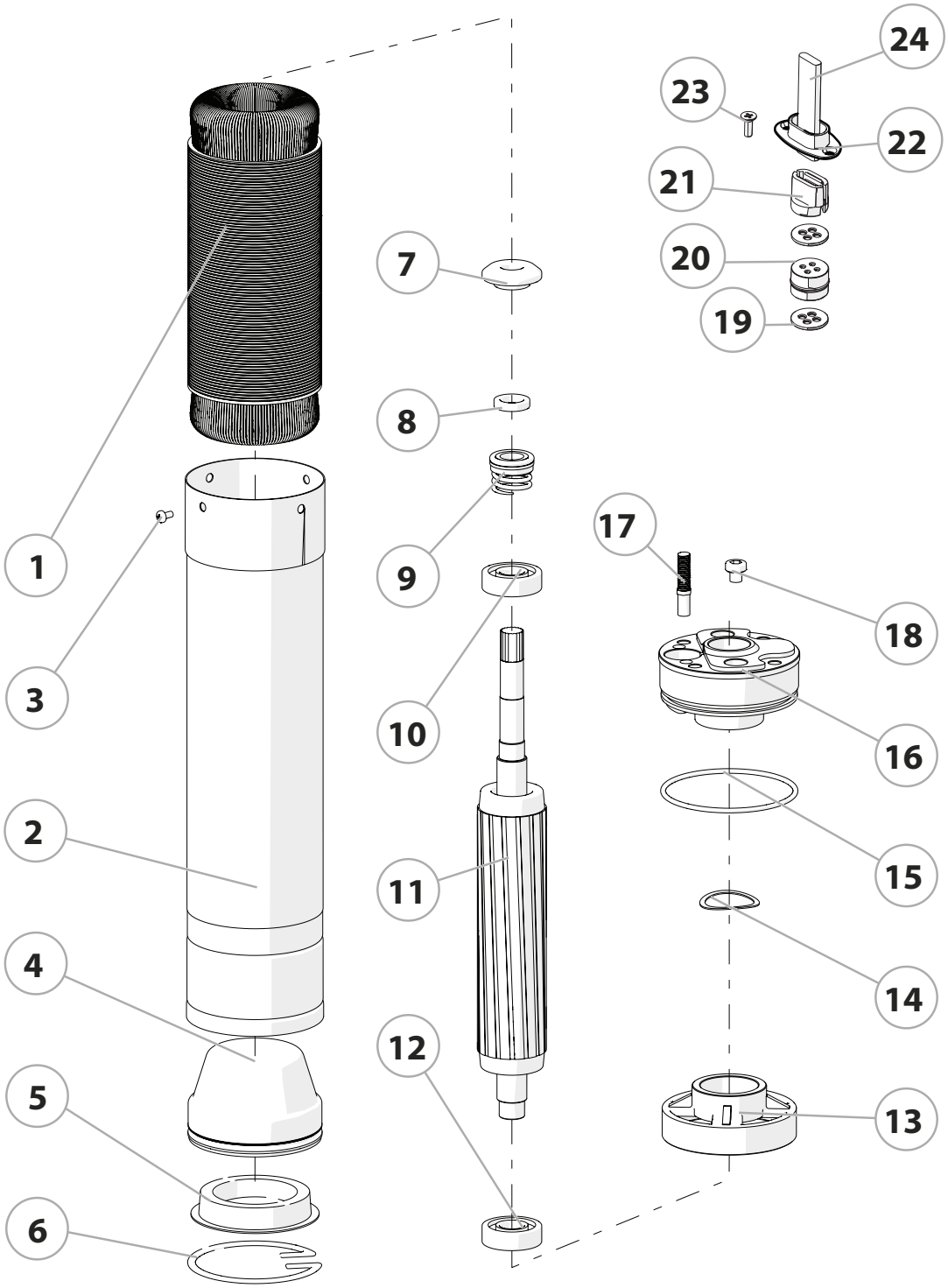
N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	STATOR BOBINE'	MATERIEL MAGNETIQUE	STATOR BOBINADO	MATERIAL MAGNETICO
2	CHEMISE MOTEUR	ACIER INOXYDABLE AISI 304	CAMISA MOTOR	ACERO INOXIDABLE AISI 304
3	N. 4 VIS POUR CHEMISE	ACIER INOXYDABLE AISI 304	N.4 TORNILLOS CAMISA	ACERO INOXIDABLE AISI 304
4	MEMBRANE	CAOUTCHOUC NBR	PULMON	GOMA NBR
5	PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	PROTECTION PULMON	ACERO INOXIDABLE AISI 304
6	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
7	DEFLECTEURS	CAOUTCHOUC NBR	DEFLECTOR	GOMA NBR
8	BAGUES D'USURE	CAOUTCHOUC NBR	JUNTO	GOMA NBR
9	JOINT MECANIQUE	ACIER INOXYDABLE + GRAPHITE	SELLO MECANICO	ACERO INOXIDABLE + GRAPHITE
10	COUSSINET SUPERIEURE	ACIER INOXYDABLE AISI 304	COJINETE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COMPLETE ROTOR	ACIER INOXYDABLE	ROTOR COMPLETO	ACERO INOXIDABLE
12	COUSSINET INFERIEUR	ACIER INOXYDABLE AISI 304	COJINETE INFERIOR	ACERO INOXIDABLE AISI 304
13	SUPPORT INFERIEUR	FONTE	SOPORTE INFERIOR	HIERRO FUNDIDO
14	RONDELLE ONDULEE	ACIER INOXYDABLE AISI 304	RONDELA	ACERO INOXIDABLE AISI 304
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	SUPPORT SUPERIEURE	LAITO	SOPORTE SUPERIOR	LATON
17	N.4 TIGES	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS	ACERO INOXIDABLE AISI 304
18	OIL FILL	ACIER INOXYDABLE AISI 304	TAPON RELLENAMIENTO ACEITE	ACERO INOXIDABLE AISI 304
19	PLAQUE POUR CAOUTCHOUC	ACIER INOXYDABLE AISI 304	GRAPA PARA CAUCHO	ACERO INOXIDABLE AISI 304
20	GLAND CAOUTCHOUC	CAOUTCHOUC NBR	PRENSACABLE EN CAUCHO	GOMA NBR
21	GLAND	POM	PRENSACABLE	POM
22	GLAND PLAQUE	ACIER INOXYDABLE AISI 304	GRAPA PRENSACABLE	ACERO INOXIDABLE AISI 304
23	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
24	CABLE D'ALIMENTATION	H07RNF	CABLE DE POTENCIA	H07RNF

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4”

Motore sommerso - a bagno d'olio
Oil filled - submersible motor

Dettaglio pressacavo motore
Motor cable gland detail
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Détail du presse-étoupe moteur



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4"

Motore sommerso - a bagno d'olio
Oil filled - submersible motor

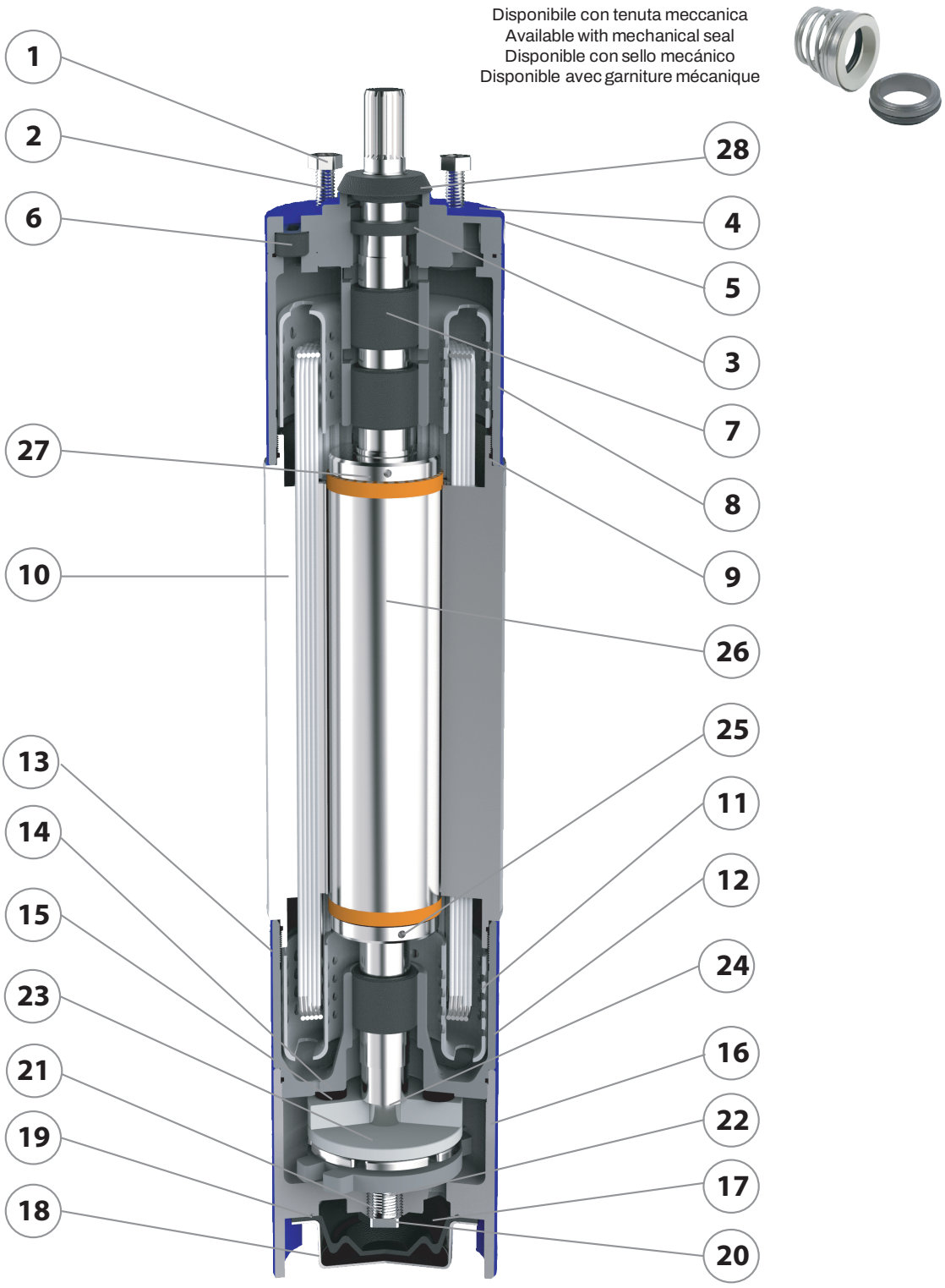
N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	STATORE COMPLETO + AVVOLGIMENTO	LAMIERINO MAGN. + AVVOLGIMENTO	COMPLETE STATOR	MAGNETIC LAMINATION + WINDING
2	CAMICIA MOTORE	ACCIAIO INOX AISI 304	MOTOR SLEEVE	AISI 304
3	N.4 VITI PER CAMICIA	ACCIAIO INOX AISI 304	N.4 SCREW FOR SLEEVE	AISI 304
4	POLMONE	GOMMA NBR	DIAPHRAM	RUBBER NBR
5	COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	COVER DIAPHRAM	AISI 304
6	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
7	DEFLETTORE	GOMMA NBR	DEFLECTOR	RUBBER NBR
8	ANELLO DI TENUTA/CORTECO	GOMMA NBR	SEAL RINGS	RUBBER NBR
9	TENUTA MECCANICA	ACCIAO INOX+GRAFITE	MECHANICAL SEAL	AISI+ GRAPHITE
10	CUSCINETTO SUPERIORE	ACCIAIO INOX AISI 304	UPPER BEARING	AISI 304
11	ROTORE COMPLETO	ACCIAIO INOX	COMPLETE ROTOR	AISI
12	CUSCINETTO INFERIORE	ACCIAIO INOX AISI 304	LOWER BEARING	AISI 304
13	SUPPORTO INFERIORE	GHISA	LOWER SUPPORT	CAST IRON
14	RONDELLA ONDULATA	ACCIAIO INOX AISI 304	ONDULATED WASHER	AISI 304
15	O-RING	GOMMA NBR	O-RING	RUBBER NBR
16	SUPPORTO SUPERIORE	OTTONE	UPPER SUPPORT	BRASS
17	N.4 PRIGIONIERI	ACCIAIO INOX AISI 304	N. 4 STUDS	AISI 304
18	TAPPO RIMEPIMENTO OLIO	ACCIAIO INOX AISI 304	CAP OIL FILL	AISI 304
19	PIATTINA PER GOMMINO	ACCIAIO INOX AISI 304	PLATE FOR RUBBER PIECE	AISI 304
20	GOMMINO PRESSAVO	GOMMA NBR	GLAND RUBBER	RUBBER NBR
21	PRESSACAVO	POM	GLAND	POM
22	PIATTINA PRESSACAVO	ACCIAIO INOX AISI 304	GLAND PLATE	AISI 304
23	VITE	ACCIAIO INOX AISI 304	SCREW	AISI 304
24	CAVO DI ALIMENTAZIONE	H07RNF	CABLE ALIMENTATION	AISI 304

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	STATOR BOBINE'	MATERIEL MAGNETIQUE	STATOR BOBINADO	MATERIAL MAGNETICO
2	CHEMISE MOTEUR	ACIER INOXYDABLE AISI 304	CAMISA MOTOR	ACERO INOXIDABLE AISI 304
3	N. 4 VIS POUR CHEMISE	ACIER INOXYDABLE AISI 304	N.4 TORNILLOS CAMISA	ACERO INOXIDABLE AISI 304
4	MEMBRANE	CAOUTCHOUC NBR	PULMON	GOMA NBR
5	PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	PROTECTION PULMON	ACERO INOXIDABLE AISI 304
6	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
7	DEFLECTEURS	CAOUTCHOUC NBR	DEFLECTOR	GOMA NBR
8	BAGUES D'USURE	CAOUTCHOUC NBR	JUNTO	GOMA NBR
9	JOINT MECANIQUE	ACIER INOXYDABLE + GRAPHITE	SELLO MECANICO	ACERO INOXIDABLE + GRAPHITE
10	COUSSINET SUPERIEURE	ACIER INOXYDABLE AISI 304	COJINETE SUPERIOR	ACERO INOXIDABLE AISI 304
11	COMPLETE ROTOR	ACIER INOXYDABLE	ROTOR COMPLETO	ACERO INOXIDABLE
12	COUSSINET INFERIEUR	ACIER INOXYDABLE AISI 304	COJINETE INFERIOR	ACERO INOXIDABLE AISI 304
13	SUPPORT INFERIEUR	FONTE	SOPORTE INFERIOR	HIERRO FUNDIDO
14	RONDELLE ONDULEE	ACIER INOXYDABLE AISI 304	RONDELA	ACERO INOXIDABLE AISI 304
15	O-RING	CAOUTCHOUC NBR	ANILLO TORICO	GOMA NBR
16	SUPPORT SUPERIEURE	LAITO	SOPORTE SUPERIOR	LATON
17	N.4 TIGES	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS	ACERO INOXIDABLE AISI 304
18	OIL FILL	ACIER INOXYDABLE AISI 304	TAPON RELLENAMIENTO ACEITE	ACERO INOXIDABLE AISI 304
19	PLAQUE POUR CAOUTCHOUC	ACIER INOXYDABLE AISI 304	GRAPA PARA CAUCHO	ACERO INOXIDABLE AISI 304
20	GLAND CAOUTCHOUC	CAOUTCHOUC NBR	PRENSACABLE EN CAUCHO	GOMA NBR
21	GLAND	POM	PRENSACABLE	POM
22	GLAND PLAQUE	ACIER INOXYDABLE AISI 304	GRAPA PRENSACABLE	ACERO INOXIDABLE AISI 304
23	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
24	CABLE D'ALIMENTATION	H07RNF	CABLE DE POTENCIA	H07RNF

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6" - 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors



metro MADE IN ITALY

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6" - 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

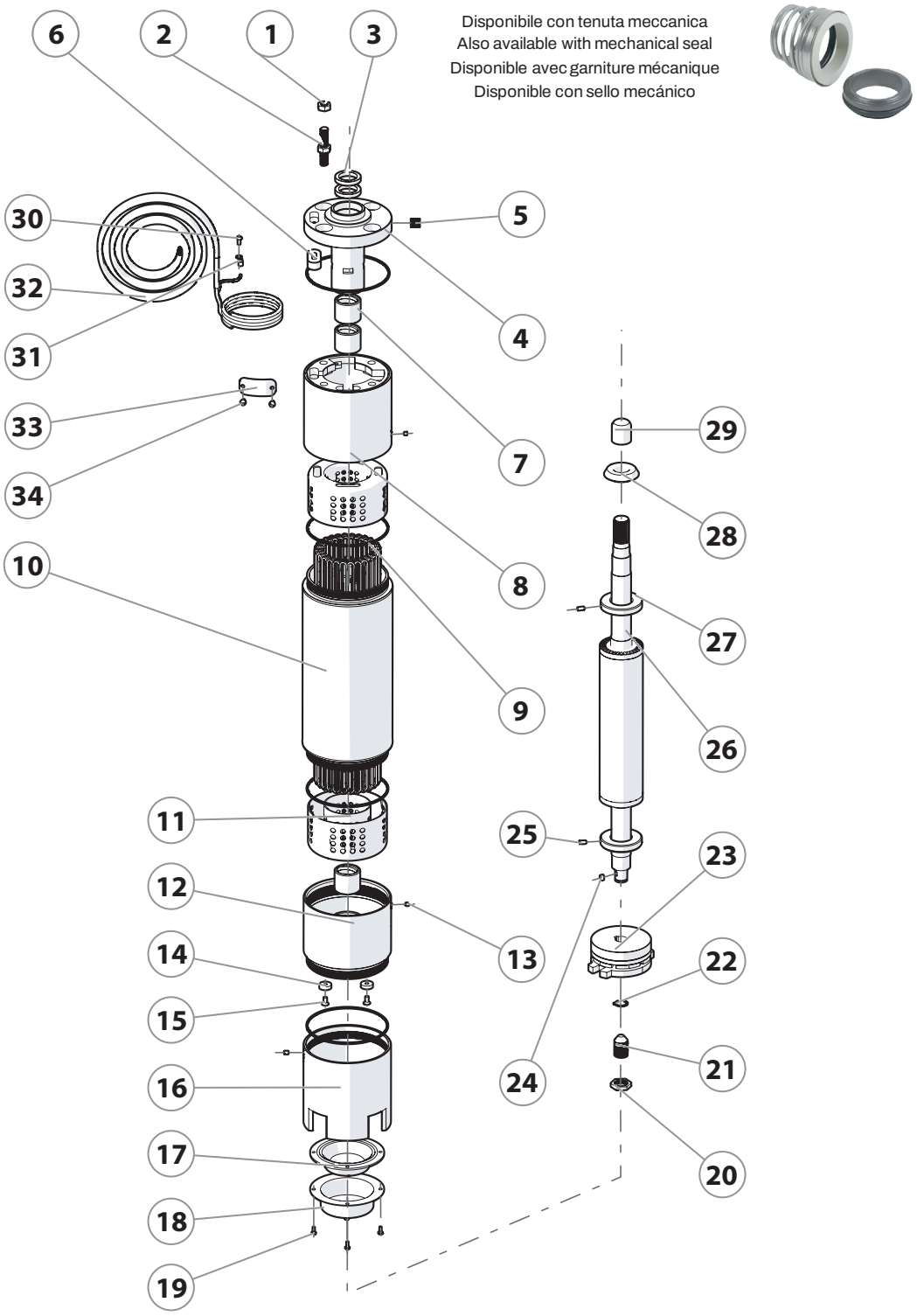
N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	N. 4 DADI	ACCIAIO INOX AISI 304	N. 4 NUTS	AISI 304
2	N. 4 PRIGIONIERI	ACCIAIO INOX AISI 304	N. 4 STUDS	AISI 304
3	N. 2 ANELLI DI TENUTA	GOMMA NBR	N. 2 SEAL RINGS	RUBBER NBR
4	SUPPORTO SUPERIORE	GHISA	UPPER SUPPORT	CAST IRON
5	N. 2 GRANI	ACCIAIO INOX AISI 304	N.2 GRAINS	AISI 304
6	PRESSACAVO	GOMMA NBR	GROMMET	RUBBER NBR
7	N.3 BRONZINE	GRAFITE	N.3 BEARINGS	GRAPHITE
8	TESTATA SUPERIORE CARCASSA	GHISA	MOTOR CASING	CAST IRON
9	N. 4 O-RING	GOMMA NBR	N. 4 O-RING	RUBBER NBR
10	STATORE COMPLETO + AVVOLGIMENTO	LAMIERINO MAGNETICO+AVVOLGIMENTO	COMPLETE STATOR	MAGNETIC LAMINATION + WINDING
11	N.2 COVER PROTEZIONE AVVOLGIMENTO	POM	N. 2 COVERS WINDING PROTECTION	POM
12	SUPPORTO INFERIORE	GHISA	LOWER SUPPORT	CAST IRON
13	N. 3 GRANI	ACCIAIO INOX AISI 304	N.3 SCREW	AISI 304
14	N. 2 ANELLI CONTROSOSPENSIONE	TEFLON	N. 2 DISKS CONTROSUSPENTION	TEFLON
15	N. 2 VITI M4 PER CONTROSOSPENSIONE	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR CONTROSUSPENTION	AISI 304
16	BASE MOTORE	GHISA	BASE MOTOR	CAST IRON
17	POLMONE	GOMMA NBR	DIAPHRAM	RUBBER NBR
18	COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	COVER DIAPHRAM	AISI 304
19	N. 4 VITI PER COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	N. 4 SCREWS FOR COVER DIAPHRAM	AISI 304
20	DADO BASSO	ACCIAIO INOX AISI 304	NUT	AISI 304
21	GRANO	ACCIAIO INOX AISI 304	SCREW	AISI 304
22	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
23	SOSPENSIONE COMPLETA	ACCIAIO+GRAFITE	TRUST BEARING	AISI + GRAPHITE
24	CHIAVETTA	ACCIAIO INOX AISI 304	KEY	AISI 304
25	N.2 GRANO EQULIBRATORE	ACCIAIO INOX AISI 304	N. 2 GRAINS FOR STABILIZER	AISI 304
26	ROTORE COMPLETO	ACCIAIO	COMPLETE ROTOR	AISI
27	N.2 EQULIBRATORI	ACCIAIO	N.2 STABILIZERS	AISI
28	DEFLETTORE	GOMMA NBR	DEFLECTOR	RUBBER NBR
29	PROTEZIONE MILLERIGHE	GOMMA NBR	PROTECTION SHAFT	RUBBER NBR
30	VITE PER CAPOCORDA	ACCIAIO INOX AISI 304	SCREW FOR CABLE CLAMPS	AISI 304
31	CAPOCORDA	PLASTICA	CABLE CLAMPS	PLASTIC
32	CAVO PIATTO ALIMENTAZIONE	H07 RNF	CABLE	H07 RNF
33	ETICHETTA METALLICA	ACCIAIO INOX AISI 304	METALLIC LABLES	AISI 304
34	N. 2 VITI PER ETICHETTA METALLICA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR METALLIC LABLES	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	N.4 ECROUX	ACIER INOXYDABLE AISI 304	N. 4 TUERCAS	ACERO INOXIDABLE AISI 304
2	N.4 TIGES	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS	ACERO INOXIDABLE AISI 304
3	N. 2 BAGUES D'USURE	CAOUTCHOUC NBR	N. 2 JUNTAS	GOMA NBR
4	SUPPORT SUPERIEURE	FONTE	SOPORTE SUPERIOR	HIERRO FUNDIDO
5	N. 2 VIS	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS	ACERO INOXIDABLE AISI 304
6	PASSE-FIL	CAOUTCHOUC NBR	PRENSACABLE	GOMA NBR
7	N. 3 COUSSINETS	GRAPHITE	N. 3 COJINETES	GRAPHITE
8	CARCASSE MOTEUR	FONTE	CARCASA DEL MOTOR	HIERRO FUNDIDO
9	N.4 O-RING	CAOUTCHOUC NBR	N. 4 ANILLOS TORICOS	GOMA NBR
10	STATOR BOBINE'	MATEIRIEL MAGNETIQUE	STATOR BOBINADO	MATEIRIAL MAGNETICO
11	N.2 PROTECTION BOBINAGE	POM	N.2 PROTECTION BOBINAJE	POM
12	SUPPORT INFERIEUR	FONTE	SOPORTE INFERIOR	HIERRO FUNDIDO
13	N.3 VIS	ACIER INOXYDABLE AISI 304	N. 3 TORNILLOS	ACERO INOXIDABLE AISI 304
14	N. 2 DISQUES CONTRE SUSPENTION	TEFLON	N. 2 ANILLOS CONTRA SUSPENCION	TEFLON
15	N. 2 VIS POUR CONTRE SUSPENTION	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS M4 CONTRA SUSPENCION	ACERO INOXIDABLE AISI 304
16	BASE MOTEUR	FONTE	BASE MOTOR	HIERRO FUNDIDO
17	MEMBRANE	CAOUTCHOUC NBR	PULMON	GOMA NBR
18	PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	PROTECTION PULMON	ACERO INOXIDABLE AISI 304
19	N. 4 VIS POUR PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS PROTECTION PULMON	ACERO INOXIDABLE AISI 304
20	ECROU	ACIER INOXYDABLE AISI 304	TUERCA	ACERO INOXIDABLE AISI 304
21	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
22	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
23	GROUP DE SUSPENSION	ACIER+GRAPHITE	GRUPO DE SUSPENCION	ACERO+GRAPHITE
24	CLAVETTE	ACIER INOXYDABLE AISI 304	CHAVETA	ACERO INOXIDABLE AISI 304
25	N. 2 VIS POUR EQULIBRATEUR	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS EQUILIBRADOR	ACERO INOXIDABLE AISI 304
26	COMPLETE ROTOR	ACIER	ROTOR COMPLETO	ACERO
27	N. 2 EQULIBRATEURS	ACIER	N.2 EQUILIBRADORES	ACERO
28	DEFLECTEURS	CAOUTCHOUC NBR	DEFLECTOR	GOMA NBR
29	PROTECTION ARBRE	CAOUTCHOUC NBR	PROTECTION ACOPLAMIENTO	GOMA NBR
30	VIS POUR FIXATION DU CABLE	ACIER INOXYDABLE AISI 304	TORNILLO POR FIXACION CABLE	ACERO INOXIDABLE AISI 304
31	FIXATION DU CABLE	PLASTIQUE	FIXACION CABLE	PLÁSTICO
32	CABLE	H07 RNF	CABLE	H07 RNF
33	ETIQUETTE METALLIQUE	ACIER INOXYDABLE AISI 304	PLACA METALICA	ACERO INOXIDABLE AISI 304
34	N. 2 VIS POUR ETIQUETTE METALLIQUE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS POR PLACA METALICA	ACERO INOXIDABLE AISI 304

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6" - 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors



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6" - 8" - 10"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

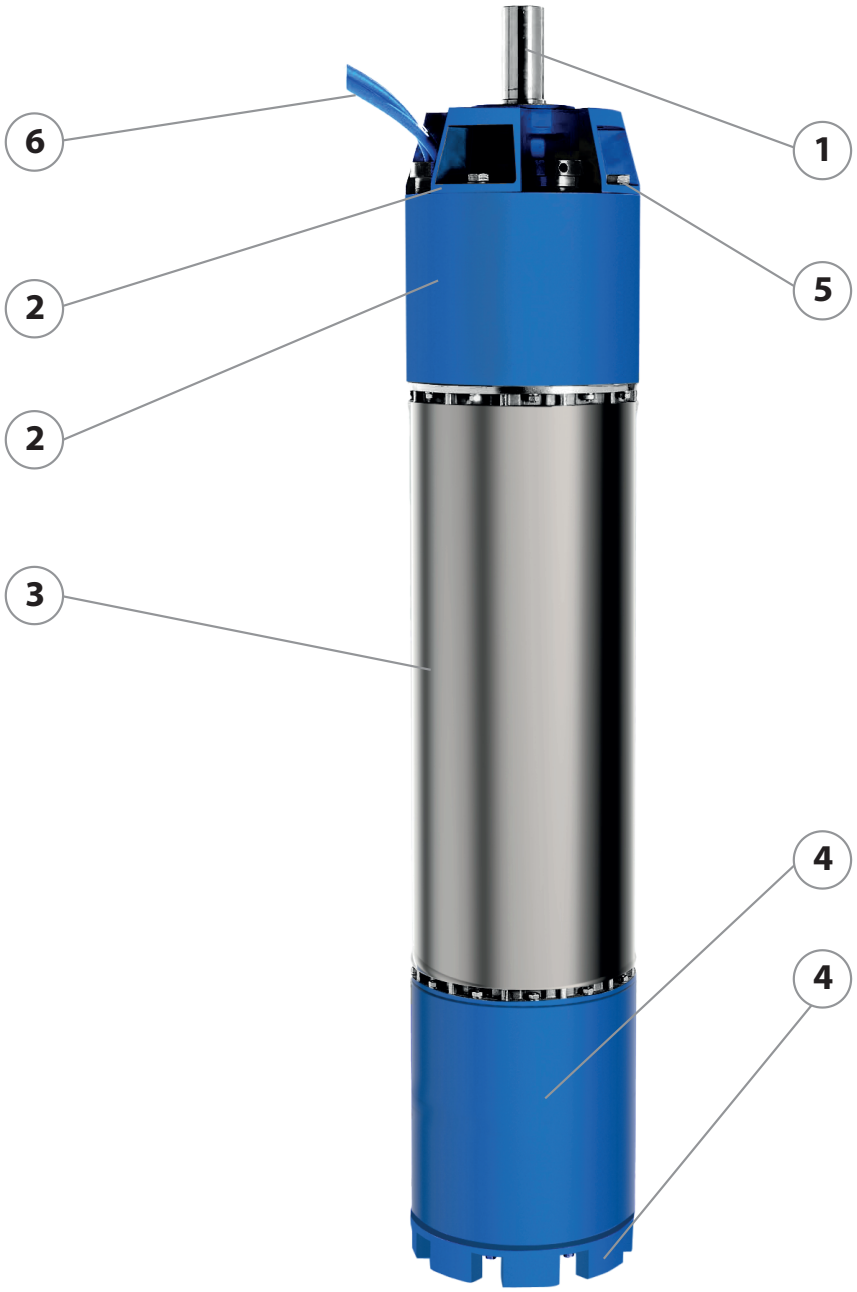
N. CODE	DESCRIZIONE (italiano)	MATERIALE (italiano)	DESCRIZIONE (english)	MATERIAL (english)
1	N. 4 DADI	ACCIAIO INOX AISI 304	N. 4 NUTS	AISI 304
2	N. 4 PRIGIONIERI	ACCIAIO INOX AISI 304	N. 4 STUDS	AISI 304
3	N. 2 ANELLI DI TENUTA	GOMMA NBR	N. 2 SEAL RINGS	RUBBER NBR
4	SUPPORTO SUPERIORE	GHISA	UPPER SUPPORT	CAST IRON
5	N. 2 GRANI	ACCIAIO INOX AISI 304	N.2 GRAINS	AISI 304
6	PRESSACAVO	GOMMA NBR	GROMMET	RUBBER NBR
7	N.3 BRONZINE	GRAFITE	N.3 BEARINGS	GRAPHITE
8	TESTATA SUPERIORE CARCASSA	GHISA	MOTOR CASING	CAST IRON
9	N. 4 O-RING	GOMMA NBR	N. 4 O-RING	RUBBER NBR
10	STATORE COMPLETO + AVVOLGIMENTO	LAMIERINO MAGNETICO+AVVOLGIMENTO	COMPLETE STATOR	MAGNETIC LAMINATION + WINDING
11	N.2 COVER PROTEZIONE AVVOLGIMENTO	POM	N. 2 COVERS WINDING PROTECTION	POM
12	SUPPORTO INFERIORE	GHISA	LOWER SUPPORT	CAST IRON
13	N. 3 GRANI	ACCIAIO INOX AISI 304	N.3 SCREW	AISI 304
14	N. 2 ANELLI CONTROSOSPENSIONE	TEFLON	N. 2 DISKS CONTROSUSPENTION	TEFLON
15	N. 2 VITI M4 PER CONTROSOSPENSIONE	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR CONTROSUSPENTION	AISI 304
16	BASE MOTORE	GHISA	BASE MOTOR	CAST IRON
17	POLMONE	GOMMA NBR	DIAPHRAM	RUBBER NBR
18	COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	COVER DIAPHRAM	AISI 304
19	N. 4 VITI PER COVER COPRIPOLMONE	ACCIAIO INOX AISI 304	N. 4 SCREWS FOR COVER DIAPHRAM	AISI 304
20	DADO BASSO	ACCIAIO INOX AISI 304	NUT	AISI 304
21	GRANO	ACCIAIO INOX AISI 304	SCREW	AISI 304
22	SEEGER	ACCIAIO INOX AISI 304	SEEGER	AISI 304
23	SOSPENSIONE COMPLETA	ACCIAIO+GRAFITE	TRUST BEARING	AISI + GRAPHITE
24	CHIAVETTA	ACCIAIO INOX AISI 304	KEY	AISI 304
25	N.2 GRANO EQULIBRATORE	ACCIAIO INOX AISI 304	N. 2 GRAINS FOR STABILIZER	AISI 304
26	ROTORE COMPLETO	ACCIAIO	COMPLETE ROTOR	AISI
27	N.2 EQULIBRATORI	ACCIAIO	N.2 STABILIZERS	AISI
28	DEFLETTORE	GOMMA NBR	DEFLECTOR	RUBBER NBR
29	PROTEZIONE MILLERIGHE	GOMMA NBR	PROTECTION SHAFT	RUBBER NBR
30	VITE PER CAPOCORDA	ACCIAIO INOX AISI 304	SCREW FOR CABLE CLAMPS	AISI 304
31	CAPOCORDA	PLASTICA	CABLE CLAMPS	PLASTIC
32	CAVO PIATTO ALIMENTAZIONE	H07 RNF	CABLE	H07 RNF
33	ETICHETTA METALLICA	ACCIAIO INOX AISI 304	METALLIC LABLES	AISI 304
34	N. 2 VITI PER ETICHETTA METALLICA	ACCIAIO INOX AISI 304	N. 2 SCREWS FOR METALLIC LABLES	AISI 304

N. CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (español)	MATERIAL (español)
1	N.4 ECROUX	ACIER INOXYDABLE AISI 304	N. 4 TUERCAS	ACERO INOXIDABLE AISI 304
2	N.4 TIGES	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS	ACERO INOXIDABLE AISI 304
3	N. 2 BAGUES D'USURE	CAOUTCHOUC NBR	N. 2 JUNTAS	GOMA NBR
4	SUPPORT SUPERIEURE	FONTE	SOPORTE SUPERIOR	HIERRO FUNDIDO
5	N. 2 VIS	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS	ACERO INOXIDABLE AISI 304
6	PASSE-FIL	CAOUTCHOUC NBR	PRENSACABLE	GOMA NBR
7	N. 3 COUSSINETS	GRAPHITE	N. 3 COJINETES	GRAPHITE
8	CARCASSE MOTEUR	FONTE	CARCASA DEL MOTOR	HIERRO FUNDIDO
9	N.4 O-RING	CAOUTCHOUC NBR	N. 4 ANILLOS TORICOS	GOMA NBR
10	STATOR BOBINE'	MATEIRIEL MAGNETIQUE	STATOR BOBINADO	MATEIRIAL MAGNETICO
11	N.2 PROTECTION BOBINAGE	POM	N.2 PROTECTION BOBINAJE	POM
12	SUPPORT INFERIEUR	FONTE	SOPORTE INFERIOR	HIERRO FUNDIDO
13	N.3 VIS	ACIER INOXYDABLE AISI 304	N. 3 TORNILLOS	ACERO INOXIDABLE AISI 304
14	N. 2 DISQUES CONTRE SUSPENTION	TEFLON	N. 2 ANILLOS CONTRA SUSPENCION	TEFLON
15	N. 2 VIS POUR CONTRE SUSPENTION	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS M4 CONTRA SUSPENCION	ACERO INOXIDABLE AISI 304
16	BASE MOTEUR	FONTE	BASE MOTOR	HIERRO FUNDIDO
17	MEMBRANE	CAOUTCHOUC NBR	PULMON	GOMA NBR
18	PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	PROTECTION PULMON	ACERO INOXIDABLE AISI 304
19	N. 4 VIS POUR PROTECTION MEMBRANE	ACIER INOXYDABLE AISI 304	N. 4 TORNILLOS PROTECTION PULMON	ACERO INOXIDABLE AISI 304
20	ECROU	ACIER INOXYDABLE AISI 304	TUERCA	ACERO INOXIDABLE AISI 304
21	VIS	ACIER INOXYDABLE AISI 304	TORNILLO	ACERO INOXIDABLE AISI 304
22	SEEGER	ACIER INOXYDABLE AISI 304	SEEGER	ACERO INOXIDABLE AISI 304
23	GROUP DE SUSPENSION	ACIER+GRAPHITE	GRUPO DE SUSPENCION	ACERO+GRAPHITE
24	CLAVETTE	ACIER INOXYDABLE AISI 304	CHAVETA	ACERO INOXIDABLE AISI 304
25	N. 2 VIS POUR EQULIBRATEUR	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS EQUILIBRADOR	ACERO INOXIDABLE AISI 304
26	COMPLETE ROTOR	ACIER	ROTOR COMPLETO	ACERO
27	N. 2 EQULIBRATEURS	ACIER	N.2 EQUILIBRADORES	ACERO
28	DEFLECTEURS	CAOUTCHOUC NBR	DEFLECTOR	GOMA NBR
29	PROTECTION ARBRE	CAOUTCHOUC NBR	PROTECTION ACOPLAMIENTO	GOMA NBR
30	VIS POUR FIXATION DU CABLE	ACIER INOXYDABLE AISI 304	TORNILLO POR FIXACION CABLE	ACERO INOXIDABLE AISI 304
31	FIXATION DU CABLE	PLASTIQUE	FIXACION CABLE	PLÁSTICO
32	CABLE	H07 RNF	CABLE	H07 RNF
33	ETIQUETTE METALLIQUE	ACIER INOXYDABLE AISI 304	PLACA METALICA	ACERO INOXIDABLE AISI 304
34	N. 2 VIS POUR ETIQUETTE METALLIQUE	ACIER INOXYDABLE AISI 304	N. 2 TORNILLOS POR PLACA METALICA	ACERO INOXIDABLE AISI 304

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12”

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors



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12"

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

N. CODE	**DESCRIZIONE** (italiano)	**MATERIALE** (italiano)	**DESCRIZIONE** (english)	**MATERIAL** (english)
1	SPORGENZA ALBERO	ACCIAIO INOX AISI 431	SHAFT END	AISI 431
2	SUPPORTO E COPERCHIO SUPERIORE	GHISA	UPPER SUPPORT AND COVER	CAST IRON
3	TUBO STATORE	ACCIAIO INOX AISI 304	STATOR TUBE	AISI 304
4	SUPPORTO INFERIORE E PIEDE	GHISA	LOWER SUPPORT AND BASE	CAST IRON
5	VITERIA	ACCIAIO INOX AISI 304	SCREWS	AISI 304
6	CAVO	CERTIFICATO PER ACQUA POTABILE	CABLE	APPROVED FOR DRINKING WATER
-	COMPONENTI IN GOMMA	EPDM	RUBBER PARTS	EPDM
-	TENUTA MECCANICA	*	MECHANICAL SEAL	*

* Carburo di silicio, carburo di tungsteno, EPDM e acciaio inox

* *Silicon carbide, tungsten carbide, EPDM and stainless steel*

N. CODE	**DESCRIPTION** (Français)	**MATÉRIEL** (Français)	**DESCRIPCIÓN** (español)	**MATERIAL** (español)
1	EXTENSION DE L'ARBRE	AISI 431	SALIENTE DE EJE	AISI 431
2	SUPPORT ET COUVERCLE SUPÉRIEUR	FONTE	SOPORTE Y TAPA SUPERIOR	HIERRO FUNDIDO
3	TUBE STATOR	AISI 304	TUBO ESTATOR	AISI 304
4	SUPPORT INFÉRIEUR ET BASE	FONTE	SOPORTE INFERIOR Y BASE	HIERRO FUNDIDO
5	VIS	AISI 304	TORNILLOS	AISI 304
6	CÂBLE	CERTIFIÉ POUR EAU POTABLE	CABLE	APROBADO PARA EL AGUA POTABLE
-	JOINTS EN CAOUTCHOUC	EPDM	JUNTAS DE CAUCHO	EPDM
-	GARNITURE MÉCANIQUE	*	CIERRE MECANICO	*

* Carburo de silicio, carburo de wolframio, EPDM e acero inox

* *Carbure de silicium, carbure de tungstène, EPDM e acier inoxydable*

VERSIONI DISPONIBILI - AVAILABLE VERSIONS - VERSIONS DISPONIBLES - VERSIONES DISPONIBLES



Acciaio inossidabile

Stainless steel

Acier inoxydable

Acero inox

AISI 316 (1.4408)



Ghisa

Cast iron

Fonte

Hierro fundido



Super Duplex

NOTES

6” - 8”

50/60 Hz

Motori sommersi
Submersible motors
Moteurs immergés
Motores sumergidos

HD
Massima solidità
Heavy Duty
Robuste
Servicio pesado

- Clean
- Civil
- Industry
- Fire
- Agriculture



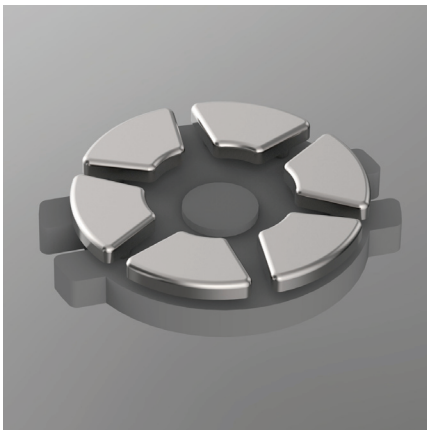
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6"- 8" HEAVY DUTY 50/60 Hz

Motori sommersi - a bagno d'acqua
Water filled - submersible motors
Moteurs immergés - à bain d'eau
Motores sumergibles - en baño de agua

Motori sommersi 6", 8" - a bagno d'acqua HEAVY DUTY, riavvolgibili in PE2+PA
Potenze da 5,5 kW-7,5 HP a 110 kW-150 HP
Massima solidità, grande affidabilità e durata

CARATTERISTICHE:
1. Avvolgimento in PE2+PA
2. Tenuta meccanica (grafite-ceramica)
3. Albero motore in AISI 420 B
4. Sensore di temperatura PT100

PE2+PA rewindable water filled HEAVY DUTY 6", 8" submersible motors
Power from 5,5 kW-7,5 HP up to 110 kW-150 HP
Heavy duty construction for longer operating life and high reliability

FEATURES :
1. Winding in PE2+PA
2. Mechanical seal (graphite-ceramic)
3. Motor shaft in AISI 420 B
4. PT100 temperature sensor

Moteurs immergés à bain d'eau HEAVY DUTY, rebobinables en PE2+PA 6", 8"
Puissance de 5,5 kW- 7,5 HP jusqu'à 110 kW-150 HP
Construction solide, fiabilité et durée à toute preuve

CARACTÉRISTIQUES:
1. Enroulement PE2 + PA
2. Garniture mécanique (graphite-céramique)
3. Arbre moteur en AISI 420 B
4. Capteur de température PT100

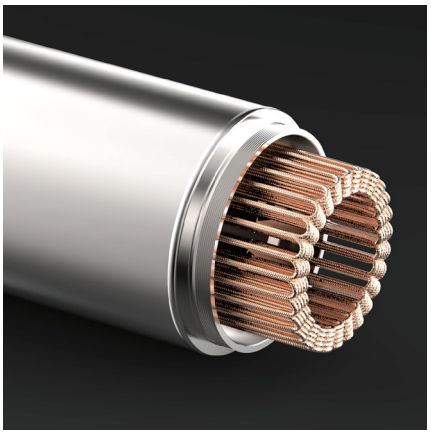
Motores sumergibles HEAVY DUTY en baño de agua, rebobinables en PE2+PA de 6", 8"
Potencia de 5,5 kW-7,5 HP a 110 kW-150 HP
Construción muy sólida: fiabilidad y durabilidad.

CARACTERISTICAS:
1. Bobinado PE2 + PA
2. Sello mecánico (grafito - cerámica)
3. Eje del motor en AISI 420 B
4. Sensor de temperatura PT100

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6"- 8" HEAVY DUTY 50/60 Hz

Motori sommersi - a bagno d'acqua
Water filled - submersible motors
Moteurs immergés - à bain d'eau
Motores sumergibles - en baño de agua

Versione standard con supporti motore in ghisa G25
Disponibile su richiesta anche in AISI 304, AISI 316, DUPLEX

Standard version with G25 cast iron motor supports
Also available on request in AISI 304, AISI 316, and Duplex

Version standard avec supports moteur en fonte G25
Disponible sur demande également en AISI 304, AISI 316, DUPLEX

Versión estándar con soportes de motor de hierro fundido G25
Disponible bajo pedido también en AISI 304, AISI 316, DUPLEX

metro MADE IN ITALY

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6"-8" HEAVY DUTY 50/60 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTORI SOMMERSI 6''/8'' SERIE M600 - M800 HEAVY DUTY
Motori sommersi a bagno d'acqua HEAVY DUTY, riavvolgibili in PE2+PA.
Sono di costruzione particolarmente robusta e in grado di funzionare per lungo tempo senza alcuna manutenzione.
Sono adatti al funzionamento con variatore di frequenza (frequenza minima consentita: 30 Hz).

CARATTERISTICHE COSTRUTTIVE
Camicia esterna in acciaio inox - Supporto inferiore, supporto superiore, carcassa e base motore in Ghisa meccanica G25.
Sporgenza albero e quote di accoppiamento a norme NEMA - Statore avvolto in PE2+PA.
- Grado di protezione IP68.
Rotore con albero in AISI 420B, Guidato da cuscinetti a boccola antiusura in grafite (e/o bronzo BSPB15%) e supportato da un cuscinetto reggispinta a pattini oscillanti (tipo Mitchell) dimensionato per reggere le massime spinte assiali della pompa, con un elevatissimo valore di sicurezza. Membrana di compensazione, posta nella parte inferiore del motore, per equilibrare la pressione interna del motore con quella esterna del pozzo e per la compensazione della variazione di pressione dell'acqua dovuta al riscaldamento durante il funzionamento.
Tenuta meccanica (grafite – ceramica)
Sensore di temperatura PT 100
Lunghezza cavo alimentazione motore, standard: 3 metri

CARATTERISTICHE DI FUNZIONAMENTO
- Disponibili nelle due versioni 50/60 Hz - Variazione massima ammessa sulla tensione di targa del motore : ± 10%
Massimo numero di avviamenti orari : (6'': 15) – (8'': 10)
Massima temperatura dell'acqua 50°C.
Spinta assiale motore 6'': 16.000 N da 4 a 15 kW– 25.000 N da 18,5 a 37 kW - Spinta assiale motore 8'': 45.000 N da 30 a 110 kW

MODELLI
- Motore 6'' da 5,5 a 37 Kw - Motore 8'' da 30 a 110 kW

ESECUZIONI SPECIALI
- Motori a doppia uscita per avviamento stella-triangolo - Esecuzione in acciaio inox AISI 304, AISI 316, Duplex per tutta la gamma

6''/8'' SUBMERSIBLE MOTORS M600 - M 800HEAVY DUTY SERIES
Submersible motors HEAVY DUTY water filled, rewindable submersible motors in PE2+PA
They are of particularly strong construction and able to operate for a long time without any maintenance.
They are suitable for operation with a variable frequency drive (minimum permitted frequency: 30 Hz).

MANUFACTURING FEATURES
Outer casing in stainless steel - Lower support, upper support, housing and motor base in G25 mechanical cast iron.
Shaft extension and coupling dimensions to NEMA standards - Winding stator in PE2+PA.
- Degree of protection IP68.
Rotor with AISI 420B shaft, guided by graphite anti-wear bush bearings (and/or bronze BSPB15%) and supported by a thrust bearing with oscillating pads (Mitchell type) sized to withstand the maximum axial thrusts of the pump, with a very high safety value.
Compensation membrane, located in the lower part of the motor, to balance the internal pressure of the motor with the external pressure of the well and to compensate for the variation in water pressure due to heating during operation.
Mechanical seal (graphite - ceramic) - Temperature sensor PT 100 - Motor power cable length, standard: 3 metres

CHARACTERISTICS
- Available in two versions 50/60 Hz - Maximum permitted variation on motor nameplate voltage : ± 10%
Maximum number of starts per hour : (6'': 15) – (8'': 10)
Maximum water temperature 50°C
Axial thrust 6'' motor: 16.000 N from 4 to 15 kW - 25.000 N from 18,5 to 37 kW - Axial thrust 8'' motor: 45.000 N from 30 to 110 kW

MODELS
- 6'' motor from 5,5 to 37 kW - 8'' motor from 30 to 110 kW

NON STANDARD OPTION
- Double output motors for star-delta starting - AISI 304, AISI 316, Duplex stainless steel execution for the whole range

www.metropumps-italy.com

6"-8" HEAVY DUTY 50/60 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



MOTEURS IMMERGÉS 6''/8'' SÉRIE M600 - M800 HEAVY DUTY
Moteurs immergés HEAVY DUTY, rembobinables à bain d'eau en PE2 + PA.
De construction particulièrement robuste et capables de fonctionner longtemps sans aucune maintenance.
Adaptés au fonctionnement avec un variateur de fréquence (fréquence min.: 30 Hz).

CARACTERISTIQUES DE CONSTRUCTION
Chemise en acier inoxydable - Supports inférieur et supérieur, base en fonte G25. Accouplement NEMA.
Partie statorique bobiné en PE2+PA.
- Degré de protection IP68.
Rotor avec arbre en AISI 420B, bague en graphite (disponible aussi en bronze BSPB15%) avec suspension type MICHELL capable de résister aux charges axiales des pompes avec un standard de sécurité très important.
Membrane de compensation pour équilibrer la pression interne du moteur avec la pression de l'eau du forage et pour la compensation des variations de pression dues aux changements de température.
Garniture mécanique (graphite - céramique)
Senseur de température PT 100
Longueur du câble d'alimentation du moteur standard: 3 mètres

CARACTÉRISTIQUES DE FONCTIONNEMENT
- Disponibles dans les versions 50 Hz et 60 Hz
Variation de tension admissible : ± 10%
Numéro maxi de démarrages par heure : (6'': 15) – (8'' : 10)
Température de l'eau : jusqu'à 50 ° C
Charge axial moteur 6 '': 16000 N de 4 à 15 kW - 25000 N de 18,5 à 37 kW
Charge axial moteur 8 '': 45000 N de 30 à 110 kW

MODELS
- Moteurs 6'' de 5,5 kW jusqu'à 37 kW - Moteurs 8'' de 30 kW jusqu'à 110 kW

EXÉCUTIONS HORS STANDARD
Démarrage étoile-triangle . Toute la gamme est disponible en exécution totalement en acier inoxydable AISI 304, AISI 316, Duplex

MOTORES SUMERGIBLES SERIE 6''/8'' M600 - M800 HEAVY DUTY
Motores sumergibles HEAVY DUTY en baño de agua, rebobinables en PE2+PA.
Son de construcción especialmente resistente y capaces de trabajar durante mucho tiempo sin necesidad de mantenimiento. Son adecuados para el funcionamiento con variador de frecuencia (frecuencia mínima permitida: 30 Hz).

CARACTERISTICAS DE CONSTRUCCION
Carcasa exterior de acero inoxidable - Soporte inferior, soporte superior, carcasa y base del motor de fundición gris G25. Extensión del eje y dimensiones del acoplamiento de acuerdo con las normas NEMA - Estator bobinado en PE2+PA. Grado de protección IP68.
Rotor con eje en AISI 420B, guiado por cojinetes de casquillo resistentes al desgaste de grafito (y/o bronce BSPB15%) y apoyado en un cojinete de empuje axial con pastillas oscilantes (tipo Mitchell) dimensionado para soportar los empujes axiales máximos de la bomba, con un valor de seguridad muy elevado. Membrana de compensación, situada en la parte inferior del motor, para equilibrar la presión interna del motor con la presión externa del pozo y compensar la variación de la presión del agua debida al calentamiento durante el funcionamiento. Cierre mecánico (grafito - cerámica) Sensor de temperatura PT 100. Longitud del cable de alimentación del motor, estándar: 3 metros

CARACTERISTICAS DE FUNCIONAMIENTO
- Disponible en dos versiones 50/60 Hz - Variación máxima permitida en la tensión de la placa de características del motor: ± 10%. Número máximo de arranques por hora : (6'': 15) – (8'': 10)
Temperatura máxima del agua 50°C
Motor de 6'' de empuje axial: 16.000 N de 4 a 15 kW - 25.000 N de 18,5 a 37 kW - Motor de 8'' de empuje axial: 45.000 N de 30 a 110 kW

MODELOS
- Motor de 6'' de 5,5 a 37 Kw - Motor de 8'' de 30 a 110 kW

EXECUCIONES ESPECIALES
- Motores de doble salida para arranque estrella-triángulo - Ejecución en acero inoxidable AISI 304, AISI 316, Dúplex para toda la gama

metro MADE IN ITALY

www.metropumps-italy.com

6" HEAVY DUTY 50 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

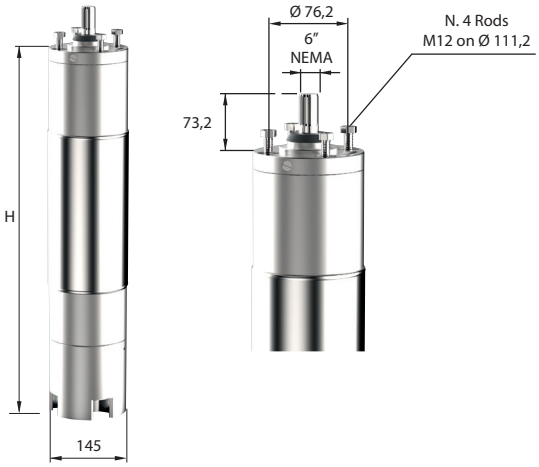
DATI TECNICI - TECHNICAL DATA

Ampere 230 V Three phase = Ampere V 400 x 1,73

50 Hz n= 2900 min

TyMe Motor	MOWER		Volt	A	RMM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HM				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/ Cn	Is/In	Is/In	Is/In			
M607	5,5	7,5	380	12,4	2846	77	82	81	0,67	0,78	0,83	4G x 4 mm²	2 x (4G x 4 mm²)	1,60	5,60	1,90	3,40	1600	671	45
			400	12,3	2859	76	81	80	0,65	0,76	0,81									
			415	12,3	2880	75	80	79	0,63	0,74	0,79									
M610	7,5	10	380	16,6	2843	78	82,5	82	0,68	0,78	0,84	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40		701	55
			400	16,3	2861	77	81,5	81	0,66	0,76	0,82									
			415	16,3	2882	76	80,5	80	0,64	0,74	0,80									
M612	9,2	12,5	380	20,2	2846	79	83	82	0,68	0,79	0,85	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40		751	60
			400	19,9	2864	78	82	81	0,66	0,77	0,83									
			415	19,9	2886	77	81	80	0,64	0,75	0,81									
M615	11	15	380	23,7	2849	80	84,5	83,5	0,69	0,79	0,85	4G x 4 mm²	2X (4G x 4 mm²)	1,90	5,90	2,00	3,50		811	65
			400	23,4	2867	79	83,5	82,5	0,67	0,77	0,83									
			415	23,4	2882	78	82,5	81,5	0,65	0,75	0,81									
M617	13	17,5	380	27,7	2851	80	84,5	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,80	6,00	2,00	3,60		841	70
			400	27,3	2870	80	83,5	83	0,67	0,77	0,83									
			415	27,3	2887	79	82,5	82	0,65	0,75	0,81									
M620	15	20	380	32	2852	82	85	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		931	75
			400	31,5	2871	81	84	83	0,67	0,77	0,83									
			415	31,5	2883	80	83	82	0,65	0,75	0,81									
M625	18,5	25	380	38,9	2854	82	85,5	85	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,60	1,90	3,40		991	83
			400	38,3	2873	81	84,5	84	0,67	0,77	0,83									
			415	38,6	2889	80	83	82,5	0,65	0,75	0,81									
M630	22	30	380	45,8	2857	82,5	85,5	85	0,70	0,80	0,86	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		1071	92
			400	45,1	2877	81,5	84,5	84	0,68	0,78	0,84									
			415	45,3	2890	80	83	82,5	0,66	0,76	0,82									
M635	26	35	380	53,8	2867	82,5	86	85,5	0,71	0,81	0,86	4G x 10 mm²	2x (4G x 6 mm²)	1,70	5,70	1,90	3,40	2500	1181	100
			400	52,9	2878	81,5	85	84,5	0,69	0,79	0,84									
			415	53,2	2891	80	83,5	83,0	0,67	0,77	0,82									
M640	30	40	380	62,1	2861	82,5	86,0	85,5	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,70	5,60	1,90	3,40		1251	108
			400	61,1	2880	81,5	85,0	84,5	0,70	0,79	0,84									
			415	61,4	2892	80	83,5	83	0,68	0,77	0,82									
M650	37	50	380	77	2863	83	86,5	85	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,60	5,60	1,90	3,40		1341	118
			400	75,8	2882	82	85,5	84	0,70	0,79	0,84									
			415	76,2	2891	80,5	84	82,5	0,68	0,77	0,82									

*Lunghezza cavo standard - *Standard cable lenght (m):* **3 m** up to 18,5 kW (25HP) **5 m** from 22 kW (30HP) to 37 kW (50HP)



Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 50°C**
Massimo 15 avviamenti/ora Max 15 start/hour Maximum 15 départs/heure Máximo 15 arranques/hora	**Max 15**
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

metro MADE IN ITALY

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6" HEAVY DUTY 60 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

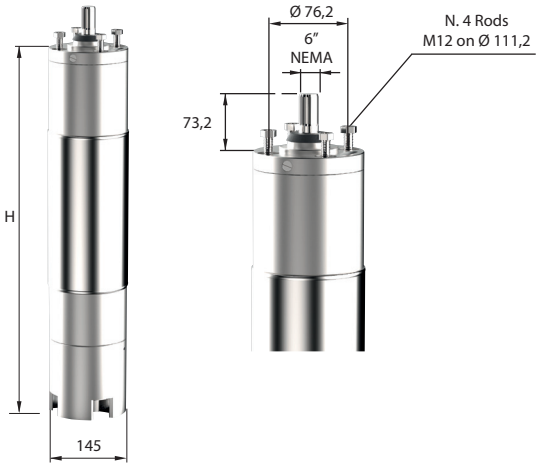
Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

DATI TECNICI - TECHNICAL DATA

60 Hz n= 3450 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	460 V ± 5%	460 / 800 V	Cs/ Cn	Is/In	Is/In	Is/In			
M607	5,5	7,5	230	21,3	3427	77	82	81	0,67	0,78	0,83	4G x 4 mm²	2 x (4G x 4 mm²)	1,60	5,60	1,90	3,40	1600	671	45
			400	12,3	3435	76	81	80	0,65	0,76	0,81									
			460	10,7	3441	75	80	79	0,63	0,74	0,79									
M610	7,5	10	230	28,2	3428	78	82,5	82	0,68	0,78	0,84	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40		701	55
			400	16,3	3435	77	81,5	81	0,66	0,76	0,82									
			460	14,3	3439	76	80,5	80	0,64	0,74	0,80									
M612	9,2	12,5	230	34,4	3431	79	83	82	0,68	0,79	0,85	4G x 4 mm²	2 x (4G x 4 mm²)	1,80	5,70	1,90	3,40		751	60
			400	19,9	3437	78	82	81	0,66	0,77	0,83									
			460	17,3	3443	77	81	80	0,64	0,75	0,81									
M615	11	15	230	40,5	3431	80	84,5	83,5	0,69	0,79	0,85	4G x 4 mm²	2X (4G x 4 mm²)	1,90	5,90	2,00	3,50		811	65
			400	23,4	3439	79	83,5	82,5	0,67	0,77	0,83									
			460	20,3	3446	78	82,5	81,5	0,65	0,75	0,81									
M617	13	17,5	230	47,2	3435	80	84,5	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,80	6,00	2,00	3,60		841	70
			400	27,3	3440	80	83,5	83	0,67	0,77	0,83									
			460	23,7	3446	79	82,5	82	0,65	0,75	0,81									
M620	15	20	230	55	3435	82	85	84	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		931	75
			400	31,5	3440	81	84	83	0,67	0,77	0,83									
			460	27,4	3446	80	83	82	0,65	0,75	0,81									
M625	18,5	25	230	66,2	3440	82	85,5	85	0,69	0,79	0,85	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,60	1,90	3,40		991	83
			400	38,3	3446	81	84,5	84	0,67	0,77	0,83									
			460	33,3	3449	80	83	82,5	0,65	0,75	0,81									
M630	22	30	230	78	3437	82,5	85,5	85	0,70	0,80	0,86	4G x 6 mm²	2 x (4G x 4 mm²)	1,70	5,90	2,00	3,50		1071	92
			400	45,1	3448	81,5	84,5	84	0,68	0,78	0,84									
			460	39,2	3453	80	83	82,5	0,66	0,76	0,82									
M635	26	35	230	91,5	3440	82,5	86	85,5	0,71	0,81	0,86	4G x 10 mm²	2x (4G x 6 mm²)	1,70	5,70	1,90	3,40	2500	1181	100
			400	52,9	3449	81,5	85	84,5	0,69	0,79	0,84									
			460	46	3457	80	83,5	83,0	0,67	0,77	0,82									
M640	30	40	230	106	3446	82,5	86,0	85,5	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,70	5,60	1,90	3,40		1251	108
			400	61,1	3453	81,5	85,0	84,5	0,70	0,79	0,84									
			460	53,2	3460	80	83,5	83	0,68	0,77	0,82									
M650	37	50	230	131	3451	83	86,5	85	0,72	0,81	0,86	4G x 10 mm²	2 x (4G x 6 mm²)	1,60	5,60	1,90	3,40		1341	118
			400	75,8	3457	82	85,5	84	0,70	0,79	0,84									
			460	66	3464	80,5	84	82,5	0,68	0,77	0,82									

*Lunghezza cavo standard - *Standard cable lenght (m):* **3 m** up to 18,5 kW (25HP) **5 m** from 22 kW (30HP) to 37 kW (50HP)



Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario

Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 50°C**
Massimo 15 avviamenti/ora Max 15 start/hour Maximum 15 départs/heure Máximo 15 arranques/hora	**Max 15**
Fattore di servizio Service factor Facteur de service Factor de servicio	**60 Hz= 1,15**

metro MADE IN ITALY

www.metropumps-italy.com

8" HEAVY DUTY 50 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

DATI TECNICI - TECHNICAL DATA

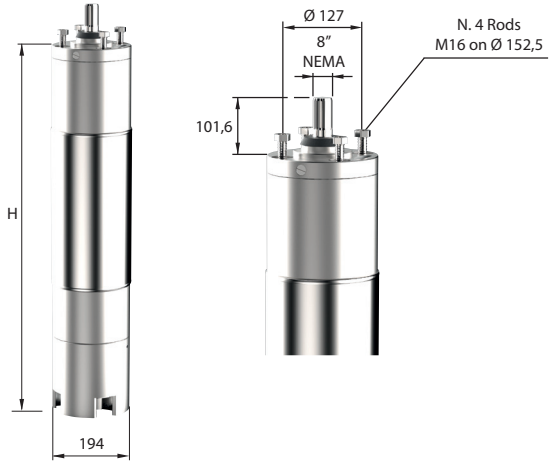
Ampere 230 V Three phase = Ampere V 400 x 1,73

50 Hz n= 2900 min

Type Motor	POWER		Volt	A	RPM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HP				50	75	100	50	75	100	400 V ± 5%	400 / 690 V	Cs/ Cn	Is/In	Is/In	Is/In			
M840	30	40	380	64,4	2859	79,8	85,2	84,3	0,77	0,81	0,84	3 X 1 x 10 mm²	6 X 1 x 10 mm²	2,05	6,40	2,10	3,80	4500	993	150
			400	61,7	2875	80,1	85	84,7	0,76	0,80	0,83									
			415	60	2892	79,3	84,5	85	0,75	0,79	0,82									
M850	37	50	380	75,4	2865	80,3	85,7	84,8	0,79	0,83	0,88	3 X 1 x 10 mm²	6 X 1 x 10 mm²	1,95	5,70	2	3,70		1043	160
			400	73	2888	80,6	85,5	85,2	0,77	0,81	0,86									
			415	71,8	2904	79,8	85	85,5	0,75	0,79	0,84									
M860	44	60	380	90,2	2882	80,8	86,2	85,3	0,76	0,86	0,87	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,95	5,80	2	3,70		1123	178
			400	86,3	2893	81,1	86	85,7	0,74	0,81	0,86									
			415	84,8	2905	80,3	85,5	86	0,72	0,79	0,84									
M875	55	75	380	110,2	2880	81,3	86,7	85,8	0,76	0,85	0,89	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,85	5,80	2	3,60		1233	200
			400	106,2	2889	81,6	86,5	86,2	0,74	0,81	0,87									
			415	105,4	2901	80,8	86	86,5	0,72	0,80	0,84									
M890	66	90	380	130,7	2881	82,4	87,5	86,8	0,76	0,86	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,85	5,80	2	3,50		1302	214
			400	126	2892	82,6	87,4	87,2	0,74	0,82	0,87									
			415	125,1	2905	81,9	86,9	87,5	0,72	0,79	0,84									
M8100	75	100	380	148,5	2882	82,3	87,7	86,8	0,75	0,85	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,80	2	3,50		1383	230
			400	143,2	2893	82,6	87,5	87,2	0,73	0,81	0,87									
			415	142,1	2905	81,8	87	87,5	0,71	0,77	0,84									
M8125	92	125	380	183,5	2880	83	86	85,7	0,75	0,84	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,70	1,90	3,50		1583	270
			400	175,1	2891	83,5	86,5	86,3	0,74	0,83	0,88									
			415	172,7	2903	83	86	86,3	0,72	0,81	0,86									
M8150	110	150	380	218,6	2885	85,5	86,5	86	0,74	0,83	0,89	3 X 1 x 35 mm²	6 X 1 x 25 mm²	1,80	5,70	1,90	3,50		1733	300
			400	211	2898	86,1	87	86,6	0,73	0,82	0,87									
			415	212,1	2908	85,5	86,5	86	0,72	0,81	0,84									

*Lunghezza cavo standard - *Standard cable lenght (m):* **5 m**

Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario



Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 50°C**
Massimo 10 avviamenti/ora Max 10 start/hour Maximum 10 départs/heure Máximo 10 arranques/hora	**Max 10**
Fattore di servizio Service factor Facteur de service Factor de servicio	**50 Hz= 1**

metro MADE IN ITALY

www.metropumps-italy.com

8" HEAVY DUTY 60 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors

Cs = Coppia di avviamento / Starting torque / Couple de démarrage / Par de arranque
Cn = Coppia nominale / Nominal torque / Nominal couple / Par naminal
Is = Corrente di avviamento / Starting current / Intensité du démarrage / Intensidad de arranque
In = Corrente nominale / Nominal current / Intensité nominale / Intensidad nominal

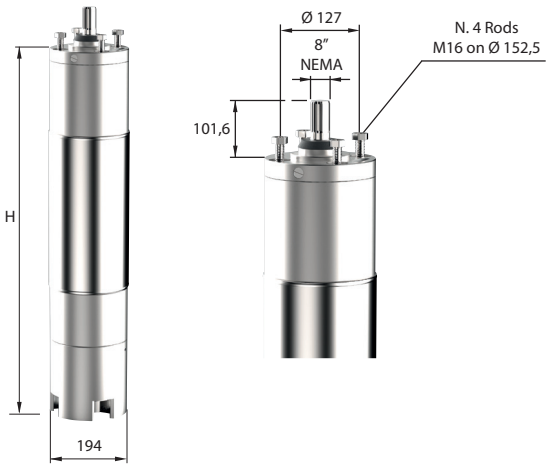
DATI TECNICI - TECHNICAL DATA

60 Hz n= 3450 min

TyMe Motor	MOWER		Volt	A	RMM	n (Efficency motor % at % load			Cos ϕ at % load			Direct starting	Star/Delta starting	Direct starting		Starting Star/ Delta	Starting statoric	Axial load daN	H (mm)	Weight (kg)
	Kw	HM				50	75	100	50	75	100	460 V ± 5%	460 / 800V	Cs/ Cn	Is/In	Is/In	Is/In			
M840	30	40	230	106	3436	79,8	85,2	84,3	0,77	0,81	0,84	3 X 1 x 10 mm²	6 X 1 x 10 mm²	2,05	6,40	2,10	3,80	4500	993	150
			400	61,7	3445	80,1	85	84,7	0,76	0,80	0,83									
			460	54	3456	79,3	84,5	85	0,75	0,79	0,82									
M850	37	50	230	126	3439	80,3	85,7	84,8	0,79	0,83	0,88	3 X 1 x 10 mm²	6 X 1 x 10 mm²	1,95	5,70	2	3,70		1043	160
			400	73	3449	80,6	85,5	85,2	0,77	0,81	0,86									
			460	63,5	3457	79,8	85	85,5	0,75	0,79	0,84									
M860	44	60	230	149	3457	80,8	86,2	85,3	0,76	0,86	0,87	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,95	5,80	2	3,70		1123	178
			400	86,3	3462	81,1	86	85,7	0,74	0,81	0,86									
			460	75,1	3469	80,3	85,5	86	0,72	0,79	0,84									
M875	55	75	230	184	3461	81,3	86,7	85,8	0,76	0,85	0,89	3 X 1 x 16 mm²	6 X 1 x 10 mm²	1,85	5,80	2	3,60		1233	200
			400	106,2	3468	81,6	86,5	86,2	0,74	0,81	0,87									
			460	92,2	3472	80,8	86	86,5	0,72	0,80	0,84									
M890	66	90	230	218,1	3463	82,4	87,5	86,8	0,76	0,86	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,85	5,80	2	3,50		1302	214
			400	126	3469	82,6	87,4	87,2	0,74	0,82	0,87									
			460	109,6	3473	81,9	86,9	87,5	0,72	0,79	0,84									
M8100	75	100	230	247,7	3462	82,3	87,7	86,8	0,75	0,85	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,80	2	3,50		1383	230
			400	143,2	3470	82,6	87,5	87,2	0,73	0,81	0,87									
			460	124,6	3476	81,8	87	87,5	0,71	0,77	0,84									
M8125	92	125	230	302,9	3465	83	86	85,7	0,75	0,84	0,89	3 X 1 x 25 mm²	6 X 1 x 16 mm²	1,80	5,70	1,90	3,50		1583	270
			400	175,1	3472	83,5	86,5	86,3	0,74	0,83	0,88									
			460	152,3	3478	83	86	86,3	0,72	0,81	0,86									
M8150	110	150	230	366,1	3467	85,5	86,5	86	0,74	0,83	0,89	3 X 1 x 35 mm²	6 X 1 x 25 mm²	1,80	5,70	1,90	3,50		1733	300
			400	211	3473	86,1	87	86,6	0,73	0,82	0,87									
			460	183,6	3478	85,5	86,5	86	0,72	0,81	0,84									

*Lunghezza cavo standard - *Standard cable lenght (m):* **5 m**

Senso di rotazione (visto dal lato sporgenza albero): antiorario
Direction of rotation (view from shaft projection side): anti-clockwise
Sens de rotation (vu du côté de l'extension de l'arbre) : anti-horaire
Sentido de giro (visto desde el lado de prolongación del eje): antihorario



Temperatura massima dell'acqua Max water temperature Température maximale de l'eau Temperatura máxima del agua	**Max 50°C**
Massimo 10 avviamenti/ora Max 10 start/hour Maximum 10 départs/heure Máximo 10 arranques/hora	**Max 10**
Fattore di servizio Service factor Facteur de service Factor de servicio	**60 Hz= 1,15**

www.metropumps-italy.com

6"-8" HEAVY DUTY 50/60 Hz

Motori sommersi - riavvolgibili - a bagno d'acqua
Rewindable - water filled - submersible motors
Moteurs immergés - rebobinables - à bain d'eau
Motores sumergidos - rebobinables - en baño de agua



CARATTERISTICHE DEI MOTORI SOMMERSI - 6"/8" - 2 POLI 50/60 Hz
Protezione: IP 68
Versione Standard con supporti motore in ghisa G25
Disponibile su richiesta anche in AISI 304, AISI 316, DUPLEX
Su richiesta, è possibile personalizzare la lunghezza del cavo

SUBMERSIBLE MOTORS FEATURES - 6"/8" - 2 POLES 50/60 Hz
Protection: IP 68
Standard version in G25 cast iron motor supports
Also available on request in AISI 304, AISI 316, DUPLEX
Cable length can be customized upon request

CARACTERISTIQUES DES MOTEURS IMMERGES - 6"/8" - 2 POLES 50/60 Hz
Protection: IP 68
Version standard avec supports de moteur en fonte G25
Disponible sur demande aussi en AISI 304 , AISI 316, DUPLEX
Possibilité de personnaliser la longueur du câble

CARACTERÍSTICAS DE LOS MOTORES SUBMERGIBLES - 6"/8" - 2 POLOS 50/60 Hz
Protección: IP 68
Versión estándar con soportes de motor en hierro fundido G25
Disponible sobre demande tambien en AISI 304, AISI 316, DUPLEX
Largo del cable personalisable bajo pedido
Sensor de temperatura PT100 disponible bajo pedido

NOTES

NOTES

INFO

50/60 Hz

Pompe e motori sommersi
Submersible pumps and motors
Pompes et moteurs submersibles
Bombas y motores sumergibles

Note tecniche - Informazioni - Quadri elettrici
Technical notes - Informations - Control boxes
Notes techniques - Information - Panneau électrique
Notas técnicas - Información - Paneles eléctricos

- Clean
- Civil
- Industry
- Fire
- Agriculture



metro

MADE IN ITALY

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CAVI ELETTRICI Lunghezza massima in metri
ELECTRIC CABLES Maximum lenght in meters
CABLES ELECTRIQUES Longueur maximale en meters
CABLES ELÉCTRICOS Longitud máxima en metros

V 230 3 FASE - 3 PHASES		AVVIAMENTO STELLA TRIANGOLO - STAR DELTA STARTING - DEMMARAGE ETOILE TRIANGLE																	
MOTORE MOTOR - MOTEUR		2 CAVI 2 CABLES 3 x ... mm2									6 CAVI 6 CABLES 1 x ... mm2								
kW	HP	1	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
		Lunghezza max - Max lenght - Longeur max ... m																	
3,7	5		54	90	143	216	361												
5,5	7,5		35	59	93	141	236	378											
7,5	10			45	71	107	180	288	443										
9,2	12,5			36	58	87	143	228	357										
11	15				49	74	124	198	310	434									
13	17,5					64	106	169	265	371									
15	20					55	91	145	227	318	410								
18,5	25					45*	75	121	189	264	329								
22	30						60*	95	149	209	275	386							
26	35							83	130	182	244	342	465						
30	40							73*	114	159	212	297	403						
37	50								88	123	166	232	315	398					
45	60								71	100	137	192	261	329	398				
55	75									79	113	158	216	272	341				
66	90									64	95	133	180	228	285	351			
75	100										81	113	164	194	242	301	390		

V 400 3 FASE - 3 PHASES		AVVIAMENTO STELLA TRIANGOLO - STAR DELTA STARTING - DEMMARAGE ETOILE TRIANGLE																	
MOTORE MOTOR - MOTEUR		2 CAVI 2 CABLES 3 x ... mm2									6 CAVI 6 CABLES 1 x ... mm2								
kW	HP	1	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
		Lunghezza max - Max lenght - Longeur max ... m																	
9,2	12,5		64	107	173	260	433												
11	15		56	93	149	226	377												
13	17,5			79	127	191	318	509											
15	20			70	112	166	276	442											
18,5	25			57	91	137	227	365											
22	30				71	107	178	284	445										
26	35					94	156	250	392										
30	40					78	130	208	325	455									
37	50					83*	105	168	283	371	495								
45	60						87*	138	217	304	412								
55	75							108*	171	239	341								
66	90								138	193	285	400							
75	100								117	164	242	339	460						
90	125									128	189	264	359	453					
110	150										166	233	315	398					
132	180										136*	190	258	325	406				
147	200											176	239	300	376				
170	230												210	263	330	407			
191	260												187	234	294	362			
220	300													202	254	312	406		
250	340													180*	228	278	361	451	

V 230 1 FASE - 1 PHASES																			
MOTORE MOTOR - MOTEUR		1 CAVO 1 CABLE 3 x ... mm2																	
kW	HP	1	1,5	2,5	4	6	10	16	25										
		Lunghezza max - Max lenght - Longeur max ... m																	
0,25	0,33	113	169	282															
0,37	0,5	85	128	214	342														
0,55	0,75	60	90	150	240	360													
0,73	1	48	72	120	192	288													
1,1	1,5	27	40	67	104	162	270												
1,5	2	20	30	50	80	120	200												
2,2	3	-	-	30	48	72	120	246											

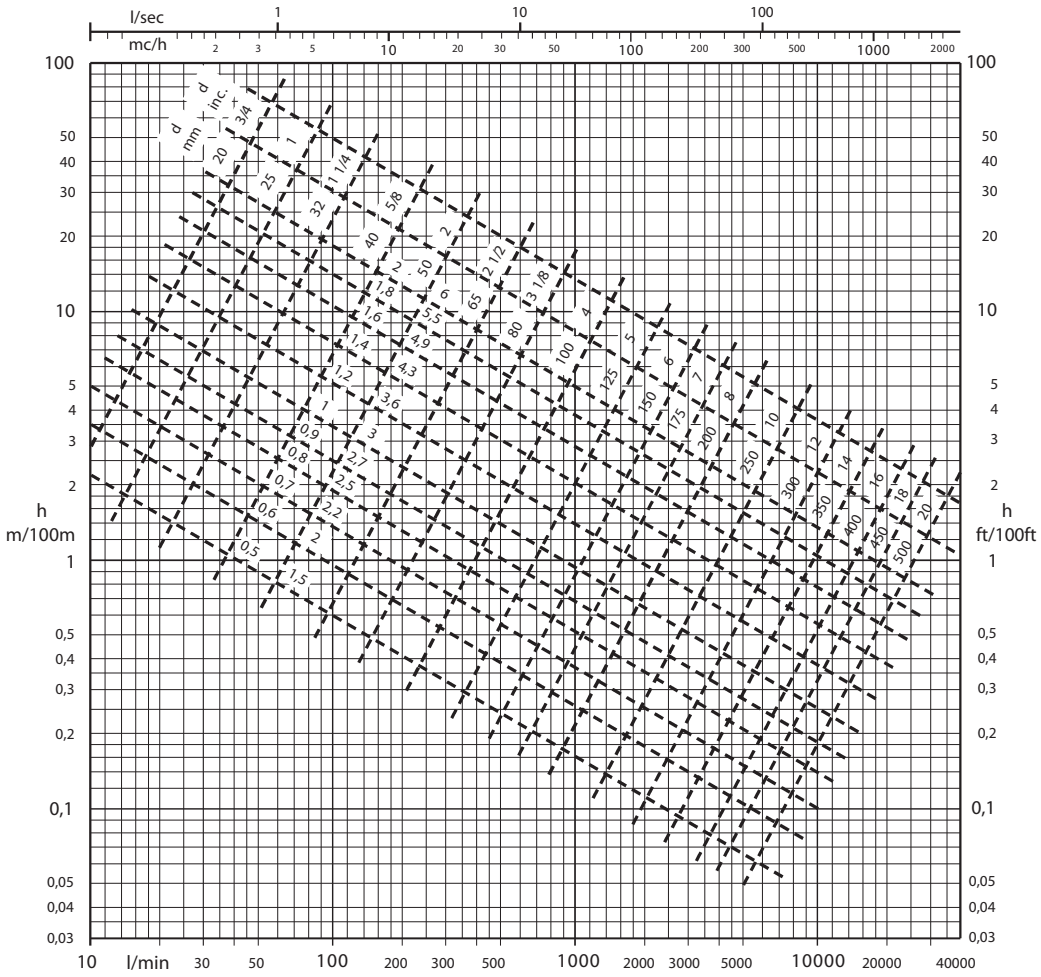
Nota: (*) solo per cavo in neoprene - (*) for neoprene cable only - (*) suelement puor cavle en neoprene - (*) solo para cable en neopreno. Le tabelle sono riferite ad acqua a 30°C. Se la temperatura è superiore, interpellate il nostro ufficio tecnico - Tables are referred to water 30°C. If temperature is higher please apply our technical departement. - Las tablas se refieren con la temperatura del agua a 30°C. Si la temperatura es superior contactar con nuestro departamento técnico. Les tableaux sont réferés à l'eau 30°C. Si la température est supérieure contacter notre bureau technique. Per tensione 415 V la lunghezza dei cavi indicata nelle tabelle a 380 V può essere aumentata del 10%. For 415 V the cables lenght shown in the 380 tables can be increased by 10% - Pour tension 415 V la longueur des cables indiquée dans les tableaux ° 380 peut etre augmentée du 10%. Para tension 415 V la longitud de los cables indicada en la tabla de 380 tlene que ser aumentada un 10%.

CAVI ELETTRICI Lunghezza massima in metri
ELECTRIC CABLES Maximum lenght in meters
CABLES ELECTRIQUES Longueur maximale en meters
CABLES ELÉCTRICOS Longitud máxima en metros

V 230 3 FASE - 3 PHASES		AVVIAMENTO DIRETTO o STATORICO - DIRECT or STATORIC STARTING - DEMARRAGE DIRECT ou STATORIQUE																	
MOTORE MOTOR - MOTEUR		1 CAVO 1 CABLES 3 x ... mm2									3 CAVI 3 CABLES 1 x ... mm2								
kW	HP	1	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
		Lunghezza max - Max lenght - Longeur max ... m																	
0,37	0,5	185	273																
0,55	0,75	127	191	319															
0,73	1	92	138	230	368														
1,1	1,5	67	100	167	268	402													
1,5	2	51	77	128	204	306													
2,2	3	35	53	89	142	213	356												
3	4		39	65	104	156	260	416											
3,7	5		35	58	92	139	232	371											
4	5,5			46	73	110	184	294	460										
5,5	7,5			38	60	91	152	243	380										
7,5	10				48	69	116	184	290	406									
9,2	12,5					56	92	148	231	323	420								
11	15						80	127	201	282	344								
13	17,5						68	110	171	239	295	413							
15	20						59*	95	149	208	257	360							
18,5	25							78	121	170	206	288							
22	30							61*	96	134	172	241	327						
26	35								84*	117	152	214	290	366					
30	40									102	132	185	251	318	397				
37	50										103	144	195	247	309	381			
45	60										84*	120	162	206	257	317	410		

V 400 3 FASE - 3 PHASES		AVVIAMENTO DIRETTO o STATORICO - DIRECT or STATORIC STARTING - DEMARRAGE DIRECT ou STATORIQUE																	
MOTORE MOTOR - MOTEUR		1 CAVO 1 CABLE 3 x ... mm2									3 CAVI 3 CABLES 1 x ... mm2								
kW	HP	1	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
		Lunghezza max - Max lenght - Longeur max ... m																	
0,37	0,5	557																	
0,55	0,75	383																	
0,73	1	277	416																
1,1	1,5	201	302																
1,5	2	154	230	384															
2,2	3	107	160	267	427														
3	4	78	117	195	312	468													
3,7	5	70	105	175	280	420													
4	5,5	58	84	140	224	336													
5,5	7,5	46	69	115	184	276	460												
7,5	10		52	87	139	208	348												
9,2	12,5			69	111	167	278	445											
11	15				96	145	242	387											
13	17,5				82	123	206	330	515										
15	20				72*	107	179	287	449										
18,5	25					88	146	234	366										
22	30					69*	115	184	287	400									
26	35						94*	151	235	330									
30	40							134	210	288	386								
37	50							107*	169	238	309	432							
45	60								140	196	258	362							
55	75								108*	152	213	298	404						
66	90									135*	178	249	338	426					
75	100										151*	211	286	362					
90	125											165	224	283	354	437			
110	150											142*	182	243	304	375			
132	180												157*	198	247	305	295		
147	200													174	228	281	364		
170	230														200	246	319	398	
191	260															220	285	358	
220	300																248	307	408
250	340																219	274	365

PERDITE DI CARICO IN M OGNI 100 METRI DI TUBAZIONE DIRITTA
FRICTION LOSSES IN METERS EVERY 100 METERS OF STRAIGHT PIPELINE
PERTES DE CHARGE EN METRES POUR 100 METERS DU TUYAUTERIE DROITE
PÉRDIDAS DE CARGA POR CADA 100 METROS DE TUBERIA RÍGIDA



NOTE
I valori sopra indicati si intendono per tubi internamente lisci in ghisa.
Per una valutazione di massima, le perdite di carico devono essere moltiplicate per:

0,8 per tubi di acciaio laminati nuovi
1,25 per tubi di acciaio leggermente arruginiti
0,7 per tubi di alluminio
0,65 per tubi in PVC
1,25 per tubi in fibra-cemento
Q = Portata in litro minuto
V = Velocità dell'acqua in metri al secondo
d = diametro del tubo in mm
h = perdita di carico in metri di colonna d'acqua

NOTES
Les valeurs doivent s'entendre pour tuyaux en fonte, lisses à l'interieur.
Pour une évaluation approximative, les pertes de charge doivent etre multipliées par:

0,8 pour tuyaux laminés nouveaux en acier
1,25 pour tuyaux légèrement rouillés en acier
0,7 pour tuyaux en aluminium
0,65 pour tuyaux en PVC
1,25 pour tuyaux fibro-ciment
Q = débit en litres minute
V = vitesse de l'eau en mètres seconde
d = diamètre interieur du tuyau en mm
h = perte de charge en mètres de colonne d'eau

NOTES
Above mentioned values are to be intended for internally smooth cast iron pipes.
For an approximative evaluation, friction losses must be multiplied for:

0,8 for new rolled steel pipes
1,25 for slightly rusted steel pipes
0,7 for aluminium pipes
0,65 for PVC pipes
1,25 for asbestos cement pipes
Q = capacity, liters per minute
V = velocity of water, meters per second d = diameter od pipe, mm
h = friction loss, feet of water column

NOTAS
Los valores son indicativos, se entiende para tuberia fundición, lisas en el interior.
Para una utilización adecuada, las pérdidas de carga deben ser multiplicadas por:

0,8 para tuberia de acero nueva
1,25 para tuberia de acero ligeramente arrugada
0,7 para tuberia de aluminio
0,65 para tuberia en PVC
1,25 para tuberia en fibro-cimento
Q = Caudal litros minuto
V = Velocidad el agua en metros por segundo.
d = Diámetro interior del tubo en mm
h =Pérdidas de carga en metros de columna de agua

PERDITE DI CARICO IN CM DI COLONNA D'ACQUA
PRESSURE LOSSES IN CM OF WATER COLUMN
PERTES DE CHARGE EN CM DE COLONNE D'EAU
PÉRDIDAS DE CARGA EN CM DE COLUMNA DE AGUA

PERDITE DI CARICO IN CM DI COLONNA D'ACQUA
CHARGE LOSSES IN CM OF WATER COLUMN
PERTES DE CHARGE EN CM DE COLONNE D'EAU

Velocità dell'acqua in m/s Warer speed in m/s - Vitesse eau in m/s	CURVE AD ANGOLO VIVO OBTUSE ANGLE CURVES CURVES ANGLE OBTUS					CURVE NORMALI NORMAL CURVES CURVES NORMALES					Saracinesche normali Normal sluice gates - Vannes normales	Valvole di fondo Foot valve - Clapets de pied	Valvole di ritegno Non return valve - Clapets de retour	Perdite di energia all'uscita dei tubi di scarico V2/2G Energy losses at the exit of discharge pipes V2//2G Perte energie a la sortie tubes de chargement
	a = 30°	a = 40°	a = 60°	a = 80°	a = 90°	d = 0,4 R	d = 0,6 R	d = 0,8 R	d = 1 R	d = 1,5 R				
0,1	0,03	0,04	0,05	0,07	0,08	0,007	0,008	0,01	0,0155	0,027	0,03	30	30	0,05
0,15	0,06	0,73	0,1	0,14	0,17	0,016	0,019	0,024	0,033	0,06	0,033	31	31	0,12
0,2	0,11	0,13	0,18	0,26	0,31	0,028	0,033	0,04	0,058	0,11	0,058	31	31	0,21
0,25	0,17	0,21	0,28	0,4	0,48	0,044	0,052	0,063	0,091	0,17	0,09	31	31	0,32
0,3	0,25	0,3	0,41	0,6	0,7	0,063	0,074	0,09	0,13	0,25	0,13	31	31	0,46
0,35	0,33	0,4	0,54	0,8	0,93	0,085	0,1	0,12	0,18	0,33	0,18	31	31	0,62
0,4	0,43	0,52	0,71	1	1,2	0,11	0,13	0,16	0,23	0,43	0,23	32	31	0,82
0,5	0,67	0,91	1,1	1,6	1,9	0,18	0,21	0,26	0,37	0,67	0,37	33	32	1,27
0,6	0,97	1,2	1,6	2,3	2,8	0,25	0,29	0,36	0,52	0,97	0,52	34	32	1,84
0,7	1,35	1,65	2,2	3,2	3,9	0,34	0,4	0,48	0,7	1,35	0,7	35	32	2,5
0,8	1,7	2,1	2,8	4	4,8	0,45	0,53	0,64	0,93	1,7	0,95	36	33	3,3
0,9	2,2	2,7	3,6	5,2	6,2	0,57	0,67	0,82	1,18	2,2	1,2	37	34	4,2
1	2,7	3,3	4,5	6,4	7,6	0,7	0,82	1	1,45	2,7	1,45	38	35	5,1
1,5	6	7,3	10	14	17	1,6	1,9	2,3	3,3	6	3,3	47	40	11,5
2	11	14	18	26	31	2,8	3,3	4	5,8	11	5,8	61	48	20,4
2,5	17	21	28	40	48	4,4	5,2	6,3	9,1	17	9,1	78	58	32
3	25	30	41	60	70	6,3	7,4	9	13	25	13	100	71	46
3,5	33	40	55	78	93	8,5	10	12	18	33	18	123	85	62
4	43	52	70	100	120	11	13	16	23	42	23	150	100	82
4,5	55	67	90	130	160	14	21	26	37	55	37	190	120	103
5	67	82	110	160	190	18	29	36	52	67	52	220	140	127

1) La perdita di carico nelle curve è soltanto dovuta alla contrazione dei filetti liquidi per cambiamento di direzione: lo sviluppo delle curve deve essere compreso nella lunghezza della tubazione.
2) La perdita di carico nelle valvole e saracinesche è stata determinata in base a prove pratiche.

1) The pressure losses in the curves is only the one due to the reduction of the liquide threads for the changing of direction: the curves development has to be include in the length of the pipeline.

2) The pressure losses in the valves and sluice-gates has been calculated according to practical tests.

1) Le perte de charge dans les courbes est seulement due à la contraction des filets liquides pour le changement de direction: le devéloppement des courbes doit etre compris dans la longueur de la tuyauterie.

2) La perte de charge dans les clapets et les vannes a été determinée sur la base d'essais pratiques

1) La pérdida de carga en las curvas solamente se debe a la contracción de las redes líquidas para el cambio de dirección: el desarrollo de las curvas debe incluirse en la longitud de la tuberia.

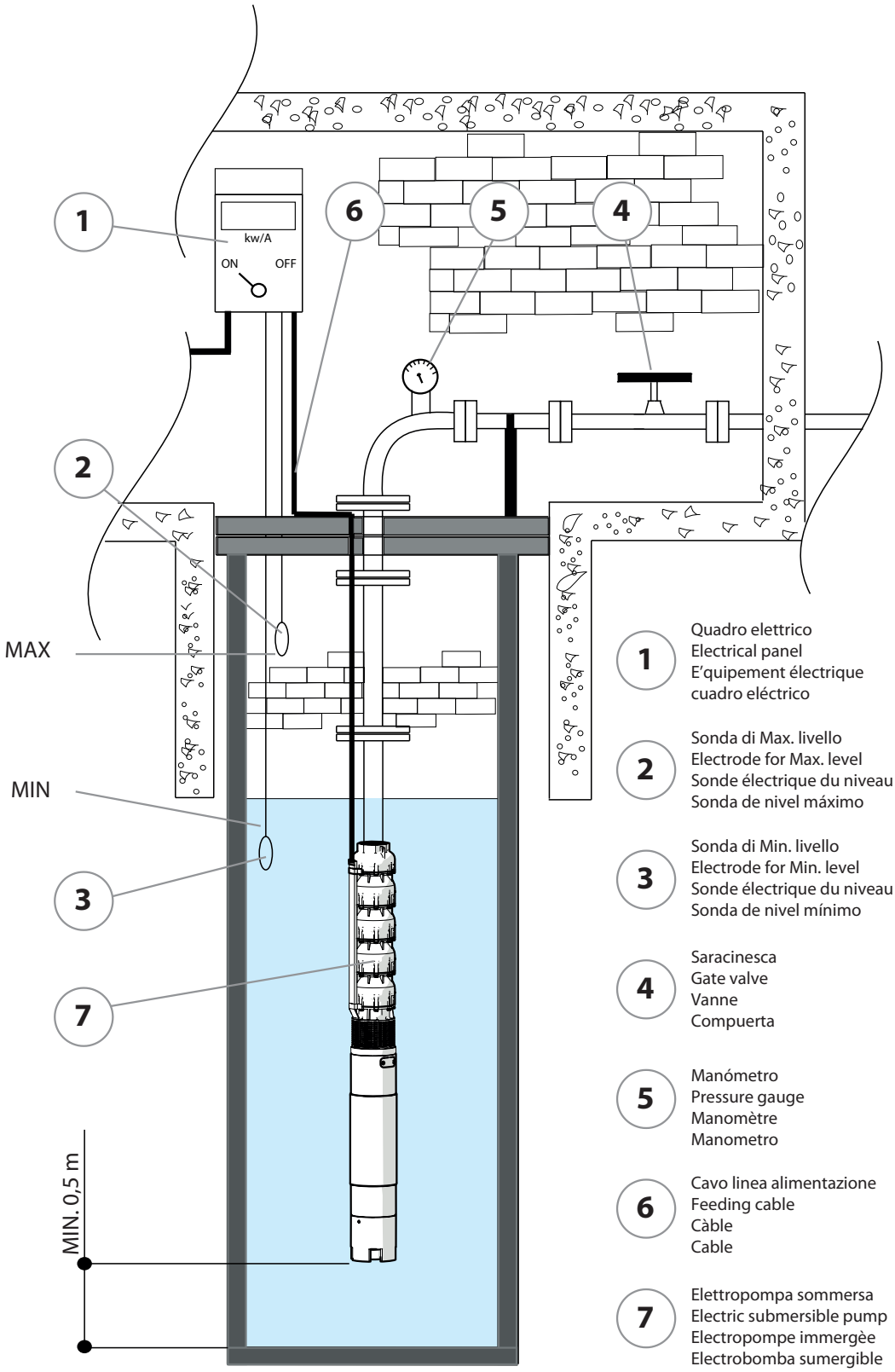
2) La pérdida de carga en las válvulas y en esclusas se determinó sobre banco pruebas.

RELAZIONI TRA LE PORTATE
RELATION BETWEEN CAPACITIES
RELATION ENTRE LES DEBITS
RELACIÓN ENTRE LOS CAUDALES

RELAZIONI TRA LE PORTATE
RELATION BETWEEN CAPACITIES
RELATION ENTRE LES DEBITS

l/s	l/min	m3/h	m3/h	l/s	l/min
1	60	3,6	1	0,277	16,66
2	120	7,2	2	0,555	33,33
3	180	10,8	3	0,833	50
4	240	14,4	4	1,111	66,66
5	300	18	5	1,138	83,33
6	360	21,6	6	1,666	100
7	420	25,2	7	1,944	116,66
8	480	28,8	8	2,222	133,33
9	540	32,4	9	2,5	150
10	600	36	10	2,777	166,66
12	720	43,2	12	3,333	200
14	840	50,4	14	3,888	233,33
16	960	57,6	16	4,444	266,66
18	1080	64,8	18	5	300
20	1200	72	20	5,555	333,33
25	1500	90	25	6,944	416,66
30	1800	108	30	8,333	500
35	2100	126	35	9,722	583,33
40	2400	144	40	11,111	666,66
45	2700	162	45	12,5	750
50	3000	180	50	13,888	833,33
55	3300	198	55	15,277	916,66
60	3600	216	60	16,666	1000
65	3900	234	65	18,055	1083,33
70	4200	252	70	19,444	1166,66
75	4500	270	75	20,833	1250
80	4800	288	80	20,222	1333,33
85	5100	306	85	23,611	1416,66
90	5400	324	90	25	1500
95	5700	342	95	26,388	1583,33
100	6000	360	100	27,777	1666,66
110	6600	396	110	30,555	1833,33
120	7200	432	120	33, 333	2000
130	7800	468	130	36,111	2166,66
140	8400	504	140	38,888	2333,33
150	9000	540	150	41,666	2500
160	9600	576	160	44,444	2666,66
170	10200	612	170	47,222	2833,33
180	10800	648	180	50	3000
190	11400	684	190	52,777	3166,66
200	12000	720	200	55,555	3333,33
250	15000	900	250	69,444	4166,66
300	18000	1080	300	83,333	5000
350	21000	1260	350	97,222	5833,33
400	24000	1440	400	111,111	6666,66
450	27000	1620	450	125	7500
500	30000	1800	500	138,888	8333,33
600	3600	2160	600	166,666	10000
700	42000	2520	700	194,444	11666,66
800	48000	2880	800	222,222	13333,33
900	54000	3240	900	250	15000
1000	60000	3600	1000	277,777	16666,66

ELETTROPOMPA SOMMERSA - SUBMERSIBLE PUMP
POMPE IMMERGÉES - BOMBA SUMERGIBLE



1 Quadro elettrico
Electrical panel
E'quipement électrique
cuadro eléctrico

2 Sonda di Max. livello
Electrode for Max. level
Sonde électrique du niveau maxi.
Sonda de nivel máximo

3 Sonda di Min. livello
Electrode for Min. level
Sonde électrique du niveau min.
Sonda de nivel mínimo

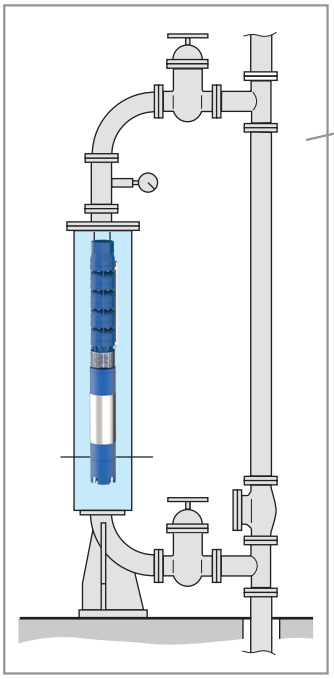
4 Saracinesca
Gate valve
Vanne
Compuerta

5 Manómetro
Pressure gauge
Manomètre
Manometro

6 Cavo linea alimentazione
Feeding cable
Càble
Cable

7 Elettropompa sommersa
Electric submersible pump
Electropompe immergèe
Electrobomba sumergible

ESEMPI DI INSTALLAZIONE - INSTALLATION EXAMPLE
EXEMPLES D'INSTALLATION - EJEMPLOS DE INSTALACION



A

Mantello premente verticale
in serie

Vertical delivery shell
in series

Descarga vertical
en serie

Jupe de refoulement vertical
en serie

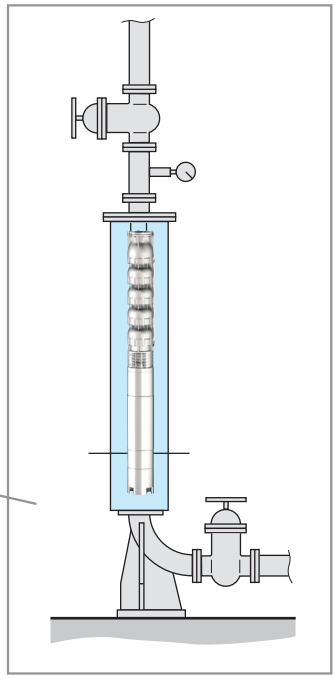
Mantello premente verticale
con by-pass

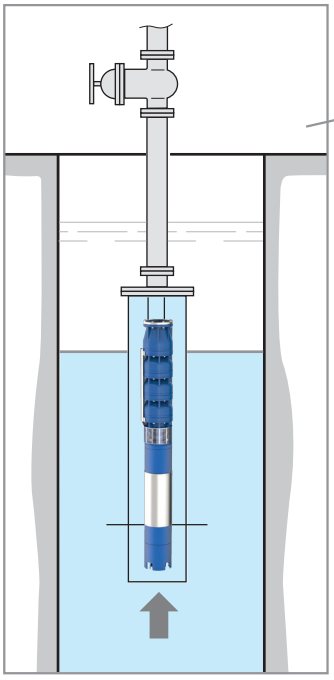
Vertical delivery shell
with by-pass

Descarga vertical
con by-pass

Jupe de refoulement vertical
avec by-pass

B





C

Mantello aspirante verticale
senza valvola di fondo

Vertical suction shell
without foot valve

Aspiración vertical
sin válvula de pie

Jupe de aspiration vertical
sans clapet de pied

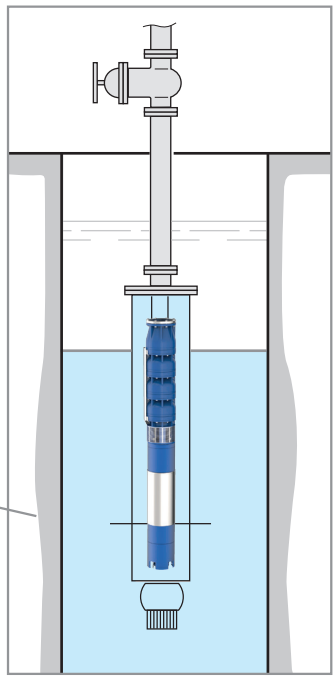
Mantello aspirante verticale
con valvola di fondo

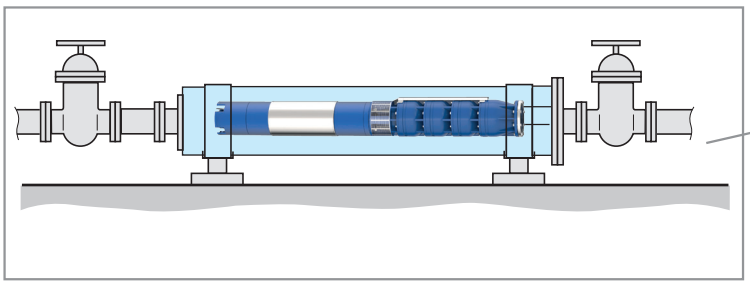
Vertical suction shell
with foot valve

Aspiración vertical
con válvula de pie

Jupe de aspiration vertical
avec clapet de pied

D





E

Mantello premente orizzontale
in serie

Horizontal delivery shell
in series

Descarga horizontal
en serie

Jupe de refoulement horizontal
en serie

Per ulteriori informazioni contattare il nostro servizio clienti
For further information contact our customer service

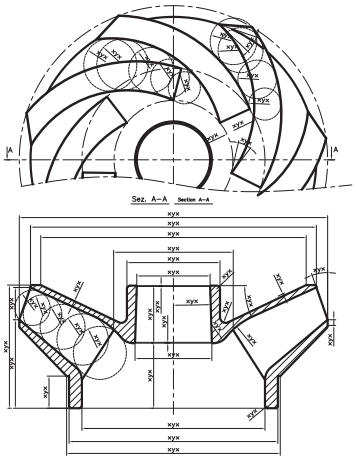
Pour plus d'informations, contactez notre service client
Para más información contacte con nuestro servicio al cliente

GRANDEZZA VALUE	Corrente alternata - Alternating current	
	MONOFASE SINGLE FASE	**TRIFASE** THREE FASE
Fattore di potenza (cos ϕ) Power factor (cos ϕ) (< 1) Factor de potencia (cos ϕ)	$\cos \phi = \frac{Pa * 1000}{V * I}$	$\cos \phi = \frac{Pa * 1000}{1{,}73 * V * I}$
Potenza resa Delivered power (kW) Potencia efectiva	$Pr = \frac{V * I * \cos \phi * nM}{1000}$	$Pr = \frac{1{,}73 * V * I * \cos \phi * nm}{1000}$
Potenza assorbita Absorbed power (kW) Potencia absorbida	$PA = \frac{V * I * \cos \phi}{1000}$	$PA = \frac{1{,}73 * V * I * \cos \phi}{1000}$
Corrente assorbita Absorbed current (kW) Corriente absorbida	$I = \frac{Pr * 1000}{V * \cos \phi * m}$	$I = \frac{Pr * 1000}{1{,}73 * V * \cos \phi * nm}$
Rendimento motore Motor efficiency (%) Rendimiento motor	$m = \frac{Pr}{Pa} * 100$	
Coppia nominale Nominal torque (kgm) Par nominal	$Mn = \frac{Pr * 1000}{1{,}027 * n}$	

ITER PROGETTUALE
PROJECT PROCESS

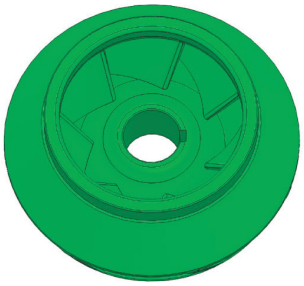
1ª FASE - 1st PHASE

STUDIO 2D
2D PROJECT



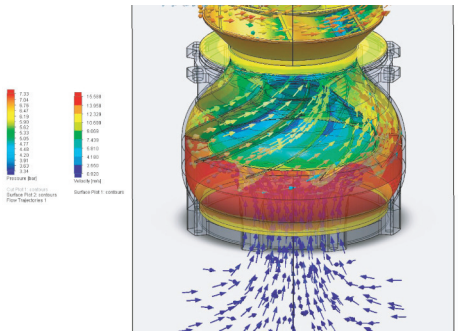
2ª FASE - 2nd PHASE

ELABORAZIONE 3D
3D PROCESSING



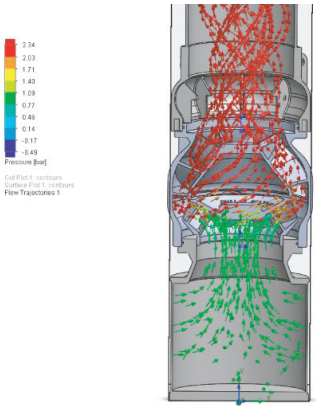
3ª FASE - 3rd PHASE

ELABORAZIONE 3D
3D PROCESSING



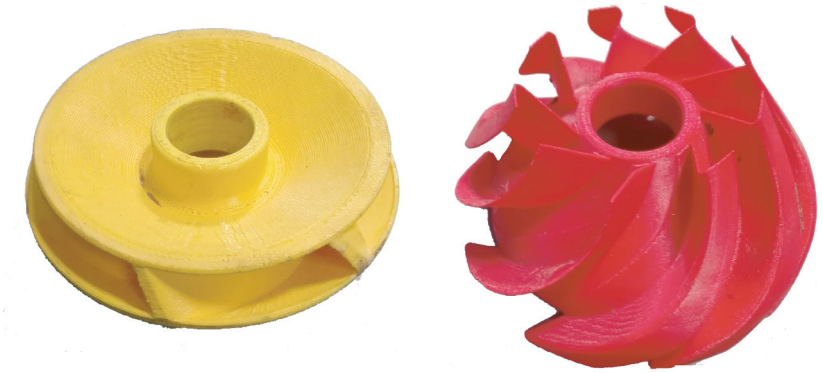
3ª FASE - 3rd PHASE

FLUIDODINAMICA COMPUTERIZZATA
COMPUTATIONAL FLUIDYNAMICS (CFD)



4ª FASE - 4th PHASE

SVILUPPO PROTOTIPO 3D IN ABS
3D PROTOTYPE DEVELOPMENT IN ABS MATERIAL



5ª FASE - 5th PHASE

TEST DI COLLAUDO - APPROVAL TESTS

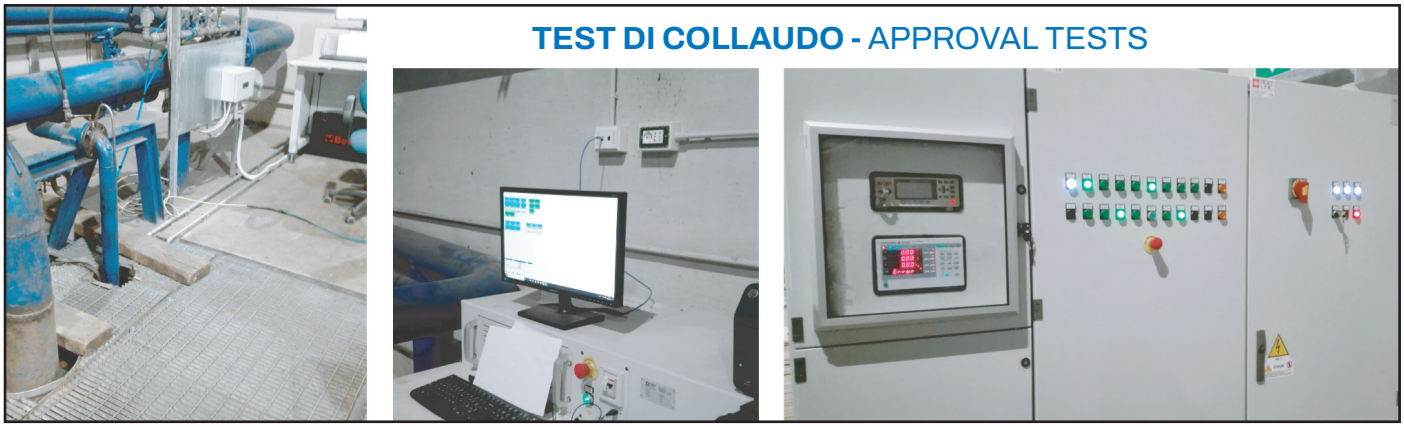


TABELLE CONVERSIONI
CONVERSION TABLE

TABELLA CONVERSIONI PORTATA
CONVERSION TABLE CAPACITY

l/sec	l/min	m³/h	US. gal/min
1	60	3,6	15,9
5	300	18	79,3
10	600	36	158,5
15	900	54	237,8
20	1200	72	317
25	1500	90	396,3
50	3000	180	792,5
75	4500	269,9	1188,8
100	6000	359,9	1585

TABELLA CONVERSIONI PORTATA
CONVERSION TABLE CAPACITY

m	Bar	Ft	kPa
1	1,02	3,3	9,8
5	5,10	16,4	49
10	10,20	32,8	98,1
15	15,30	49,2	147,1
20	20,39	65,6	196,1
25	25,49	82	245,2
50	50,99	164	490,3
75	76,48	246,1	735,5
100	101,97	328,1	980,6

TABELLA CONVERSIONI POTENZA ELETTRICA
CONVERSION TABLE ELECTRIC POWER

kW	Watt	HP	J/s
1	1000	1,3	1000
5	5000	6,7	5000
10	10000	13,4	10000
15	15000	20,1	15000
20	20000	26,8	20000
25	25000	33,5	25000
50	50000	67	50000
75	75000	100,5	75000
100	100000	134	100000

TABELLA CONVERSIONI VOLUME
CONVERSION TABLE VOLUME

m³	ft³	US. Gal	UK Gal.
1	35,3	264,2	220
5	176,6	1320,9	1099,8
10	353,1	2641,7	2199,7
15	529,7	3962,6	3299,5
20	706,3	5283,4	4399,4
25	882,9	6604,3	5499,2
50	1765,7	13208,6	10998,5
75	2648,6	19812,9	16497,7
100	3531,4	26417,2	21996,9

TABELLA CONVERSIONI LUNGHEZZA
CONVERSION TABLE LENGHT

m	mm	in	ft
1	1000	39,4	3,3
5	5000	196,9	16,4
10	10000	393,7	32,8
15	15000	590,6	49,2
20	20000	787,4	65,6
25	25000	984,3	82
50	50000	1968,5	164
75	75000	2952,8	246,1
100	100000	3937	328,1

TABELLA CONVERSIONI VELOCITA'
CONVERSION TABLE SPEED

km/h	m/sec	mi/h	ft/s
1	0,27	0,62	0,91
5	1,35	3,11	4,56
10	2,7	6,21	9,11
15	4,05	9,32	13,67
20	5,4	12,43	18,22
25	6,75	15,53	22,78
50	13,5	31,07	45,55
75	20,25	46,60	68,33
100	27	62,14	91,10

QUADRI ELETTRICI
CONTROL BOX

QUADRO ELETTRICO MONOFASE FINO A 3 HP
SINGLE PHASE CONTROL BOX UP TO 3HP

Potenze MOTOR POWER	Codice Code
0,55 kW/0,75 HP	Q.M. 0,75
0,75 kW/1 HP	Q.M.1 HP
1,1 kW/1,5 HP	Q.M.1,5 HP
1,5 kW/2 HP	Q.M.2 HP
2,2 kW/3 HP	Q.M.3 HP

COMPONENTI	COMPONENTS
Cassetta 190x140x70 mm	PLASTIC BOX 190X140X10 mm
Pressacavi	Cable holder
Condensatore	capacitor
Disgiuntore termico	Thermal protection
Interruttore luminoso	Lighted ON/OFF switch
Morsettiera	Terminal blocks



QUADRO ELETTRICO TRIFASE STANDARD CON RELÉ DI LIVELLO
THREE PHASE CONTROL BOX WITH LEVEL CONTROL

Potenze MOTOR POWER	Codice Code
1,1-1,5 kW/ 1,5-2 HP	SA634.03/04/PN
2,2 kW/ 3 HP	SA634.05/06/PN
3 kW/ 4 HP	SA634.07/PN
4-5,5 kW / 5,5-7,5HP	SA634.09/10/PN
7,5 kW / 10HP	SA634.11/PN

COMPONENTI	COMPONENTS
Cassetta IP55	IP 55 Plastic box
Pressacavo	Cable holder
N°3 sonde unipolari	Nr 3 single pole sensors
Morsettiera	Terminal blocks
Relè termico	Thermal relay
Contattore	Contactor
Spia marcia	LED ON/OFF display
Ingresso bassissima tensione per pressostato o galleggiante	Low voltage input for pressure switch or floating switch
Ingresso bassissima tensione per sonde livello	Low voltage input for level sensors
Trimmer regolazione sensibilità sonde	Sensor adjusting device
Selettore Man-0-Aut	Selector Man-0-Aut.



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QUADRI ELETTRICI
CONTROL BOX

TRIFASE STANDARD CON RELÈ MANCANZA E SEQUENZA FASI
THREE PHASE STANDARD CONTROL BOX WITH RELAY FOR SEQUENCE/LACK OF PHASES

Potenze MOTOR POWER	Codice Code
1,1-1,5 kW/ 1,5-2 HP	SA634.23/24/PN
2,2 kW/ 3 HP	SA634.25/26/PN
3 kW/ 4 HP	SA634.27/PN
4-5,5 kW / 5,5-7,5HP	SA634.29/30/PN
7,5 kW / 10HP	SA634.31/PN

COMPONENTI	COMPONENTS
Cassetta IP55	IP 55 Plastic box
Pressacavo	Cable holder
sonde unipolari	single pole sensors
Morsettiera	Terminal blocks
Relè termico	Thermal relay
Contattore	Contactor
Spia marcia	LED ON/OFF display
Relè sequenza e mancanza fase	Sequence-lack of phase relay
Selettore Man-0-Aut	Selector Man-0-Aut.



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QUADRI TRIFASE PLUS
THREE PHASE PLUS CONTROL BOXES

Potenze MOTOR POWER	Codice Code
3 kW / 4 HP	SA632.07/08
4 kW / 5,5 HP	SA632.09
5,5 kW / 7,5HP	SA632.10
7,r kW / 10HP	SA632.11
9,2 kW / 12,5HP	SA632.12
11 kW / 15 HP	SA632.13
13 kW / 17,5 HP	SA632.14
15kW/ 20HP	SA632.15
18,5 kW / 25 HP	SA632.16
22 kW / 30 HP	SA632.17

COMPONENTI	COMPONENTS
Cassetta plastica IP55	IP 55 Plastic box
sezionatore blocco porta	Safety switch door lock
Selettore Man-0-Aut	Selector Man-0-Aut.
Pulsante On/Off	ON/OFF Switch
Ingresso pressostato o galleggiante	Low voltage input for pressure switch or floating switch
Relè manc e sequenza fase	Sequence-lack of phase relay
Spia rete	LED power connection
Spia marcia	ON LED
Spia sovraccarico	Overload LED
Amperometro	Amp meter
Voltmetro	Volt meter
Fusibile protez. Ausiliari	Auxiliary protection fuse
Trasformatore ausiliari	Auxiliary transformer
Fusibile protez. Motore	Motor protection fuse
Contattore	Contactor
Relè termico	Thermal relay
Morsettiera	Terminal blocks
Pressacavi	Cable holder



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QUADRI ELETTRICI
CONTROL BOX

QUADRI TRIFASE STELLA/TRIANGOLO
THREE PHASE STAR-DELTA CONTROL BOXES

Potenze MOTOR POWER	Codice Code
5,5 kW / 7,5HP	SQ700.00/PN
7,r kW / 10HP	SQ700.01/PN
9,2 kW / 12,5HP	SQ700.20/PN
11 kW / 15 HP	SQ700.02/PN
13 kW / 17,5 HP	SQ700.21/PN
15kW/ 20HP	SQ700.03/PN
18,5 kW / 25 HP	SQ700.04/PN
22-26 kW / 30-35 HP	SQ700.05/PN
30 kW / 40 HP	SQ700.06/PN
37 kW / 50 HP	SQ700.07/PN

COMPONENTI	COMPONENTS
Cassa metallica IP55	Metal IP55 box
sezionatore blocco porta	Safety switch door lock
Selettore Man-0-Aut	Selector Man-0-Aut.
Pulsante On/Off	ON/OFF Switch
Temporizzatore stella/triangolo	Star-delta timer
2 Ingressi pressostato o galleggiante	Nr 2 low voltage input for pressure switch or floating switch
Spia rete	LED power connection
Spia marcia	ON LED
Spia sovraccarico	Overload LED
Fusibile protez. Ausiliari	Auxiliary protection fuse
Trasformatore ausiliari	Auxiliary transformer
Fusibile protez. Motore	Motor protection fuse
3 contattori	Nr 3 contactors
Relè termico	Thermal relay
Morsettiera	Terminal blocks
Pressacavi	Cable holde

Disponibile su richiesta
Available on request
Disponible sur demande
Disponible bajo pedido

NOTES