caprari

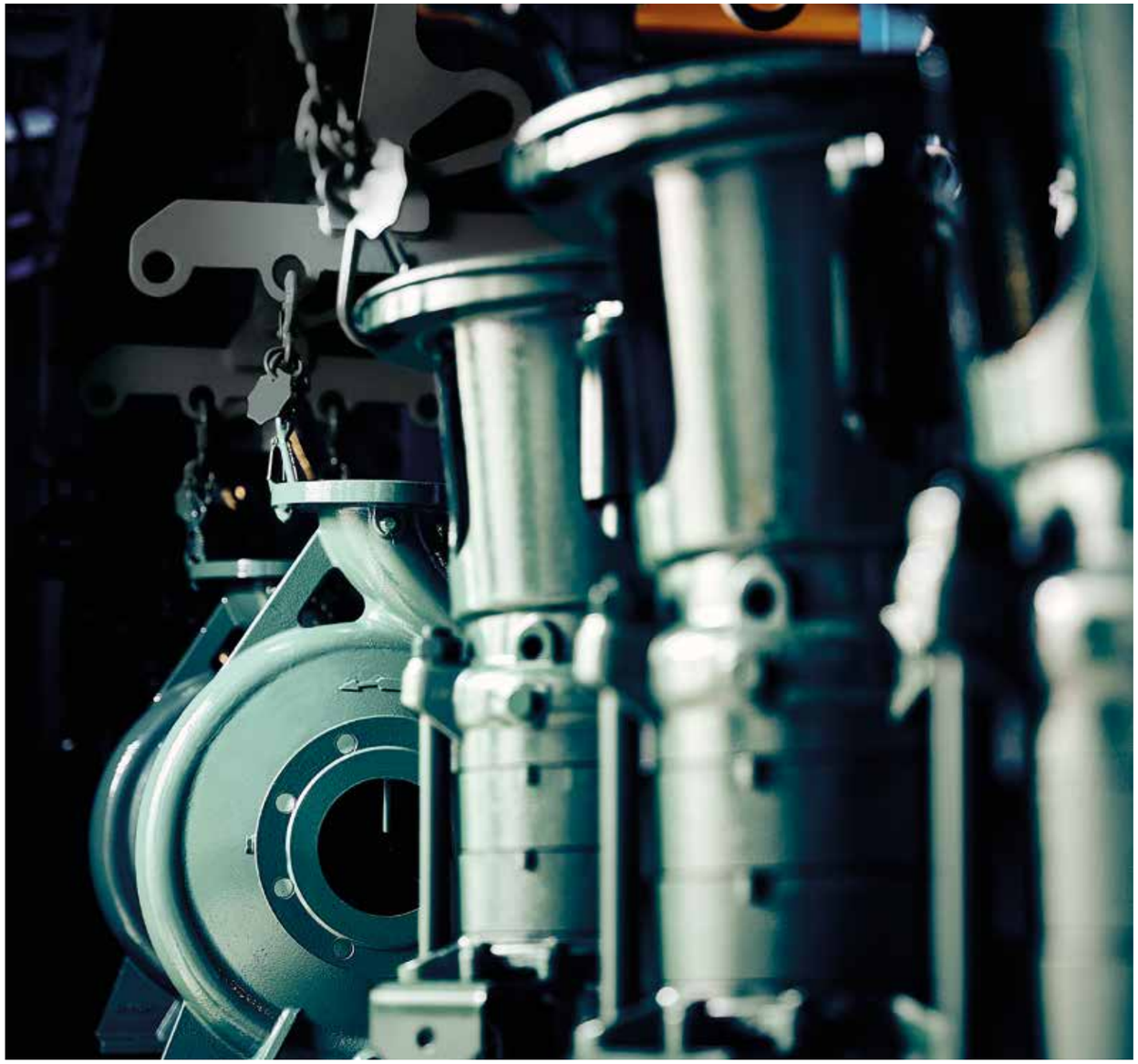
OEM solutions

Index

OEM excellence, fueling your ideas

At Caprari, we believe that every OEM project deserves its own tailored solution.

With decades of experience in the pumping industry and deep expertise across a wide range of applications, we work alongside our partners from the earliest design stages. Together, we develop customized solutions that align perfectly with technical requirements, application needs, and performance goals.



your industry, our expertise

In a world demanding increasingly specific and high-performance solutions, Caprari responds with a wide range of products ideal for different industries. We develop innovative, robust, and reliable systems capable of tackling the toughest challenges.

Firefighting

Pumps compliant with UNI EN 12259-12 and UL448 Standards

- Industry
- Offshore
- Civil and Infrastructure

Snowmaking

Excellent performance and easy installation

- Relaunch for snow cannons
- Water intake

Dust suppression

Customized pumps for heavy operating environments

- Water spraying
- Water intake
- Road washing

Industrial applications

Adaptable features for various industrial equipment

- Tanneries
- Steelworks
- Reverse osmosis
- Civil and Construction
- Water and wastewater treatment

Irrigation

Many models and configurations for all irrigation systems

- Motor Pumps
- Hose Reels
- Pivots
- Rain Wings

top solutions, broad portfolio

Caprari provides a full range of solutions specifically designed to meet OEM needs. From pumps to integrated systems, every product ensures efficiency, durability, and ease of integration, helping you stay competitive in a fast-evolving market.

NC | NCD

EN733 Normalized pumps

P6 ÷ P18

6” ÷ 22” Vertical lineshaft pumps

NMC

Normalized monobloc pumps

CVX / CVD

Vertical inline multistage electric pumps

PM | PMA | PMX

High pressure horizontal multistage pumps

K+

Submersible sewage electric pumps

E6÷22 | MAC6÷14

Borehole pumps and submersible motors

MEC-A | MEC-MR

Horizontal single stage / multistage pumps

MEC-MG | MEC-AG BHG

SAE flanged pumps for diesel engines

we make a difference in every project

Caprari is the ideal partner for OEMs, offering tailored solutions based on your specific needs. From simple configurations to fully customized projects, we guarantee the quality and reliability that define us.

Customized solutions

Different materials for different applications

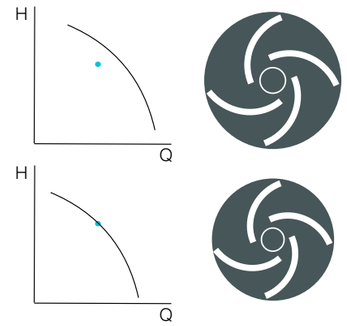
The selection of different materials is tailored to the operating conditions and specific requirements of the application. With the support of our experts, you will find the ideal solution, ensuring optimal performance and long-lasting durability.

CASING	IMPELLER	MEC. SEAL	SHAFT	WEAR RING
				
CAST IRON	CAST IRON	SILICON CARBIDE	AISI 303	EPDM
		------	------	------
BRONZE	BRONZE	CERAMIC	AISI 304 / 304L	NBR AND
		------	------	------
CASTED / STAMPED SS	CASTED / STAMPED SS	GRAPHITE	AISI 316 / 316L	HNBR
AISI 304 AND AISI 316	AISI 304 AND AISI 316	------	------	------
		WIDIA	AISI 420 / 420B	AISI 304
DUPLEX	DUPLEX		------	------
SUPER-DUPLEX	SUPER-DUPLEX		AISI 430 / 430F	AISI 316
			------	------
			AISI 431	BRONZE
			------	------
			AISI 630	CAST IRON

			DUPLEX	
			SUPER-DUPLEX	

Impeller diameter optimization

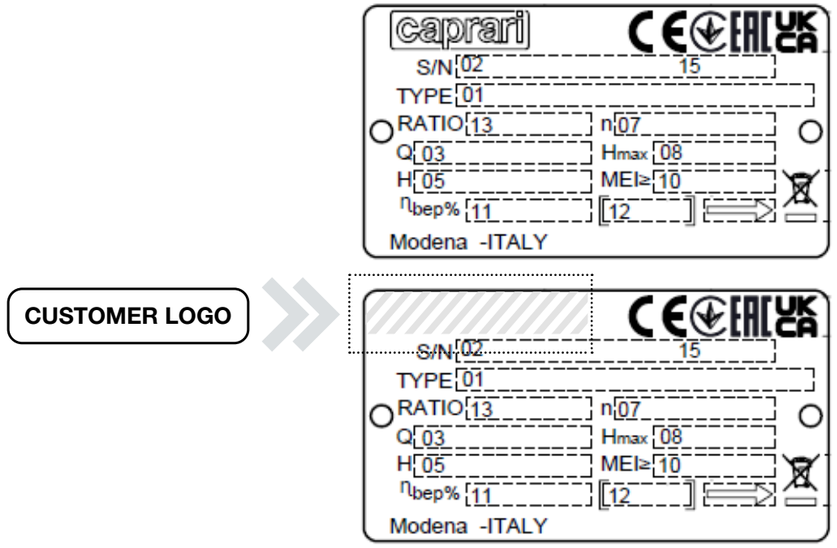
We offer the possibility to customize the impeller diameter to optimize the pump's performance curve, adapting it to the customer's required operating point.



Customized solutions

Labels and packaging

Products can be labeled with your logo to reinforce brand identity and visual consistency in the market.



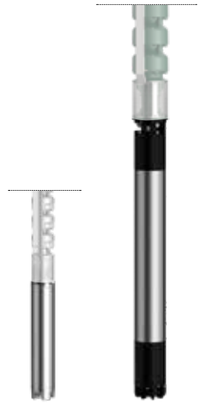
Your color, our pump

Pumps can be painted in custom colors based on your branding or application environment, using high-quality paints and rigorous standards.

Customized solutions

Wide motor range

The widest range of surface and submersible motors, with multiple voltages and customization options to ensure optimal performance in every application.



Borehole pumps

- Power from 4 to 440kW
- 2/4 poles
- Low and medium supply voltage
- Water filled, canned and permanent magnet versions (efficiency above 90%)
- VSD and hot water configurations

Surface and VTP pumps

- Power from 0,37 to 3.000kW
- 2/4/6/8 poles
- Low and medium supply voltage
- IE4 / IE3 / IE2 efficiency class
- Horizontal and vertical configuration

Wastewater pumps

- Power from 1,1 to 345kW
- 2/4/6/8 poles
- Low supply voltage
- IE3 efficiency class

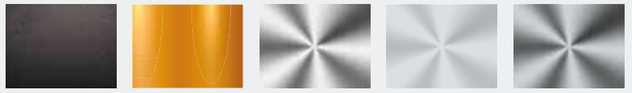
Example of customizations

- Glycol at 50%
- PT100 thermal probes
- Reinforced motor connections
- Dedicated supply voltage and cable lenght

- Dedicated supply voltage
- Insulated bearing for VSD application
- Various insulation and efficiency class
- Tropicalisation

- PT100 thermal probes
- SiC-SiC mechanical seals
- Dedicated supply voltage and insulation class
- Cable motor with other lenght or shielded version

Available in MATERIALS



Cast iron | Bronze | Stainless Steel | Duplex | Super-Duplex

Customized solutions

Installation flexibility

Caprari pumps can be supplied with standard or customized flanges (SAE3-SAE4-SAE5), ensuring compatibility with different engine sizes.

A. SAE3 – SAE4 – SAE5 MODULAR SUPPORT

- Single pump model with interchangeable connection flange
- Ideal for all types of diesel engine

B. SAE3 MONOBLOC SUPPORT

- The extreme reliability of historic flanged pump
- Life over time

SAE3

C. SAE3 – SAE4 – SAE5 LIGHT VERSION

- The compact version without bearing support: simple and easy to install

SAE3
SAE4
SAE5

advanced OEM consulting and reengineering services

Caprari offers OEMs a premium technical consultancy service, providing end-to-end support across all stages of the project — from the initial feasibility study and co-design phase to prototyping, production, commissioning, and after-sales service.

Our dedicated Application Engineering team, supported by an agile R&D department, is committed to identifying and developing the most suitable and tailor-made solutions, ensuring seamless integration and optimal performance in every application.

consulting
we collect your request
to create a tailor-made solution

feasibility study
we select the best materials
and components
and check feasibility

prototype
is the best way to field
test its reliability

industrialisation and assistance
from industrialisation
to post-installation support

The pumps for your fire protection system

Requirement:
Pumps compliant with UNI EN12259-12 and UL448 standards.
OEM Project:
Re-engineering of NC and P series to be compliance: materials, performance, painting and nameplate.

Snowmaking pump solution

Requirement:
Compact solution for easier and more economical installation even in tight spaces
OEM Project:
Re-engineering of PM pumps with axial suction to connect the pump directly to the pipe, without compromising high pressure performance.

Perfect design for equipping industrial vehicles

Requirement:
Extremely robust and reliable pumps for installation on road washing vehicles.
OEM Project:
Re-engineering of MEC-A in heavy-duty configuration: stainless steel and oversized shaft, bronze impeller, oversized bearings and ceramic painting to ensure reliability and durability over time.

Flexible and reliable irrigation solution

Requirement:
Modular solution for greater installation flexibility.
OEM Project:
Re-engineering of MEC-MG with modular support SAE3-4-5 to be more flexible and oversized shaft and oil-lubricated bearings for durability over time

certified quality

At Caprari, quality is embedded in every stage of our process, from design to final delivery. Our commitment is upheld by our dedicated Quality Centers, four state-of-the-art Testing Rooms, and a CTF (Customer Testing Facility) certified and managed by a specialized team.

We are equally committed to sustainability and the protection of human health. All Caprari products comply with the RoHS directive and REACH regulations, including rigorous PFAS content control, ensuring our solutions meet the highest environmental and safety standards.

System certifications

Product certifications

state-of-the-art testing facility

advanced measurement tools ensure every new project meets the highest reliability standards.

testing on request

every product can undergo hydraulic performance testing to confirm compliance with specifications.

submersible motors: 100% end of line testing

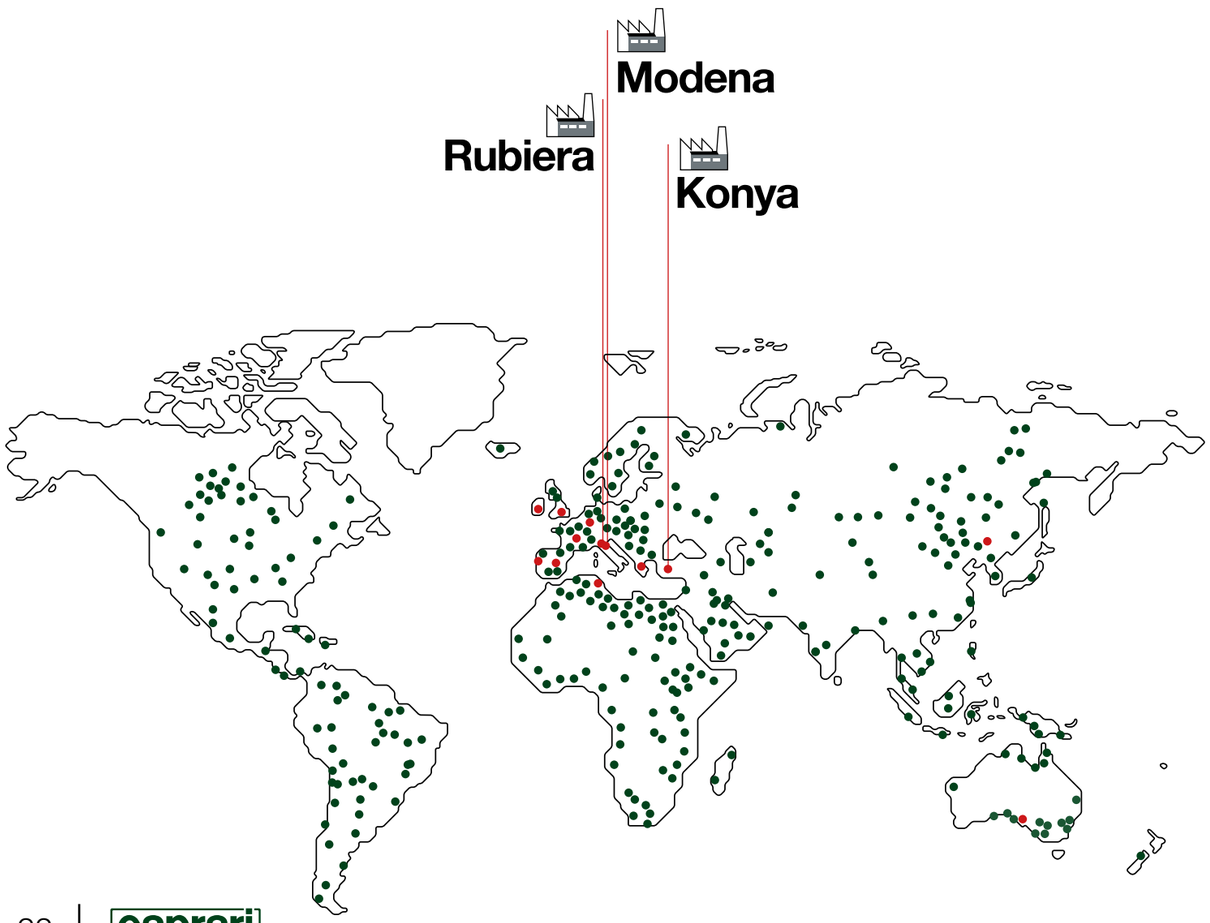
to guarantee excellent performance

training and support

multiple support programs available

global presence, local service

Since 1945, Caprari has been designing and manufacturing efficient and sustainable water pumping solutions, investing in technology and innovation. With a global presence and international sales network, we provide top-level support, ensuring quality, reliability, and rapid availability of products and spare parts worldwide.



fast deliveries
worldwide

original spare parts
always available

repairs and maintenance
on site and in the workshop

advanced digital control tools

NC
NCD

Normalized single-stage pumps - EN733 (DIN 24255)

Designation

Example: NCH 125-500

NCH = Pump series (H – High pressure)
125 = Discharge DN
500 = Impeller diameter

Example: NCD 4P32-125

NCD = Pump series
4P= number of poles
32 = Discharge DN
125 = Impeller diameter

Construction

Single-stage horizontal centrifugal pumps compliant with DIN 24255/EN 733 standard. The BACK PULL OUT system and connection to the motor with a flexible coupling and spacer allow the pump to be disassembled from the rear side for inspection purposes and repairs without disconnecting the motor or the pump casing from the piping: easy maintenance.

- Pump casing and impeller: cast iron, bronze or AISI 316 stainless steel.
- Shaft and supports: the AISI 420 (NC) – AISI 430 (NCD) stainless steel shaft (fully protected against contact with the pumped water) is guided and supported by two ball bearings housed in the connecting support that are permanently lubricated with high quality grease to guarantee longer life.
- Seal: the mechanical type, housed in the connecting support and easily replaceable.
- Firefighting configuration according to EN12259-12
- Models not involved in EN733 regulation (DIN24255):
  1.450 rpm
  32-250, 40-315, 80-400, 150-500, 200-400, 250-40
  2.900 rpm
  32-250, 50-315, 100-315, 125-250

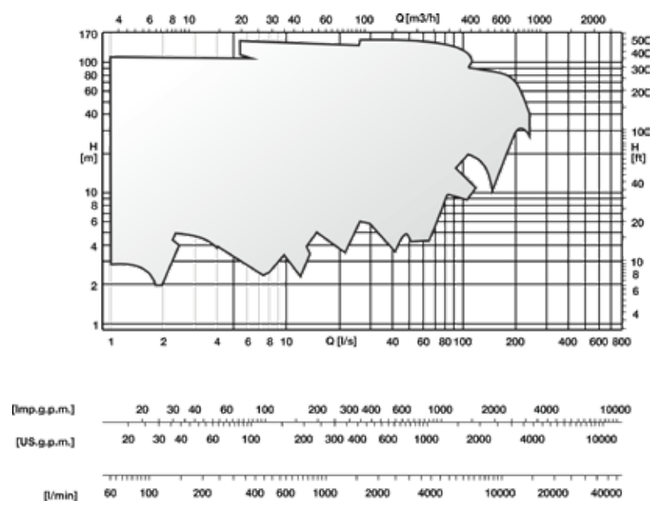
Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature from -10 °C to +90°C (+140°C with special seal)
Direction of rotation: clockwise viewed from drive side.
Ports positioning: axial for suction, radial for discharge.

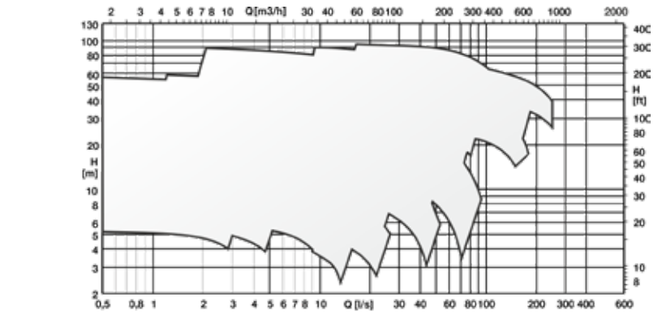
Motor

2/4/6-pole three-phase induction motors, 50/60Hz (n ≈ 960÷3.500rpm)
Power from 0,75kW up to 355kW
Supply voltages:
50Hz: 230, 230/400, 400 or 400/690V ±10%
60Hz: 265, 265/460, 460, 460/795V ±10%
Insulation class F
Protection degree IP 55
Motors suitable for operation with frequency converter
Efficiency class IE3, IE4 (according to UE REGULATION 2019/178; available in other efficiency classes for non-UE Markets)

Coverage chart



50 Hz
960÷2.900rpm



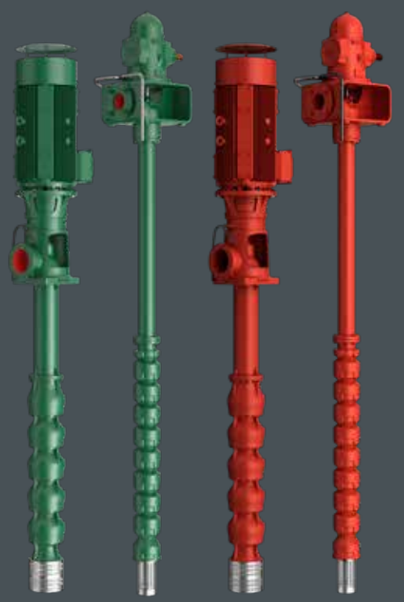
60 Hz
1.150÷3.500rpm

Special features on request

Impeller in stainless steel or bronze
Wear ring in bronze
Full bronze version (NCD)
Packing gland
ANSI flanging
Firefighting configuration according to EN12259-12
High temperature version up to 140°C
Other supply voltage, protection degree, insulation and efficiency class, tropicalisation

P6 - P18

Vertical lineshaft pumps



Designation

Example: P10L/6/30/2A

P = Pump series 10 = Nominal diameter in inches
L = Range of capacity
6 = Coupling with lineshaft in inches
30 = Shaft coupling diameter in mm
2 = Impllers or stage numbers
A = Impeller trimming

Construction

Vertical lineshaft centrifugal pumps. The group consist of pump casing, riser pipe enclosing the linehsaft, drive unit with discharge head and baseplate.

Drive Unit types for:

- standard enclosed electric motor
- vertical races/flat pulley
- right angle
- right angle gear, double shaft projection
- step-up gear
- multi-step-up gear, double shaft projection

Accessories:

- Strainer or foot valve
- Support frame
- Control panel

Operating conditions

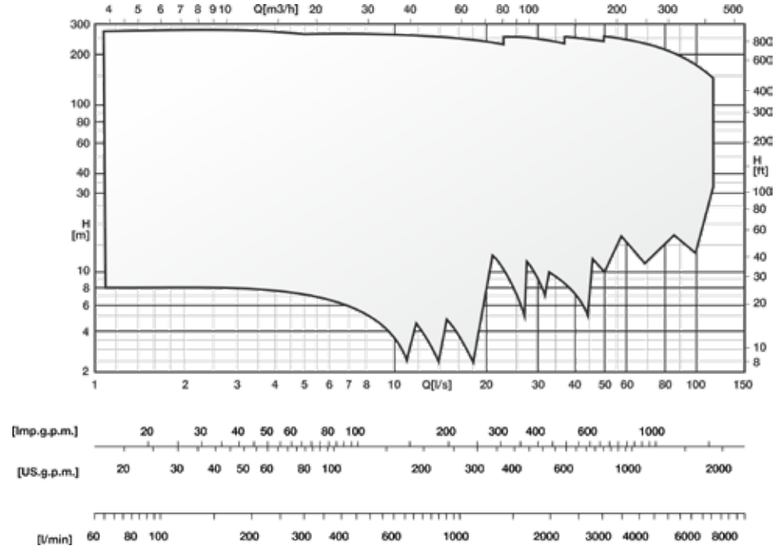
Rated speed of rotation up to 3.500rpm
Liquid temperature from -10 °C to +60 °C
Ambient temperature up to 40° C
Installation depth up to 200m
Working pressure up to 25bar

Motor

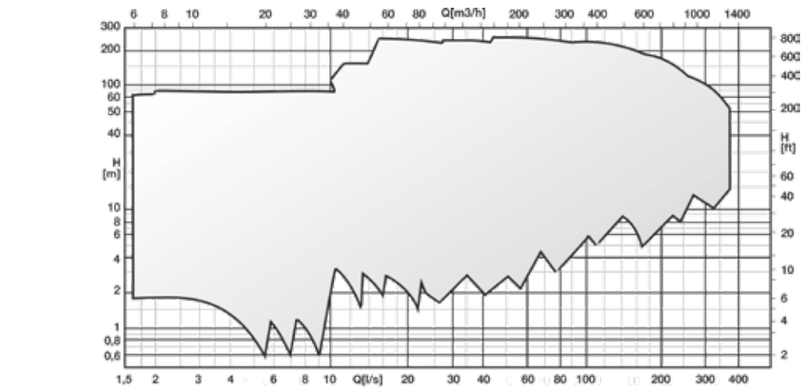
2/4/6-pole three-phase induction motors, 50/60Hz
(n ≈ 960÷3.500rpm)
Power from 2,2kW up to 450kW
Supply voltages:
50Hz: 230, 230/400, 400 or 400/690V ±10%
60Hz: 265, 265/460, 460, 460/795V ±10%
Insulation class F
Protection degree IP 55
Motors suitable for operation with frequency converter
Efficiency class IE3, IE4 (according to UE REGULATION 2019/1781;
Available in other efficiency classes for non-UE Markets).

Coverage chart

2.900rpm



1.450rpm



Special features on request

Pump casing in stainless steel, bronze or duplex
Impeller in stainless steel, bronze or duplex
Bearings in bronze
Drive unit discharge connection below installation level
Different types of painting (colour, anti-erosion/corrosion, rust-inhibitor)
Special mechanical seal for drive unit
Configuration for high liquid temperature

NMC

Close-coupled centrifugal pumps with threaded/ flanged ports

Designation

Example: NMCS100A+C47500T221-V

NMC = Pump series (flanged)
S = stub-shaft
100 = Discharge DN
A = Impeller trimming
+ = Separator
C4 = Motor series (IE4)
7500 = Motor nominal power code
T = Three-phase
2 = Number of poles
1 = Motor generational code
-V = Frequency (50Hz)

Example: NMCF25A+C20075M211-Z

NMCF = Pump series (threaded)
25 = Discharge mm
A= Impeller trimming
+ = Separator
C2 = Motor series (IE2)
0075 = Motor nominal power code
M = Single-phase
2 = Number of poles
1 = Motor generational code
-Z = Frequency (60Hz)

Construction

Single and multistage horizontal pumps. A wide and flexible range coupled with IE2-IE3-IE4 surface motors for high efficiency and reliability over time.

- Configuration: extended-shaft (NMC monobloc) or stub-shaft (NMCS for standard motors)
- Pump suction/discharge: threaded (NMCF) or flanged (NMC)
- Pump casing and impeller: cast iron, bronze or AISI 316 stainless steel
- Seal: mechanical type
- Dimension according to EN733 standard
- Pumps compliance to Directive 2009/125/EC (Eco Design - ErP)

Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature +90°C (+140°C with special seal)
Direction of rotation: clockwise viewed from drive sid.
Ports positioning: axial for suction, radial for discharge
Total suction lift up to 7m

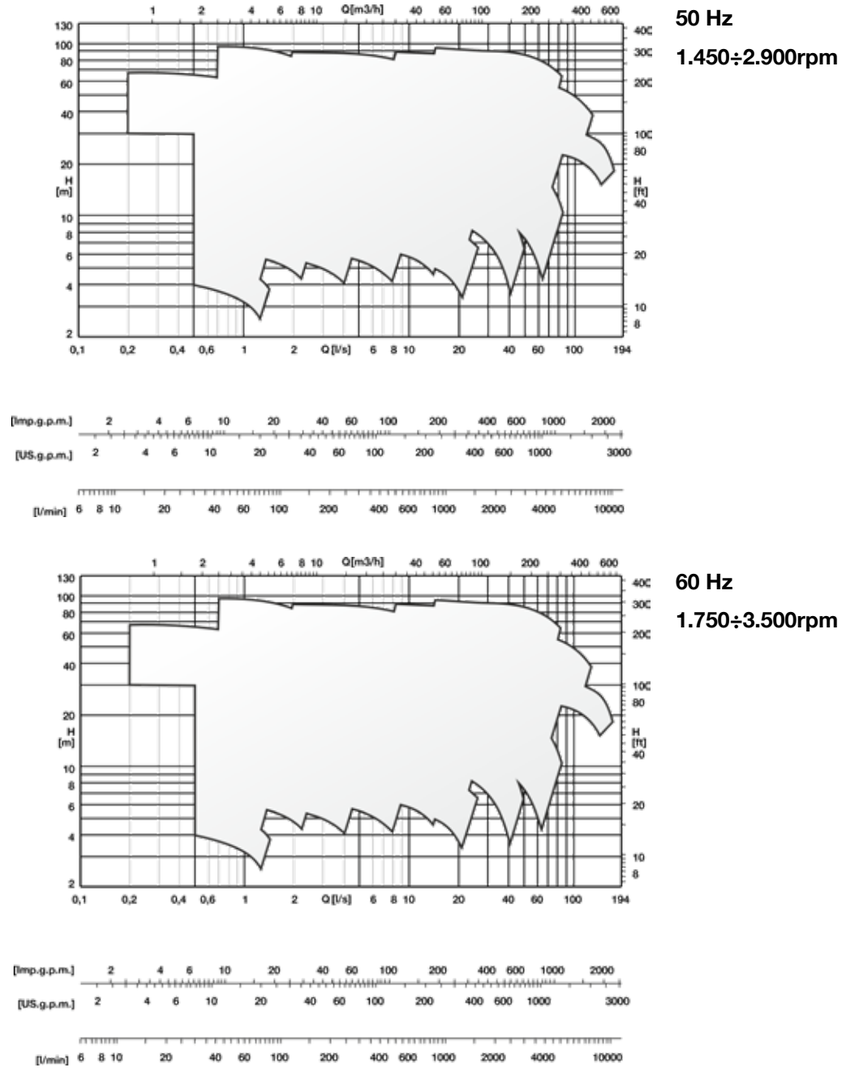
Motor

2/4-pole three-phase induction motors, 50/60Hz (n ≈ 1.450÷3.500rpm)
Power from 0,75kW up to 75kW
Supply voltages – three-phase:
50Hz: 230/400 or 400/690V±10%
60Hz: 220/380 or 380/660V±10%

Supply voltages – single-phase:
50Hz: 230V±10%
60Hz: 110, 127, 220V±10%

Insulation class F
Protection degree IP 54/55
Motors suitable for operation with frequency converter
Efficiency class IE2, IE3, IE4 (according to UE REGULATION 2019/178; available in other efficiency classes for non-UE Markets)

Coverage chart



50 Hz
1.450÷2.900rpm

60 Hz
1.750÷3.500rpm

Special features on request

Impeller in stainless steel or bronze
Full bronze version
High temperature version up to 140°C
Other supply voltage, protection degree, insulation and efficiency class, tropicalisation.

CVX
CVD

Vertical multistage electric pumps

Designation

Example: CVX201/2+E30220T212-V

CVX = Pump series
20 = Hydraulic part size
1 = Generational code wet end
/2 = stage numbers
+ = Separator
E3 = Motor series (IE3)
0220 = Motor nominal power code
T = Three-phase
2 = Number of poles
1 = supply voltage code
2 = Motor generational code
-V = Frequency (50Hz)

Construction

Vertical multistage electric pumps in stainless steel AISI 304/316 and cast iron. A wide range combined with the high quality and reliability of materials.

- Suction and discharge port inline for easy installation.
- Seal: cartridge mechanical type easily replaceable.
- Corrosion-resistant bearing sleeves lubricated by the pumped liquid.
- Version with frequency converter onboard available on request
- Pumps conform to Directive 2009/125/EC (Eco Design - ErP)

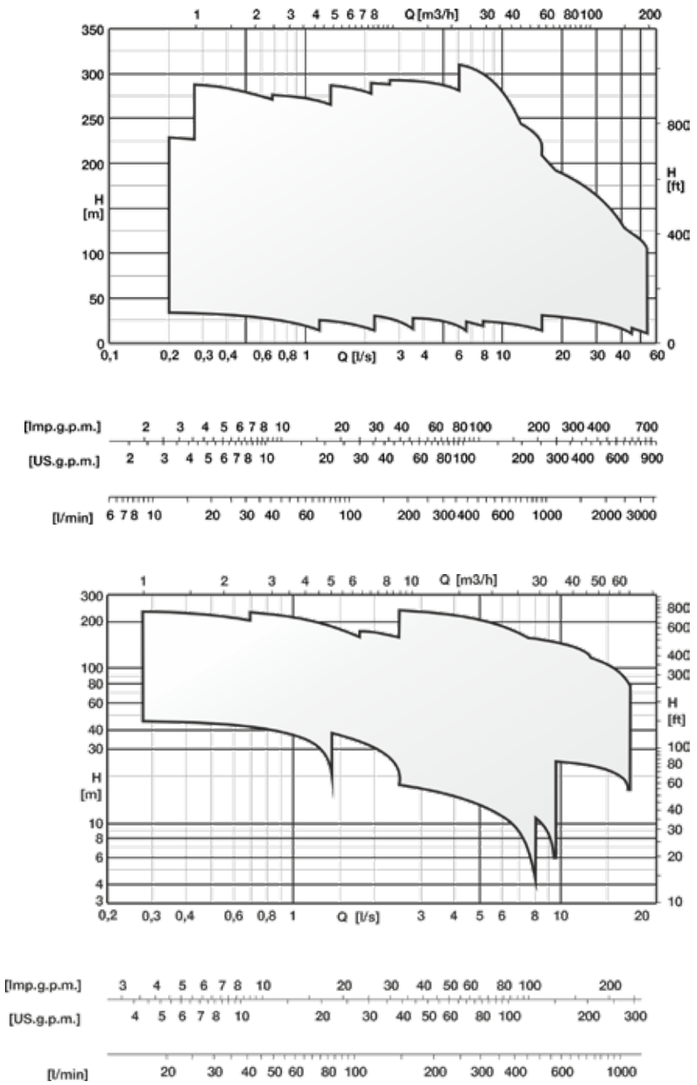
Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature from 0°C to +90°C (special version +110°C)
Direction of rotation: clockwise viewed from drive side.
Ports positioning: inline suction and discharge.

Motor

2-pole single and three-phase induction motors, 50/60Hz (n ≈ 2.900÷3.500rpm)
Power from 0,37kW up to 75kW
Supply voltages:
CVX - 50Hz: 230, 230/400 or 400/700V ±10%
CVX - 60Hz: 220, 255/380, 380, 440, 480V±10%
CVD - 50Hz: 230, 230/400, 400 or 400/690V ±10%
CVD - 60Hz: 265, 265/460, 460 or 460/795V ±10%
Insulation class F
Protection degree IP 55
Efficiency class IE3, IE4 (according to UE REGULATION 2019/178; available in other efficiency classes for non-UE Markets).

Coverage chart



50 Hz
2.900rpm

60 Hz
3.500rpm

Special features on request

Frequency converter onboard
High temperature version up to 110°C
Other supply voltage, protection degree, insulation and efficiency class, tropicalisation

PM
PMA
PMX

High pressure horizontal multistage pumps

Designation

Example: PMST100/4A

PM = pump series
S = delivery casing material
T = mechanical seal
100 = Discharge DN
/4 = Number of stages
A = Impeller trimming

Construction

Multistage horizontal pumps in cast iron for high pressure (up to 100 bar). They ensure high performance and hydraulic efficiency.

- Available with radial (PM) or axial (PMA) suction port for easy-installation
- Intermediate stage composed of shell with water draining plug, diffuser fitted with renewable wear rings, radial impeller with axial thrust compensation.
- Seal: packing type with a low friction coefficient (for the PM/PMS/PMH versions) or of the mechanical type (for the PMT/ PMST/PMHT versions); chambers sized in compliance with DIN 24960 and ISO 3069 standards.
- Shaft in stainless steel completely protected
- Balanced rotating parts for increased life and reliability
- Pressure balancing device by throttling bushes.
- Generously sized ball bearings (grease lubricated), able to carry both radial and axial thrust in both directions.
- Standard shaft heights (UNI 2946 and ISO 496) according to the ones of the electric motors.

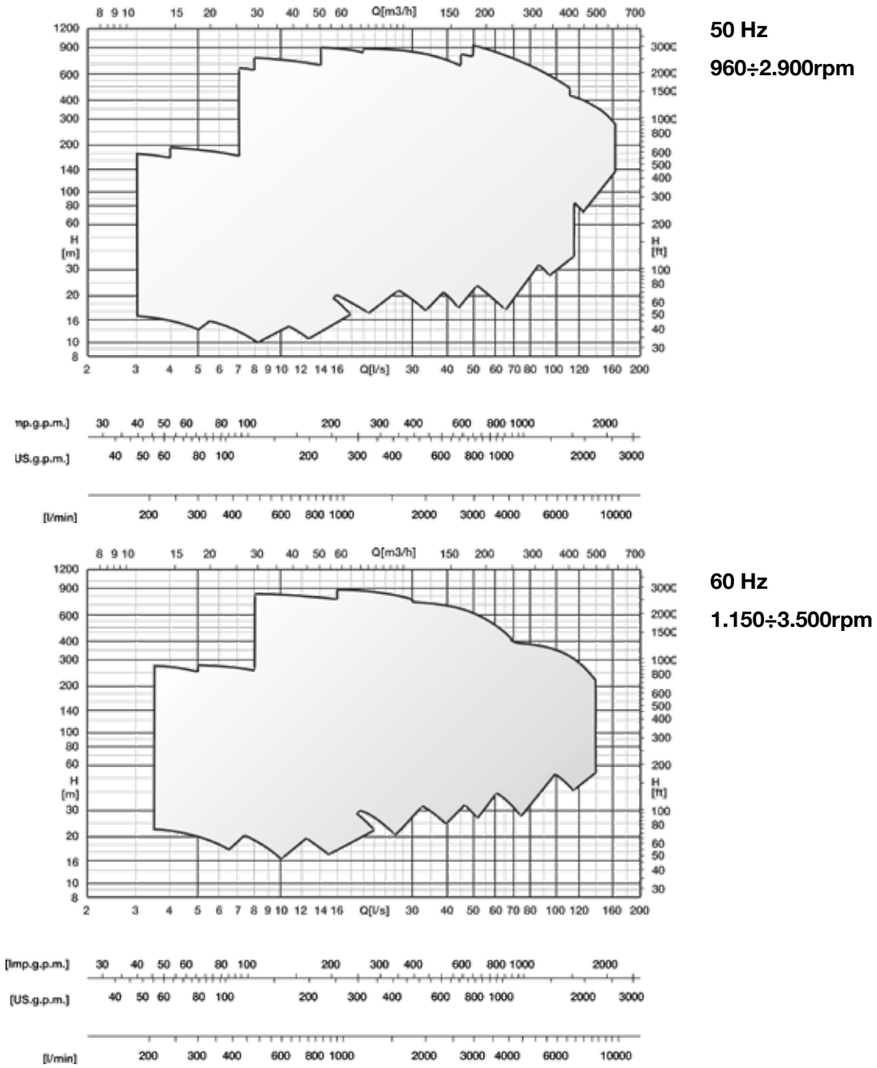
Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature from 0°C to +110°C
Direction of rotation: clockwise viewed from drive side for PM and counter clockwise for PMA
Ports positioning:
PMA axial for suction, radial for discharge
PM radial for suction and discharge

Motor

2/4/6-pole three-phase induction motors, 50/60Hz
(n ≈ 960÷3.500rpm)
Power from 0,75kW up to 800kW
Supply voltages:
50Hz: 230, 230/400, 400 or 400/690V ±10%
60Hz: 265, 265/460, 460 or 460/800V ±10%
Insulation class F
Protection degree IP 55
Motors suitable for operation with frequency converter
Efficiency class IE3, IE4 (according to UE REGULATION 2019/178; available in other efficiency classes for non-UE Markets)

Coverage chart



50 Hz
960÷2.900rpm

60 Hz
1.150÷3.500rpm

Special features on request

Full stainless steel/duplex version
Impeller in stainless steel or bronze
Mechanical seal
Thermic probes
Double shaft extension
Shaft extension on discharge side
Configuration for high liquid temperature
Other supply voltage, protection degree, insulation and efficiency class, tropicalisation

Submersible sewage liquids electric pumps

Designation

Example: KCM080HA+005842N3

K = Pump series
C = Frequency
M = Impeller type
080 = Discharge DN
H = Size of electric motor flanging
A = Impeller trimming
+ = Separator
0058 = Motor output power code
4 = number of poles
2 = supply voltage cod
N = execution
3 = generational code

Construction

The K+ series electric pumps are designed to pump sewage liquids containing gas, compacted solids and long fibrous materials. Different impeller type available: shredder, vortex, multi-channel and open twin-blade. The pumps can be installed with duck-foot or base-frame, in vertical/horizontal position.

DRYWET (PATENT)

- Oil cooling system for S1 operation in dry chamber
- One pump for all installations

K+ NON STOP

- The widest free passages on the market
- Maximum durability of mechanical seal
- Impeller cleaning and axial thrust compensation for bearing protection
- Anti-sedimentation system for solids

DOUBLE MECHANICAL SEAL

- Double protection of the electric motor
- Commercial type seals: easy to find
- Ease of access: it is not necessary to remove the motor to replace the seals

CONDUCTIVITY PROBE IN OIL CHAMBER

- Standard on all models even for ATEX version (PATENT)

KCA is the high efficiency pump with:

- Open twin blade construction: efficiency above 80%
- FIXING SYSTEM (PATENT): simple adjustment of the impeller disc via external screw for easy-maintenance

ATEX VERSION

- Construction according to standards EN60079-0-EN60079-1 type ATEX II 2G Ex db h IIB T4 Gb and I M2 Ex db h I Mb

Operating conditions

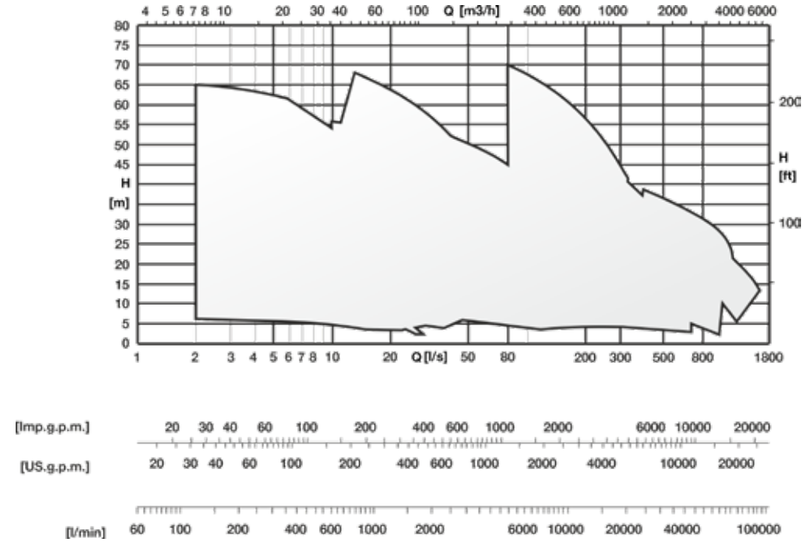
Rated speed of rotation up to 3.500rpm
Liquid temperature from -10 °C to +40 °C
Maximum submergence depth: 20 m
pH of pumped fluid: 4÷10

Motor

2/4/6/8-pole three-phase induction motors, 50/60Hz
(n ≈ 740÷3.500rpm)
Power from 1,1kW up to 345kW
Supply voltages:
50Hz: 230, 230/400, 400 or 400/690V ±10%
60Hz: 230, 380 or 460 ±5%
Insulation class F/H
Protection degree IP68
Efficiency class IE3
Motors suitable for operation with frequency converter
Cable:

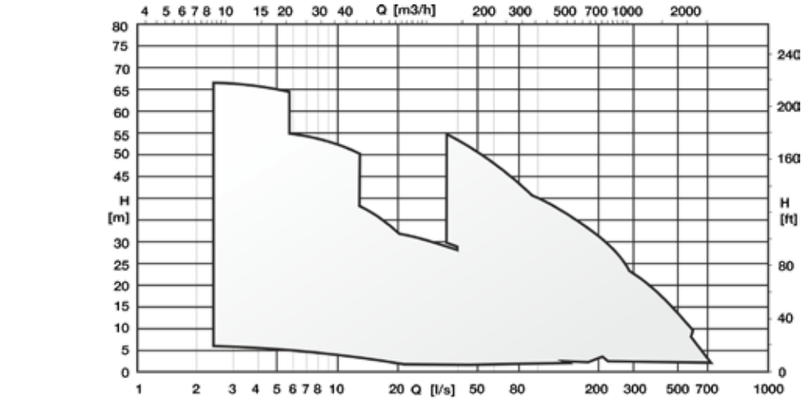
- 10m length
- NSSHOU-J or H07RN-F material
- With plug or cable glandProtection degree IP 55

Coverage chart



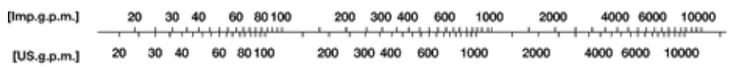
50 Hz

740÷2.900rpm



60 Hz

870÷3.500rpm



Special features on request

Impeller in stainless steel
Wear ring in bronze
Ceramic painting
Internal/external painting with erosion/rust-inhibitor
SiC-SiC mechanical seals
Sea water configuration
Other supply voltage, insulation and efficiency class
Cable Motor with other length or shielded version

E6÷22
MAC6÷14

Submersible pumps and motors

Designation

Example: E10S50/5B+MAC10100A-8V

E = Submersible Series
10 = Nominal diameter in inches
S = Semi-axial impeller
50 = Hydraulic identification number
/5 = Number of stages
B = Impeller trimming
+ = Separator
MAC = Motor Type
10 = Nominal diameter in inches
100 = Nominal power in HP
/1A = Generational code
-8 = Connections

Construction

The wide range of 6÷22″ borehole electric pumps guarantees benchmark performance. The design and innovative patented solutions ensure reliability and durability over time.

The coupling with Caprari 6÷14" submersible motors guarantees high energy savings. Ideal for supply and transporting water in every sector: from irrigation to aqueducts, from civil to industrial.

Many type of materials available: cast iron, bronze, technopolymer, casted s.s. AISI 304/316, stamped s.s. AISi 304/316, duplex/Super-Duplex.

DEFENDER: ANTICORROSION DEVICE (PATENT)

- It speeds up the passivation of stainless steel components ensuring total pump protection
- A safety barrier is created against galvanic currents and electrochemical corrosion

HT BEARING: HIGH THRUST (PATENT)

- Maximum resistance to axial thrusts up to 70.000N, 3 times higher than traditional devices
- Simplicity and reliability: unique innovative design with reduced number of components

PERMANENT MAGNET MOTOR

- Efficiency above 90% for maximum energy saving

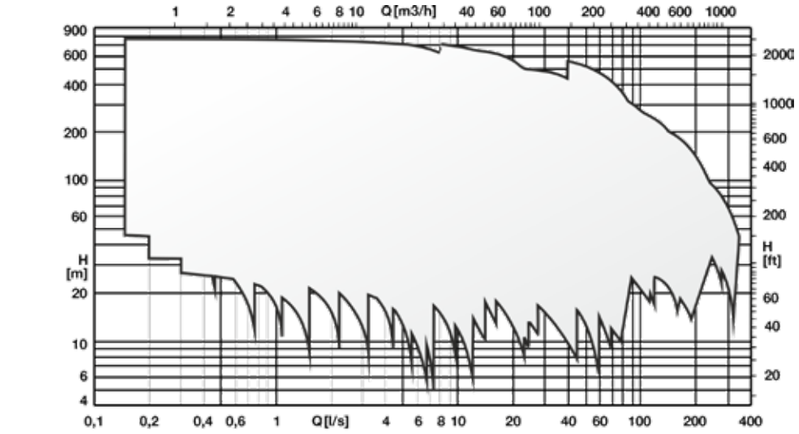
Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature from -10 °C to +65°C (special configuration)
Maximum submersion: 150m
Working pressure up to 780m
Vertical/Horizontal installation

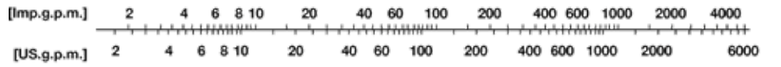
Motor

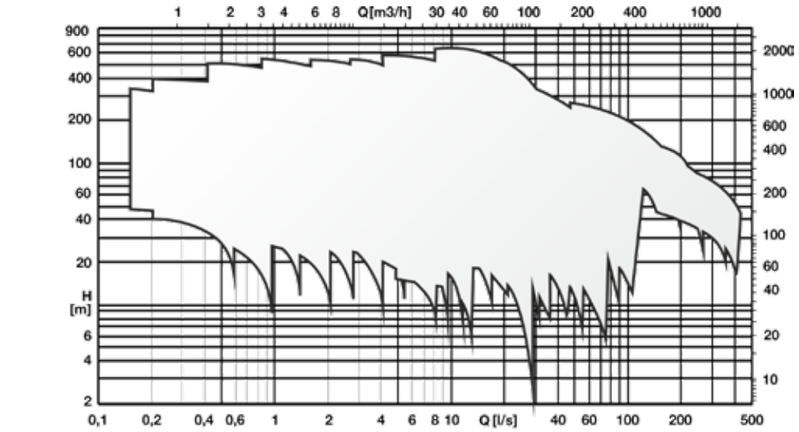
2/4-pole three-phase induction motors, 50/60Hz
(n ≈ 1.450÷3.500rpm)
Power from 4kW up to 440kW
Supply voltages:
50Hz: 220, 230, 400, 230/400, 400/700V ±10%
60Hz: 220, 230, 265, 380, 460, 220/380, 230/400, 265/460, 440/760, 460/796V ±10%
Protection degree IP 68
Motors suitable for operation with frequency converter

Coverage chart

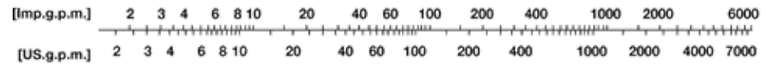


50 Hz
1.450÷2.900rpm





60 Hz
1.750÷3.500rpm



Special features on request

Pump casing in stainless steel, bronze or duplex
Impeller in stainless steel, bronze or duplex
Bearings and wear rings in bronze
PT100 thermal probes
Glycol at 50%
Reinforced motor connections
Other supply voltage and cable lenght

MEC-A
MEC-MR

Horizontal single stage and Multistage Centrifugal Pumps

Designation

Example: MEC-A 3/125

MEC-A = Pump series
3 = Model
125 = Discharge DN

Example: MEC-MR 80-1/3

MEC-MR = Pump series
80 = Discharge DN
-1 = Model
/3= Stage numbers

Construction

Single and multistage horizontal pumps. They can be coupled to both diesel engines and electric motors 2/4/6 poles.
A particularly versatile pump for clean, chemically and mechanically non-aggressive water.

- Pump casing and impeller: cast iron.
- Shaft and supports: C45 steel (MEC-A) – AISI 420B stainless steel (MEC-MR) shaft (fully protected against contact with the pumped water) is guided and supported by two ball bearings housed in the connecting support that are permanently lubricated with high quality oil to guarantee Excellent heat dissipation and longer life
- Seal: packing gland in HT composite

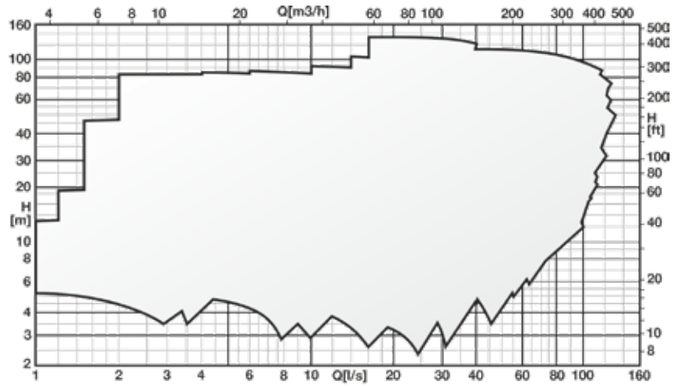
Operating conditions

Rated speed of rotation up to 3.500rpm
Liquid temperature +70 °C (+90°C with special seal)
Direction of rotation: clockwise viewed from drive side.
Ports positioning: axial for suction, radial for discharge

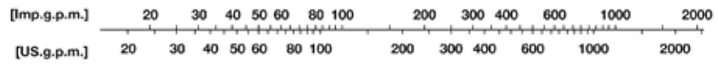
Motor

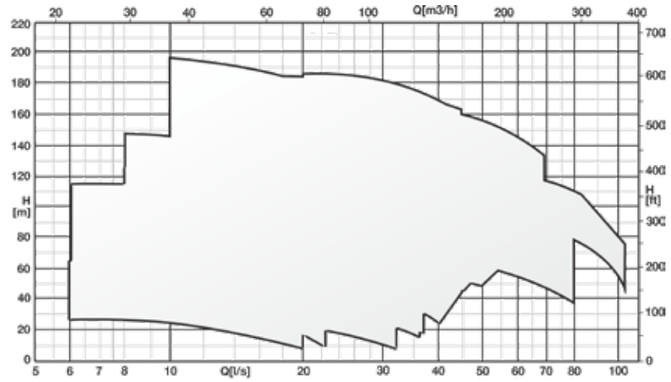
2/4/6-pole three-phase induction motors, 50/60Hz
(n ≈ 960÷3.500rpm)
Power from 0,75kW up to 132kW
Supply voltages:
50Hz: 230, 230/400, 400 or 400/690V ±10%
60Hz: 265, 265/460, 460 or 460/800V ±10%
Insulation class F
Protection degree IP 55
Motors suitable for operation with frequency converter
Efficiency class IE3, IE4 (according to UE REGULATION 2019/178; available in other efficiency classes for non-UE Markets)

Coverage chart

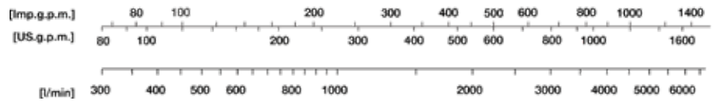


MEC-A
960÷3.500rpm





MEC-MR
960÷3.500rpm



Special features on request

Impeller in stainless steel or bronze
Bearings in bronze
Shaft in stainless steel
Mechanical seal
Right/left-orienting discharge port (viewed from suction side)
Other supply voltage, protection degree, insulation and efficiency class, tropicalisation

MEC-MG
MEC-AG
BHG

Flanged pumps for diesel motors

Designation

Example: MEC-AG 4/100
MEC-AG = Pump series
4 = Model
/100 = Discharge DN

Example: MEC-MG 100HT-1/2
MEC-MG = Pump series
100 = Discharge DN
HT = HI Torque
-1 = Model
/2 = Stage numbers

Example: BHG250H4
BHG = Pump series
250 = Delivery DN
H4= Flanges SAE

Construction

Single and multistage horizontal flanged pumps are the ideal solution for irrigation and water supply.

Version with modular support provides installation flexibility and coupling to diesel engines with SAE3, SAE4 and SAE5 flanges.

Excellent hydraulic performance and unique technical solutions guarantee high energy savings and reliability.

- Pump casing and impeller: cast iron.
- Shaft: stainless steel (fully protected against contact with the pumped water) is guided and supported by a ball bearing housed in the connecting support that are permanently lubricated with high quality oil to guarantee Excellent heat dissipation and longer life
- Seal: packing gland in HT composite

STUFFING BOX

- Easy maintenance: the stuffing box can be removed without disassembling the pump, working directly on site
- Standard on all models of the MEC-AG, MEC-MG and BHG series
- High corrosion resistance: cataphoresis treatment of components

Operating conditions

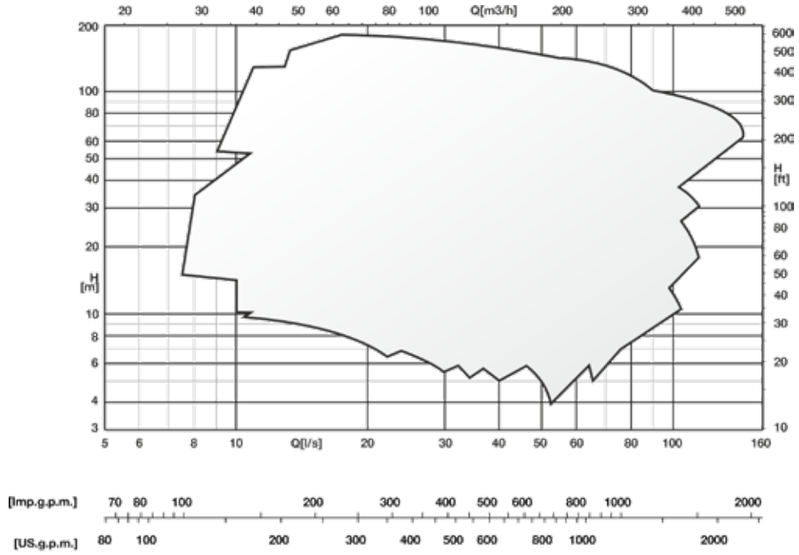
Rated speed of rotation up to 2.900rpm

Operating maximum time with closed discharge and liquid at 40°C: 10 min.

Direction of rotation: clockwise viewed from drive side.

Ports positioning: axial for suction, radial for discharge.

Coverage chart



1450÷2.900rpm

Special features on request

MEC-MG, MEC-MG
Impeller in bronze
Wear ring in bronze
Mechanical seal
Right/left-orienting discharge port (viewed from suction side)

BHG
Impeller in bronze
Shaft in stainless steel
Upward-orienting delivery port

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