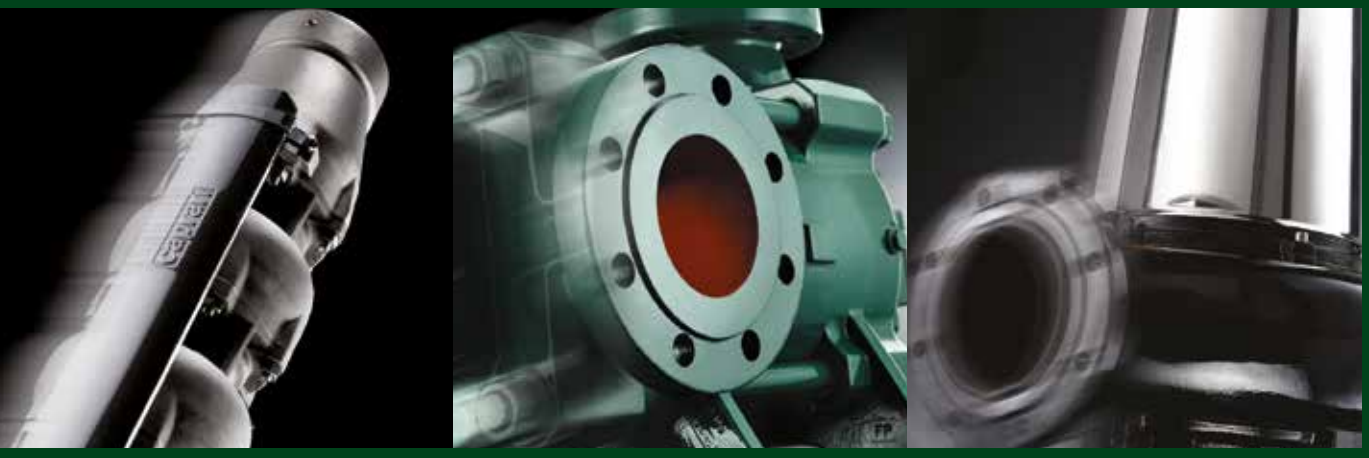


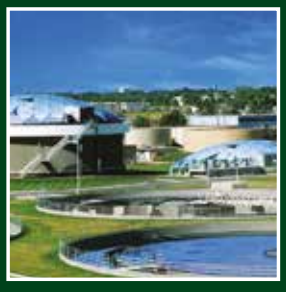
product range

caprari

pumping power

caprari

pumping power



TIFQ
prodotto conforme
D.M.174/2004

WRAS
WATER REGULATIONS ADVISORY SCHEME

ACS
Attestation de Conformité Sanitaire

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =

Sewage electric pumps
according to explosion proof
ATEX II 2G Exd IIB T4

at the service of man and the environment since 1945

The Caprari group is a leading manufacturer on an international level in the production of centrifugal pumps and electric pumps and in the creation of advanced solutions for management of the integrated water cycle.

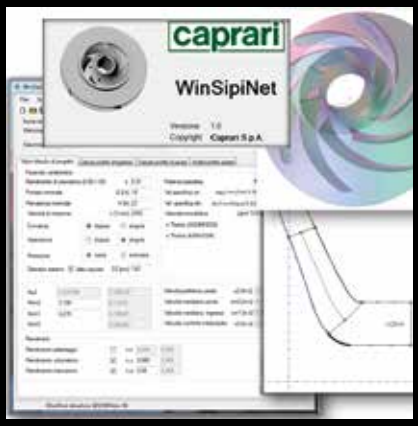
Founded in 1945 by Amadio Caprari, the company has continually expanded and diversified its business, to respond with innovative products and services to the specific and changing needs of the world of water with a view to an increasingly closer and more specialized partnership with its cu-singly customers.

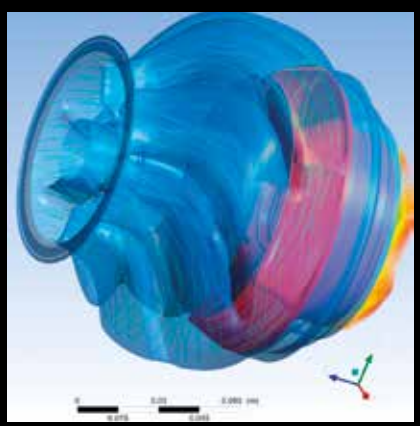
Thanks to its exclusive and diversified know-how, the finest and most efficient solutions for the main water requirements are now supplied: deep well pumping, waste and drainage water lifting, residential, industrial and agricultural water supply and distribution, and water treatment in general.

passion for technology

From hydraulic design using proprietary integrated programmes to complex structural analysis; from the conception of an innovative solution to severe testing in the field; from selecting the finest materials available to using the most sophisticated production technologies, the experience of many decades is combined with a daily passion.

Products with many versions to fully satisfy every specific system or use, easy installation, high efficiency and simple and cost-effective maintenance produce the best "Life Cycle Cost": the maximum efficiency of use, over the long term, so that technology gives a tangible result for people and their environment.





WATER COLLECTION AND DISTRIBUTION
Agricolture
Water
Industrial Applications
Heavy Duty Applications

BOOSTING AND DISTRIBUTION OF SURFACE WATER
Agricolture
Infrastructure
Water
Industrial Applications
Heavy Duty Applications

WASTEWATER TRANSPORT AND TREATMENT
Infrastructure
Water water
Industrial Applications
Heavy Duty Applications

PUMP CONTROL TECHNOLOGY
Agricolture
Water Industrial Applications
Heavy Duty Applications

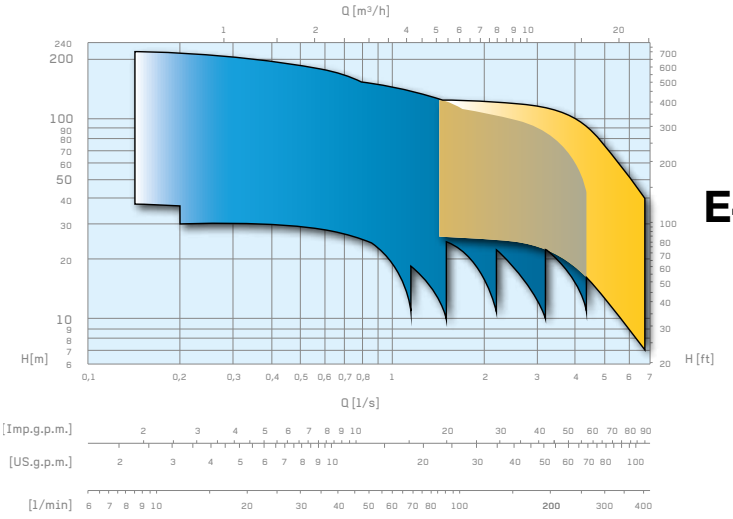
WATER COLLECTION AND DISTRIBUTION
Agricolture
Water
Industrial Applications
Heavy Duty Applications

Desert Line

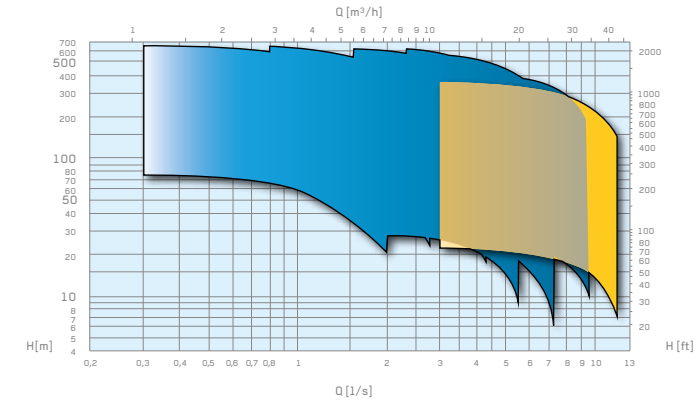
Electric stainless radial borehole pumps

The right choice for high concentrations of solids and sand up to 300 g/m³.
The new 4" and 6" borehole pumps for small and medium-size wells are Caprari's answer to the need for high performance plus long life in extremely heavy duty conditions.
Compact and stainless, they combine power and reliability thanks to the quality of the materials used to make them and their pioneering type of construction: SAND OUT SYSTEM, able to convey large amounts of sand and solids and DEFENDER® to protect the pump from electrochemical corrosion.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications		
Capacity up to	l/s	12
Head up to	m	680
Power up to	kW	37



E4X



E6X

ESX - ERX

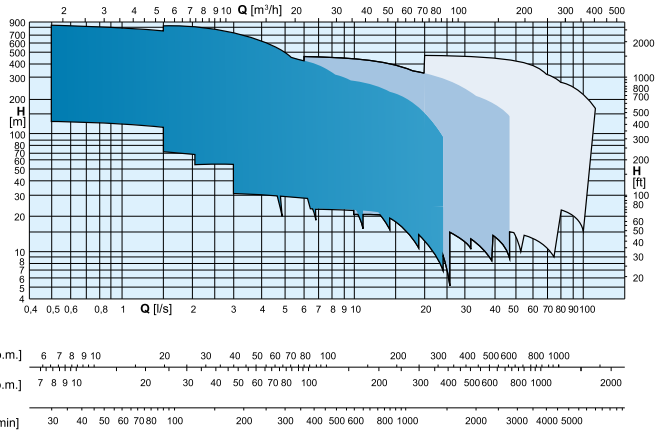
Stainless steel electric mixed flow and radial borehole pumps

ENDURANCE: electric mixed flow and radial borehole pumps made entirely of microcast stainless steel, including impellers and diffusers. Designed to ensure top performance in any aggressive environment, even marine. They combine compact dimensions with high performance. They are Caprari's professional response to the most heavy-duty use and most difficult working conditions.
A great step forward in terms of reliability and performance compared to constructions of pressed - welded steel plate.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications

Capacity up to	l/s	110
Head up to	m	850
Power up to	kW	300

ENDURANCE
+RESISTANCE +PERFORMANCE



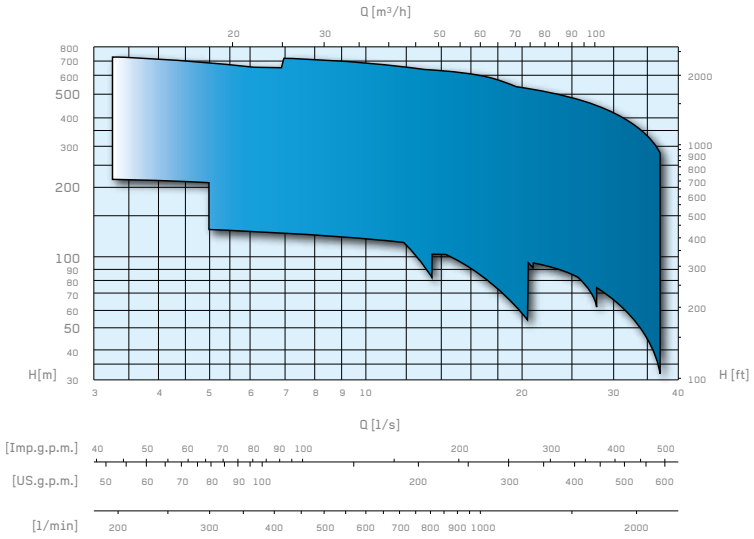
E8R - E10R

Electric radial borehole pumps

Electric 8" and 10" radial borehole pumps able to reach high heads. Thanks to the limited axial dimensions of the wet-end these machines feature a high number of stages with limited length so as to make them compact and reliable. Very solid machines, designed to last and to always ensure peak performance and efficiency under heavy duty conditions of use at great depths of installation and extremely high heads.

technical specifications

Capacity up to	l/s	37
Head up to	m	770
Power up to	kW	170

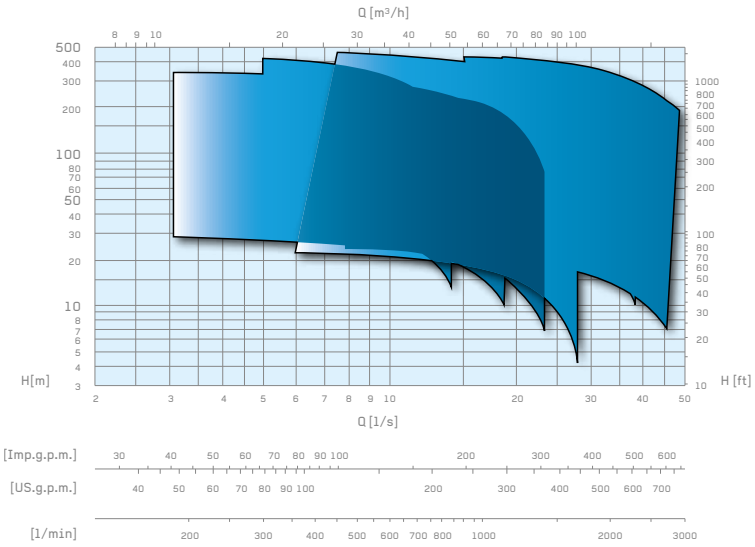


E6P - E8P
Electric mixed flow borehole pumps

Thanks to a computerized design and the most sophisticated productive technologie, Caprari offers the electric borehole pumps Energy range with benchmark performances and efficiencies. The new design and the innovative patented construction solutions ensure robusteness, long life and reliability.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications

Capacity up to	l/s	48
Head up to	m	460
Power up to	kW	92

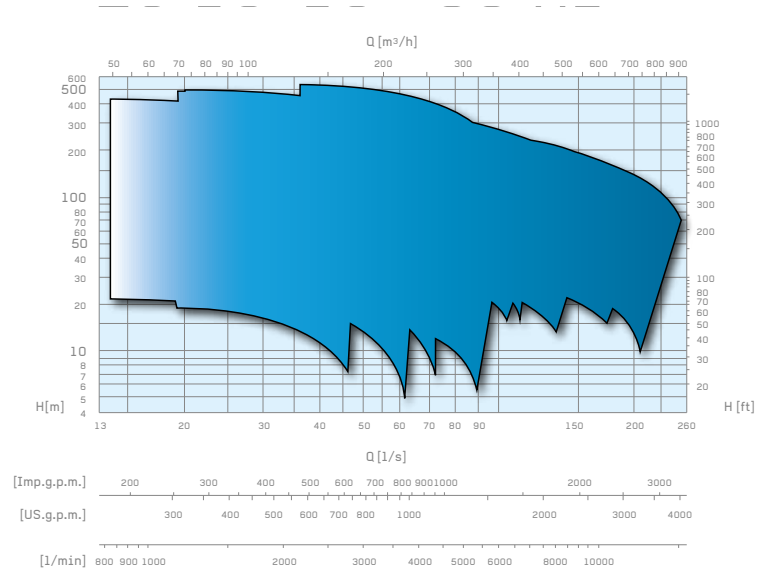


E10S - E12S - E14S
E16S - E18S
Electric mixed flow borehole pumps

Electric mixed flow borehole pumps coupled with asynchronous borehole motors at 2.900 and 1.450 rpm. Tried and tested machines whose ideal use is for lifting medium flows and medium heads. These pumps are installed in wells all over the world with unanimous satisfaction of the users. Sturdy construction of cast iron, bronze or stainless steel with impellers locked on the stainless steel shaft. Their design makes them especially suited for lifting water containing sand.

technical specifications

Capacity up to	l/s	250
Head up to	m	600
Power up to	kW	370



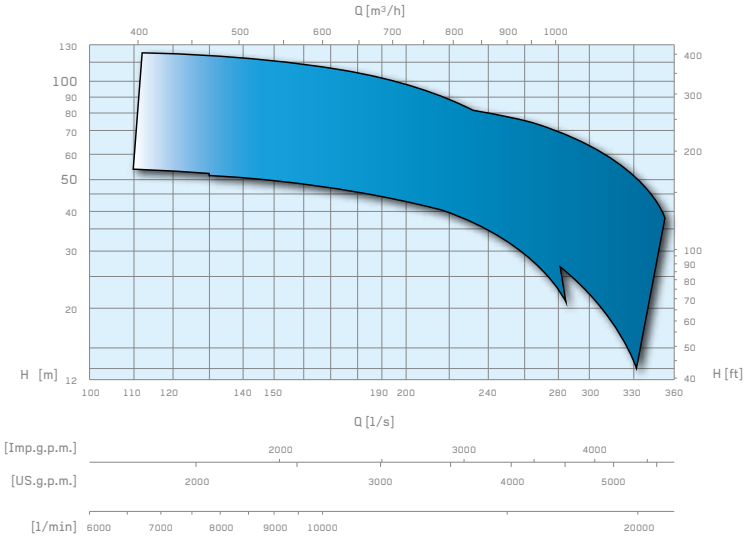
E20S - E22S

Electric mixed flow borehole pumps

Electric mixed flow borehole lifting pumps that require medium-high flows.
Coupled to asynchronous borehole motors at 1.450 rpm, thanks to the low speed of rotation they ensure great reliability with low wear and a long life. Sturdy construction of cast iron, bronze or stainless steel with impellers locked on the stainless steel shaft. These electric pumps are particularly suited for continuous use in water supply, treatment systems and industrial systems in general where, besides their great reliability, energy savings play a fundamental role ensured by the excellent hydraulic efficiencies that characterise these electric pumps.

technical specifications

Capacity up to	l/s	350
Head up to	m	130
Power up to	kW	240



MC4
Submersible Motors

Rewindable submersible single-phase and three-phase asynchronous motors expressly designed for use with “E” Serie Pumps.
Made in 2 poles, water filled. NEMA standards for 4”.

technical specifications		
Poles		2
Frequency	Hz	50 and 60
Power up to	kW	7,5

EASYWELL

Submersible Motors

The Caprari product offer has been completed with EASYWELL series, from Caprari design and manufacturing. Thanks to high-performance components such as the SiC/SiC mechanical seal and the high load thrust bearing available on the whole range, the Easywell motors are extremely reliable also under heavy-duty conditions. The product is distinguished by an excellent price / performance ratio.

technical specifications		
Poles		2
Frequency	Hz	50 and 60
Power up to	kW	132

MAC 6

MAC 6

Submersible Motors

The new generation of submersible motors stands out for innovation, technology and uniqueness.
A result achieved through a steady research, with the application of the most modern methods of design integrated with the most advanced production technologies. These submersible motors guarantee very high performances, absolute reliability in heavy duty conditions of use and strong resistance to high temperatures.

technical specifications		
Poles		2
Frequency	Hz	50 and 60
Power up to	kW	45

MAC8 - M14
Submersible Motors

Rewindable submersible three-phase asynchronous motors expressly designed for use with “E” Series pumps. Made both in 2 and 4 poles, water filled NEMA standards for 8” flanged connection.
A careful study of the supports and thrust-bearing devices, using the finest materials available, is an assurance of greater reliability over time. An exclusive electrical project combined with a series of specific precautions, dictated by profound experience in the field, provide incomparable operating efficiency in both deep wells and in industrial use or water supply.
Available in different construction metallurgies, they are the best solution for heavy duty conditions and professional systems.

technical specifications 2 Poles		
Frequency	Hz	50 and 60
Power up to	kW	440

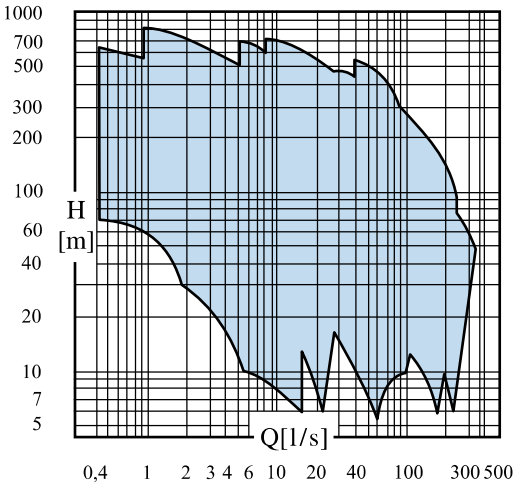
technical specifications 4 Poles		
Frequency	Hz	50 and 60
Power up to	kW	295

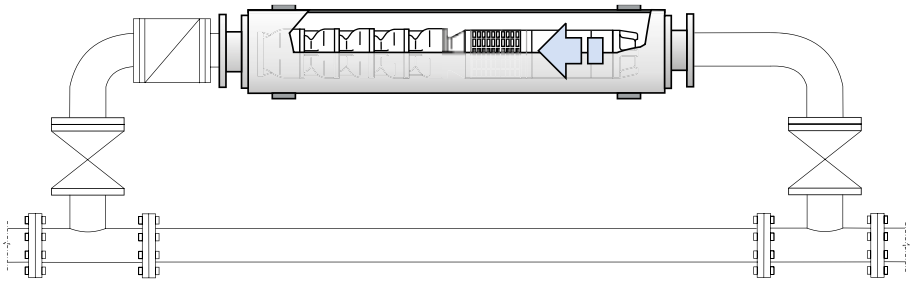
BOOSTER SETS

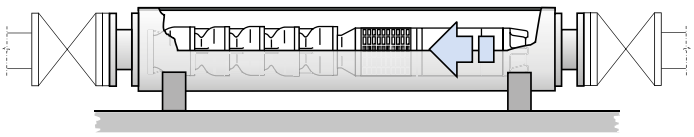
Booster sets for electric borehole pumps made of stainless steel or galvanized steel for horizontal or vertical installations, well suited not only to new systems but also to existing pipelines.
Caprari's experience in making electric borehole pumps for every field of application has been applied to these niche installations and is the best guarantee for an optimal solution in terms of reliability, efficiency and cost-effective system operation.
A peculiar feature of the installation of electric borehole pumps in booster sets is their silent operation. This solution is therefore recommended in lifting stations near to residential areas, as an alternative to conventional surface electric pumps.

technical specifications

Capacity up to	l/s	350
Head up to	m	830
Power up to	kW	370



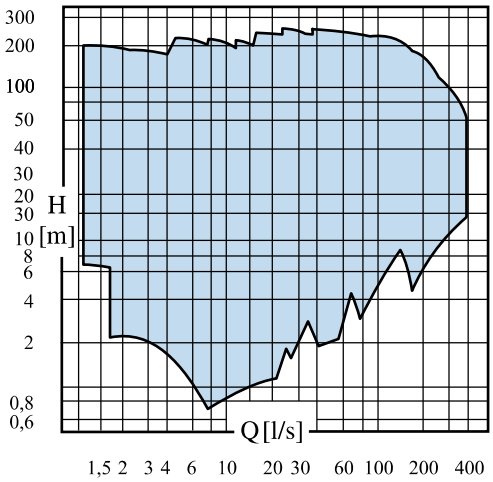




P6 ÷ P18
Vertical turbine pumps

Vertical lineshaft pumps with submerged pump bowl, lineshaft and drive unit on the surface, for installation in deep wells or tanks. Featuring an extremely solid and reliable construction design, they ensure great application flexibility. The technical characteristics and broad range of versions make this series ideal for pumping services in the sectors of water supply, industry, private and consortium irrigation and in fire-fighting systems. These machines can be controlled both by electric motors and by diesel engines and they ensure unequalled service efficiency.

technical specifications		
Capacity up to	l/s	400
Head up to	m	250
Power up to	kW	400



Energy

BOOSTING AND DISTRIBUTION OF SURFACE WATER
Agricolture
Infrastructure
Water
Industrial Applications
Heavy Duty Applications

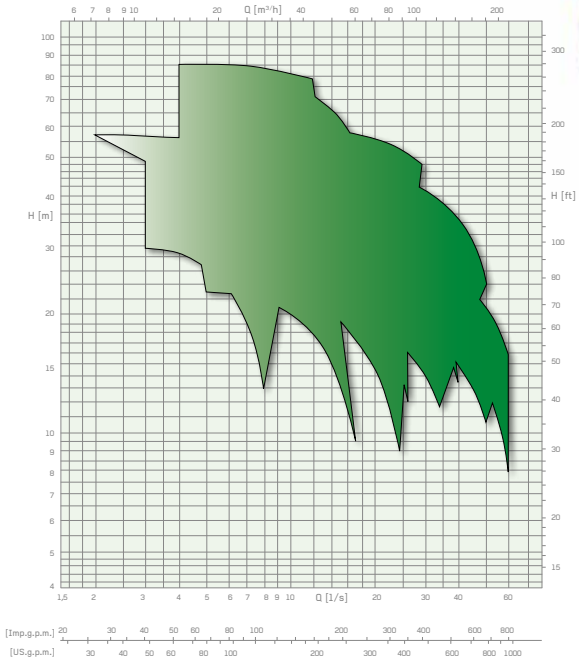
MD
Horizontal monobloc centrifugal electric pumps

Monobloc centrifugal electric pumps with horizontal shaft, single stage with adjustable packing or mechanical seal. Made of a sturdy cast iron structure, they are coupled with 2-pole threephase asynchronous high energy efficiency electric motors.
Ideal for air-conditioning and cooling tower, water circulation, vessel supply, booster and irrigation systems.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

Equipped with
EasyFit

technical specifications

Capacity up to	l/s	60
Head up to	m	85
Power up to	kW	18,5

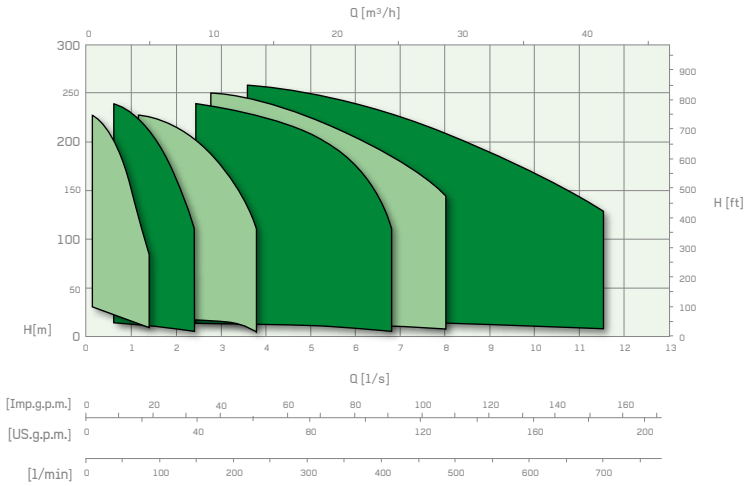


CVX
Vertical multistage electric pumps

The new range of vertical multistage pumps CVX series in stainless steel features suction and delivery in line and high energy efficiency motors. The competitive qualities of the product combined with the high quality and reliability that characterize Caprari's entire range are the more evident values of the new CVX series.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications

Capacity up to	l/s	12
Head up to	m	260
Power up to	kW	30



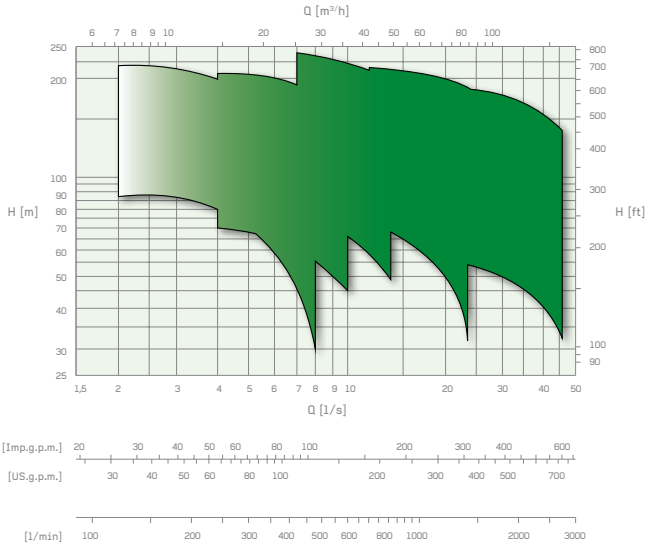
HV
Vertical multistage electric pumps

Surface vertical multistage centrifugal pumps. Silent and efficient, they can be used in water supply systems, washing, fire-fighting, air-conditioning and cooling systems, in irrigation and for booster systems in general. High energy efficiency motors. Machines conform to 2009/125/EC Directive (EcoDesign - ErP).


Equipped with
EasyFit

technical specifications

Capacity up to	l/s	50
Head up to	m	250
Power up to	kW	90



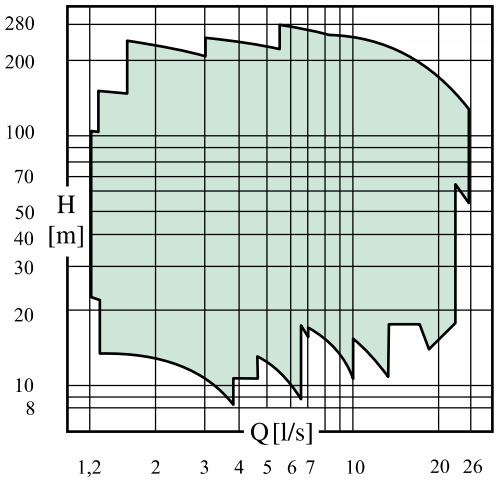
HMU
Horizontal centrifugal multistage pumps

Horizontal centrifugal multistage pumps. Made with cast iron hydraulic structure and stainless steel impellers, they ensure constant performance over time and the greatest economy in power consumption. Available in a wide range, they can be coupled with both electric motors and diesel engines. They can be used in different sectors such as water supply, industrial, irrigation and fire-fighting.


Equipped with
EasyFit

technical specifications

Capacity up to	l/s	26
Head up to	m	280
Power up to	kW	55

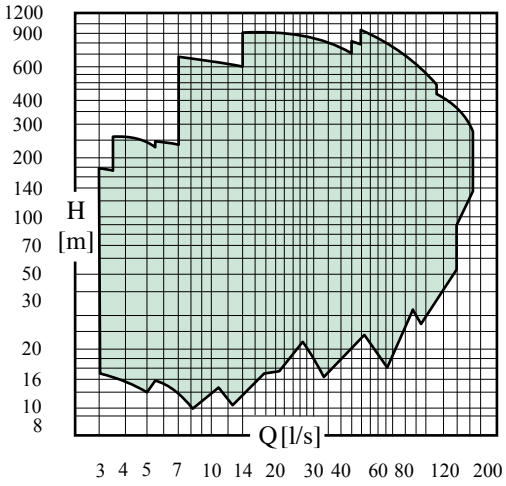


PM
Horizontal centrifugal multistage pumps

Centrifugal multistage pumps for high pressure. Made of special nodular, engineering cast iron for higher pressures (100 bar) and bronze.
Double support with large sized bearings and hydraulic pressure balancing device. Available in versions with adjustable packing or mechanical seal. They ensure high performance and peak hydraulic efficiency.
The main application sectors are: water supply, fire fighting, snow making systems, irrigation and industrial applications in general.

technical specifications

Capacity up to	l/s	160
Head up to	m	1000
Power up to	kW	650



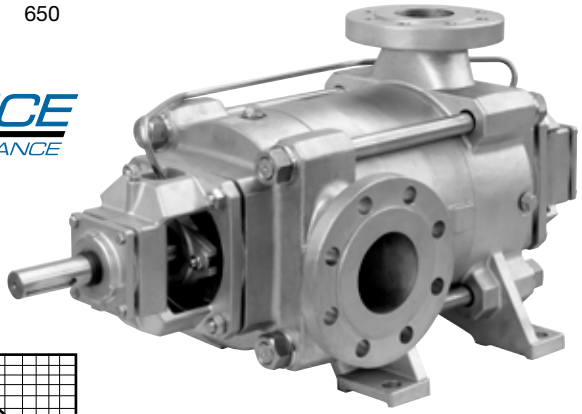
PMXT
High Pressure Multistage Horizontal Pumps in stainless steel

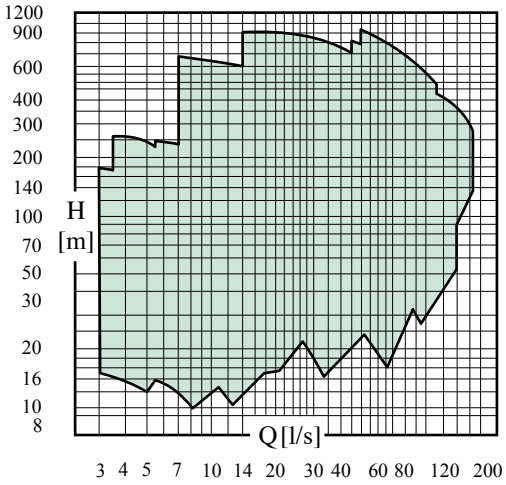
The new range of surface horizontal multi-stage pumps PMXT ENDURANCE series completely made of AISI316 stainless steel. Very thick bodies, the choice of high performing materials and the innovative technical solutions make the PMXT Endurance pumps unique on the market for their performance, robustness and reliability - typical characteristics of Caprari products. PMXT Endurance pumps are also available in full duplex and full superduplex metal for extreme industrial applications.

technical specifications

Capacity up to	l/s	160
Head up to	m	1000
Power up to	kW	650

ENDURANCE
+RESISTANCE +PERFORMANCE





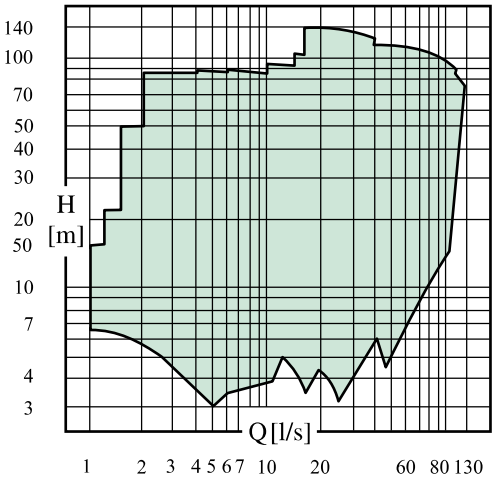
MEC A
Horizontal centrifugal single stage pumps

Horizontal centrifugal single stage pumps. Made with cast iron hydraulics and steel shaft. They can be coupled to both diesel engines and electric motors with 2 and 4 poles. Both packing and mechanical seals are available. A particularly versatile pump that is used in water supply, industrial, irrigation and fire-fighting applications.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).


Equipped with **EasyFit**

technical specifications

Capacity up to	l/s	130
Head up to	m	140
Power up to	kW	132



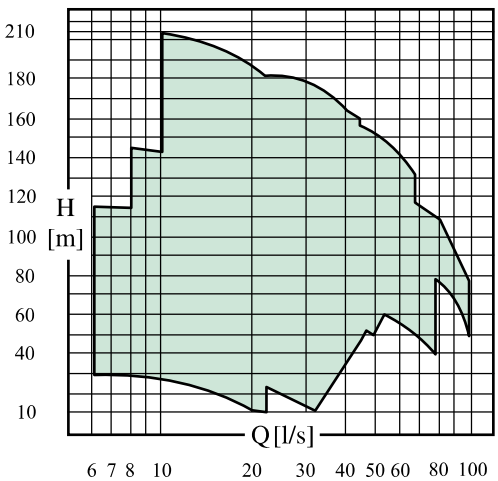
MEC MR
Horizontal centrifugal multistage pumps

Horizontal centrifugal multistage pumps. They can be coupled to both engines and electric motors with 2 and 4 poles. Both packing and mechanical seals are available. They are suited for use in different sectors such as water supply, industrial, irrigation and fire-fighting uses and for every requirement for raising clean water.


Equipped with **EasyFit**

technical specifications

Capacity up to	l/s	100
Head up to	m	210
Power up to	kW	132



MEC MG

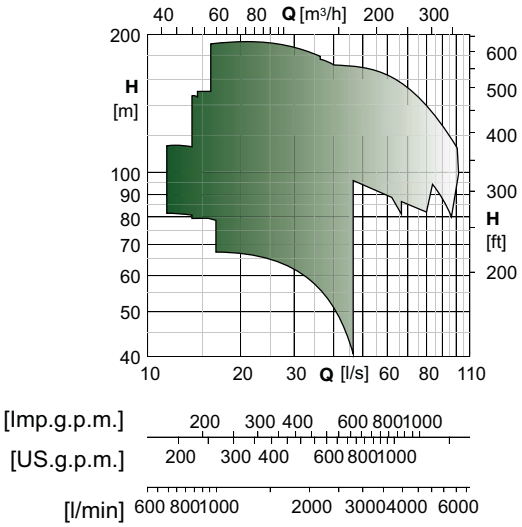
Flanged multistage centrifugal pumps

Horizontal centrifugal multistage pumps suitable to be flanged to diesel engines. Thanks to the compactness and sturdiness they are ideal for setting up motor pump assemblies for irrigation and fire-fighting.
The new MEC-MG HT series has been engineered to guarantee maximum reliability even when subjected to the high degree of mechanical stress produced by new generation diesel engines.

Equipped with
EasyFit

technical specifications

Capacity up to	l/s	100
Head up to	m	185
Power up to	kW	132



MEC AG

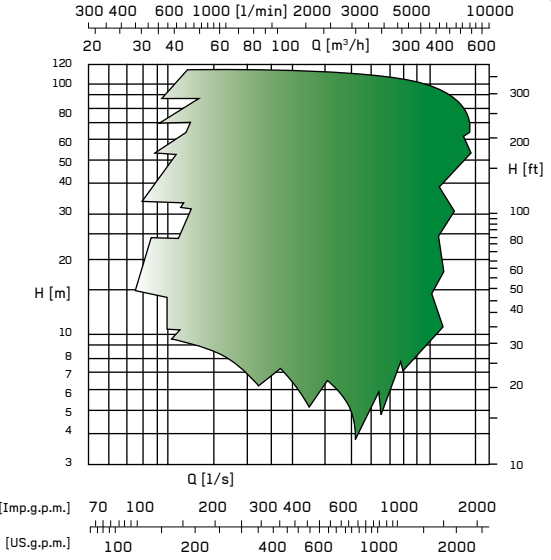
Horizontal single-stage flanged centrifugal

Horizontal single-stage flanged centrifugal pumps for direct coupling to endothermic engines. Such machines are used in pivot systems, anti-frost systems and fixed-nozzle systems.
They have been designed to ensure maximum reliability even when they are subjected to high mechanical stresses caused by the new generation diesel engines.
The MEC AG series machines are equipped with flange according to the SAE standard.

Equipped with
EasyFit

technical specifications

Capacity up to	l/s	130
Head up to	m	110

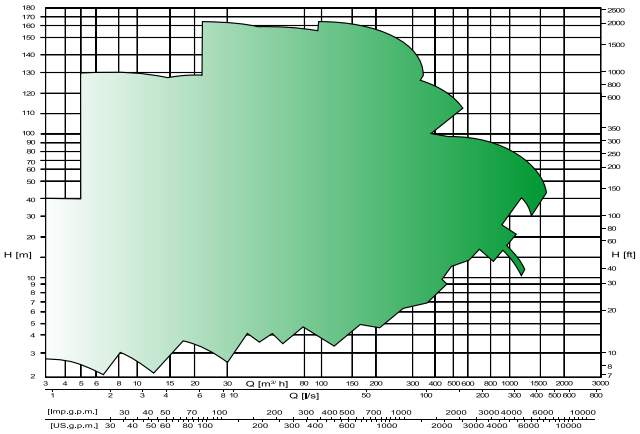


NC
Standardized horizontal single stage centrifugal pumps

Single-stage horizontal centrifugal pumps conforming to DIN 24255/EN 733 standards. They are used in heating and air-conditioning systems in refrigerator plants, water supply, industry, irrigation and fire-fighting units. Version with mechanical seal and cast iron or stainless steel impeller are available. Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications

Capacity up to	l/s	430
Head up to	m	160
Power up to	kW	355

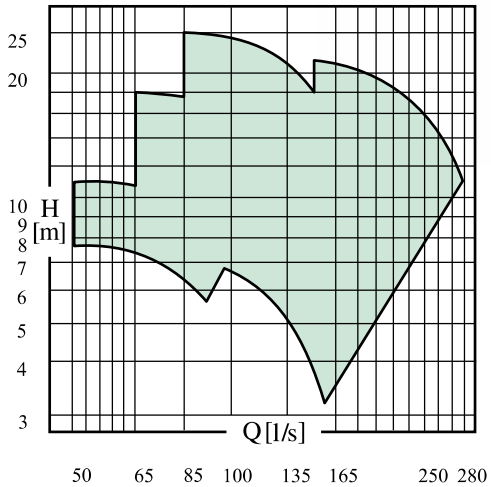


BHR
Horizontal single stage centrifugal pumps

Horizontal centrifugal single stage pumps. They can be coupled with both electric motors with 6 and 4 poles and diesel engines.
Pumps that deliver substantial flows find their application in irrigation, fish farming and industry in general.
Machines conform to 2009/125/EC Directive (EcoDesign - ErP).

technical specifications

Capacity up to	l/s	280
Head up to	m	25
Power up to	kW	37

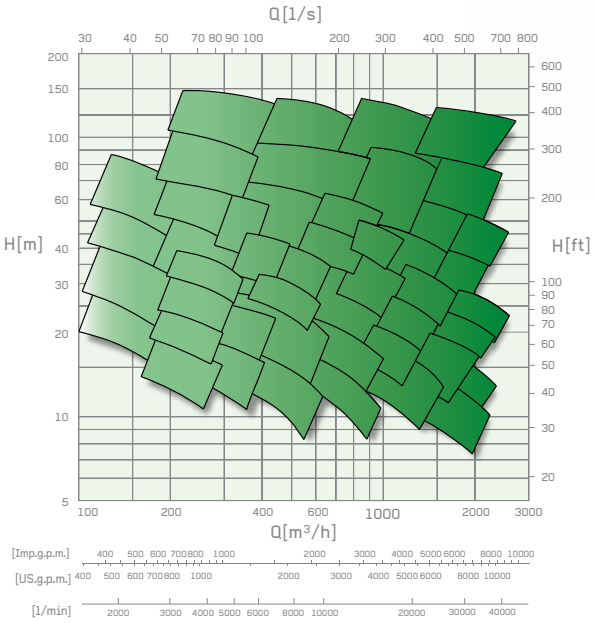


SCC
Split Case

Machines providing high efficiency and excellent reliability throughout their entire life cycle against very low running costs. Ideal for heavy duty applications and continuous service. Their robust and compact structure guarantees long-lasting performance with very low maintenance and great flexibility.

technical specifications

Capacity up to	l/s	780
Head up to	m	150
Power up to	kW	1120



PUMPING SET

The vast production range of single-stage and multistage pumps, the possibility of operation with an electric motor and the availability of special versions on request permit offering the optimal solutions, for each use, in terms of reliability, efficiency and operating economy.
Caprari presents pumping sets assembled with motors of first class production and high efficiencies.

For high-power motor applications, base frames are reinforced and equipped with a single system for precision motor handling.

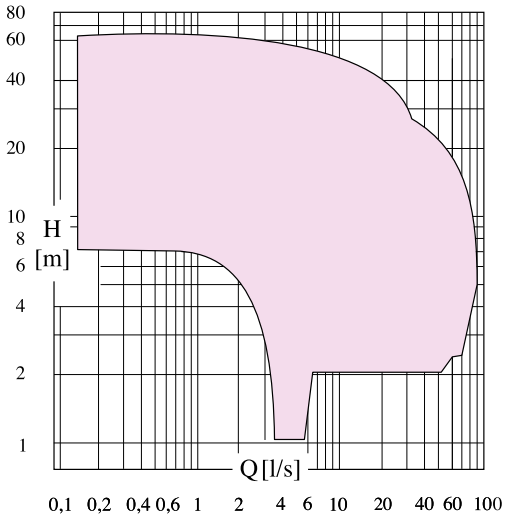
WASTEWATER TRANSPORT AND TREATMENT
Infrastructure
Water water
Industrial Applications
Heavy Duty Applications

D
Electric submersible pumps for drainage

Electric submersible pumps designed for raising drainage water, thanks to their handiness and sturdiness they are used for draining out excavations even under the harshest working conditions. Ideal for conveying clean or dirty water containing mud and sand, draining tanks and reservoirs, irrigating gardens and allotments.

technical specifications

Capacity up to	l/s	90
Head up to	m	60
Power up to	kW	22

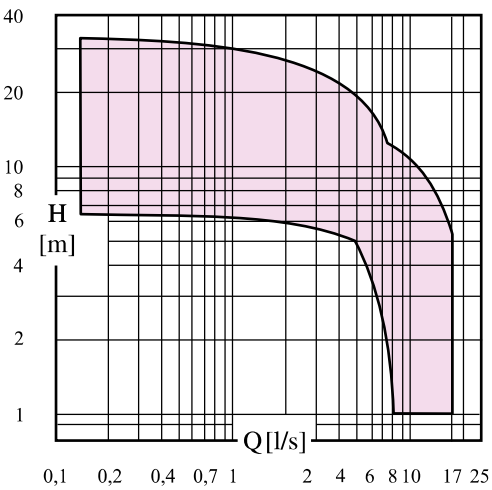


M and MAT
Electric submersible pumps for dirty water

Electric submersible pumps for dirty water suited for conveying sewage water with solid matter in suspension. The models in the MAT series are equipped with a shredder for residential and industrial drainage systems. Designed for high heads and small flows, they are the ideal solution to convey residential waste water in isolated areas far from the sewer mains.

technical specifications

Capacity up to	l/s	17
Head up to	m	34
Power up to	kW	2,2

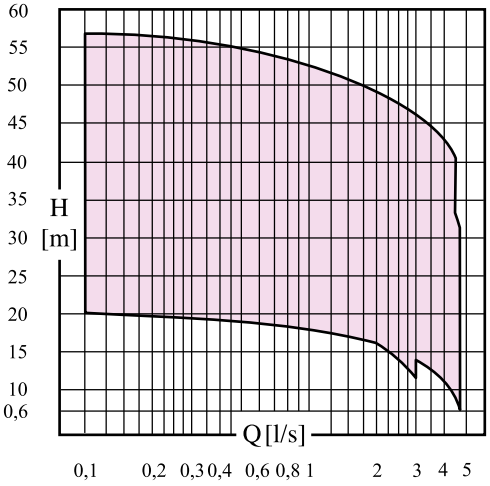


KT+
Electric submersible pumps with shredder
DN 40

Electric submersible pumps with shredder for waste water. Impellers with front clearance adjustment, hardened stainless steel shredder, high efficiency low temperature motors. Ideal for raising drainage water containing solid or fibrous matter from housing estates, single dwellings, campsites, hotels, service areas, supermarkets, farms, food preserve industries, paper industries and whenever solids in suspension must be shredded. Innovative technical solutions ensure peak hydraulic efficiency and performance with the greatest reliability. Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	4,7
Head up to	m	57
Power up to	kW	5,5



K+energy DRYWET SYSTEM

Sewage Electric submersible pumps

The new K+ Energy electric pumps are designed to ensure a premium efficiency thanks to motors in efficiency class comparable to IE3. The presence of the new “DryWet” cooling system, patented as standard in all the new Energy models, ensuring continuous operation in dry chambers. Reliability, robustness and duration features that have been distinguishing the K+ range for over thirty years remain unchanged.

technical specifications

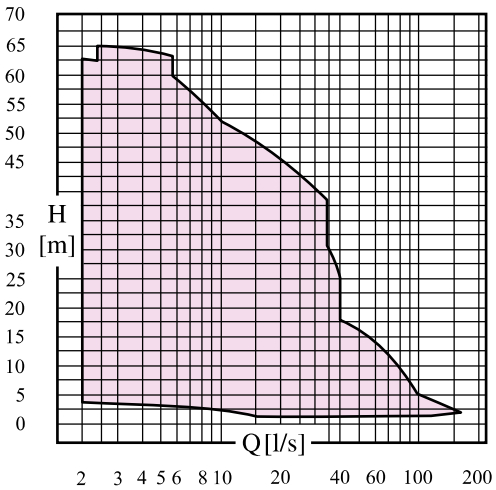
Capacity up to	l/s	40
Head up to	m	67
Power up to	kW	16,5

DRYWET SYSTEM

Caprari International Patent

INTERNATIONAL EFFICIENCY IE3 MOTOR

non stop K+



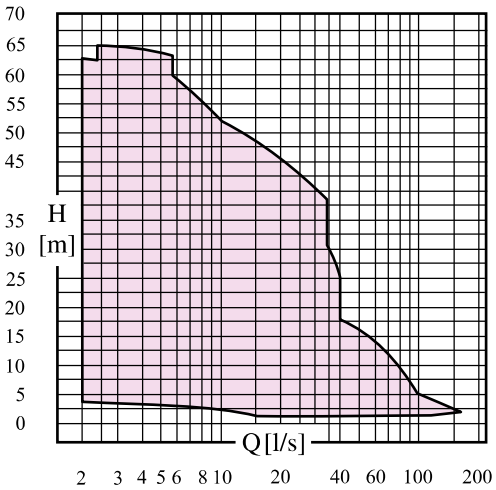
K+
Electric submersible pumps DN 65 ÷ 200

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and water treatment plants. Single-and double-channel hydraulics or with retracted open impeller, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection, oil chamber and conductivity probe.
High efficiency low temperature motors, for use in a dry chamber too. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems. Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	160
Head up to	m	65
Power up to	kW	15

non stop K+



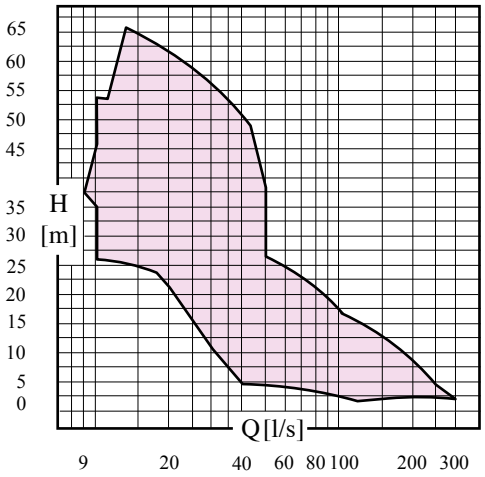
K+
Electric submersible pumps DN 100 ÷ 250

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.
Single- and multi-channel hydraulics or with retracted open impeller, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber.
A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial treatment systems.
Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	300
Head up to	m	66
Power up to	kW	32

non stop K+



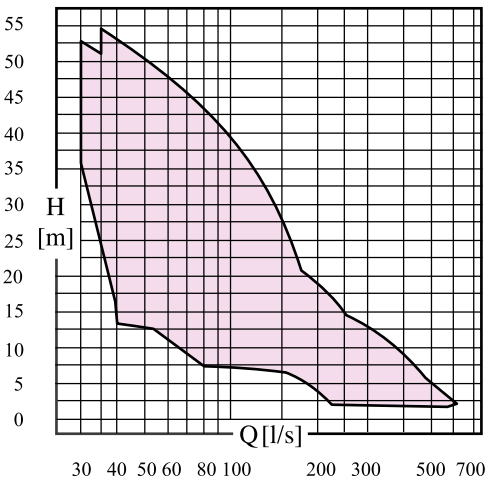
K+
Electric submersible pumps DN 150 ÷ 350

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.
Single- and multi-channel hydraulics, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems.
Available also in explosion proof version conforming to ATEX II 2G Exd IIB T4.

technical specifications

Capacity up to	l/s	600
Head up to	m	55
Power up to	kW	62

non stop K+



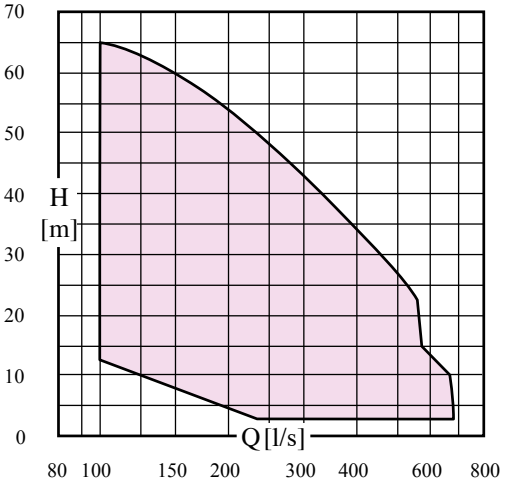
K+
Electric submersible pumps DN 250 ÷ 350

High-efficiency electric submersible pumps for raising waste water. Expressly designed for pumping residential and industrial waste, in drainage lifting stations and treatment plants.
Single- and multi-channel hydraulics, ideal to convey liquids with high concentrations of solids. Impellers with anti-clogging device, double mechanical seal for motor protection with oil chamber and conductivity probe. High efficiency motors, also with forced cooling system for use in a dry chamber. A modern and professional range to ensure the best results in cutting running and maintenance costs in residential and industrial systems.

technical specifications

Capacity up to	l/s	710
Head up to	m	65
Power up to	kW	180

non stop K+



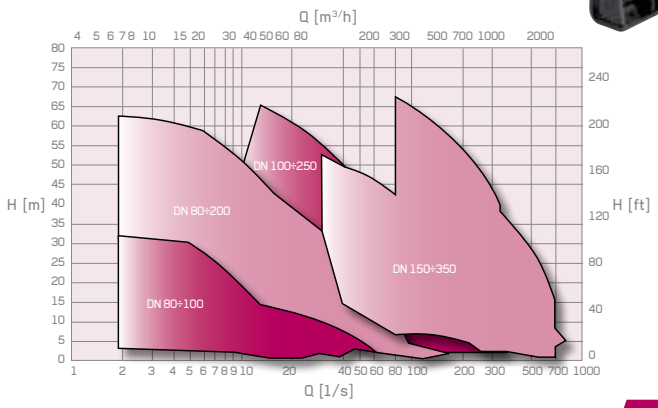
K - KOMPACT
Dry installed sewage electric pumps

Innovative series of surface monobloc electric pumps, in horizontal or vertical version, for pumping residential and industrial waste water, coupled with standard electric motors. Compact, reliable, versatile, with easy maintenance and installation in dry chambers. Equipped with retracted vortex high-efficiency hydraulics, single-channel or double-channel impeller. Supplied as standard with double mechanical seal on the shaft, barrier oil chamber and conductivity probe.
High energy efficiency motors.

technical specifications

Capacity up to	l/s	750
Head up to	m	65
Power up to	kW	200
Poles		4-6-8

non stop K+



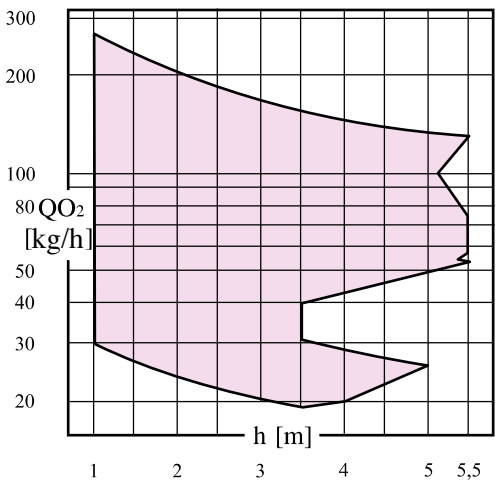
HIGH FLOW RANGE

OXY FLOW
Aeration assembly

Aeration assembly for processes of oxygenation and homogenization in treatment plants for residential, industrial and livestock farming waste water, in fish farming and aerated ponds. Ideal for rainwater collection basins too. Compact and simple to install, they are suitable for use in tanks of any shape and size.

technical specifications

O_2 output up to	kg/h	280
Water head up to	m	5,5
Power up to	kW	25



AERATION SYSTEMS

The fine bubble diffusers are the Caprari solution for the high-efficiency aeration.
Formed by the line of pipes with the diffusers installed on it, the aeration unit creates a network that covers the entire area where oxygenation is required.
Concentrations and a balanced mixture of dissolved oxygen are obtained throughout the tank by evenly distributed diffusers.
They are available:
- disc diffusers
- tubular diffusers
- coarse bubble disc diffusers

technical specifications

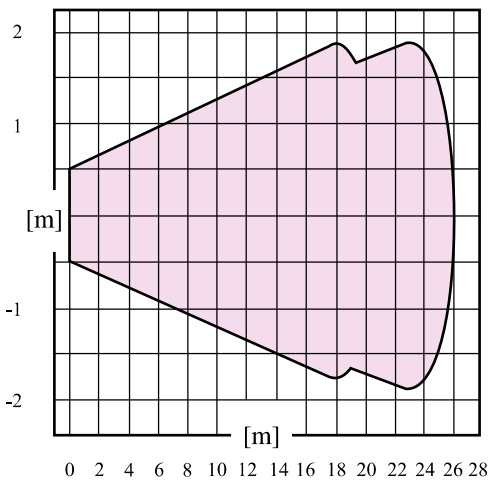
		AFD270 9”	AFD350 12”
Recommended flow rate	Sm^3/h	2,5-5,0	4,2-8,3
Flow range	Sm^3/h	0-12	0-20
Active surface area	m^2	0,0375	0,065
Slit quantity		6.600	10.155

CMD (4-6 poles)
Horizontal submersible mixers with direct drive

Horizontal submersible mixers with direct drive. For applications in nitrification/denitrification, sludge treatment and storage, disinfection tanks and industrial mixing. Available with cast-iron construction and stainless steel propeller or in totally stainless steel version - AISI 316. Galvanic separation system for standard components providing effective protection against corrosion.

technical specifications

Capacity up to	l/s	316
Axial thrust	N	429
Power up to	kW	3

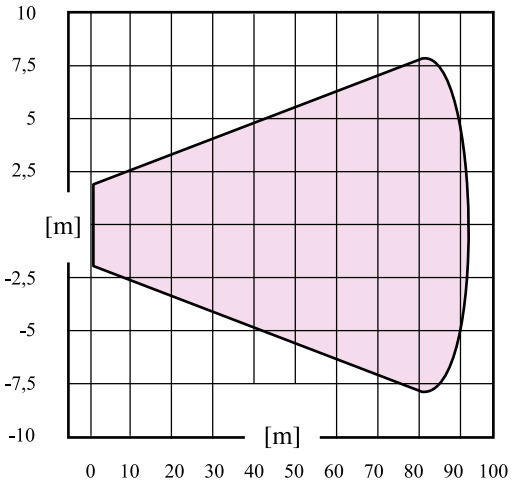


CMR
Horizontal submersible mixers with epicyclical gear

Horizontal submersible mixers with epicyclical gear between electric motor and propeller. For applications in nitrification/ denitrification, sludge treatment and storage, disinfection tanks and industrial mixing. Galvanic separation system for standard components providing effective protection against corrosion. Available also in explosion proof version conforming to ATEX II 2G Ex d IIB T5 Gb.

technical specifications

Capacity up to	l/s	1860
Axial thrust	N	3725
Power up to	kW	18,5

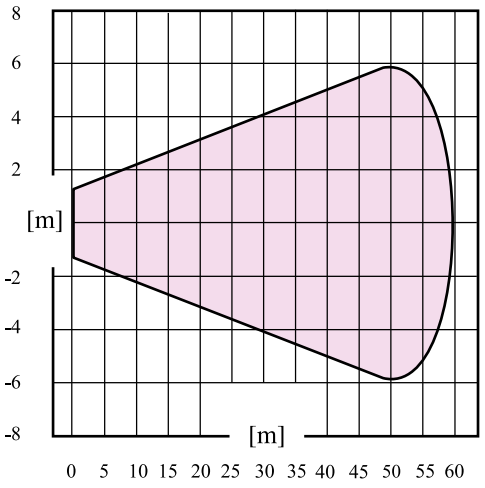


CMB
Horizontal submersible flow accelerators with epicyclical gear

Flow accelerators for applications in nitrification/denitrification tanks, disinfection and industrial mixing. Propeller with self-cleaning blades made of a composite material with high hydraulic efficiency. Galvanic separation system for standard components providing effective protection against corrosion.

technical specifications

Capacity up to	l/s	4890
Axial thrust	N	2900
Power up to	kW	4



PUMP CONTROL TECHNOLOGY
Agricolture
Water Industrial
Applications
Heavy Duty Applications

UNIVERSAL REMOTE MANAGEMENT
Remote data management

URM, Universal Remote Management, is a complete supervisory and telecontrol system that has been specially created for fluid management and treatment.
It allows the operating data of all the devices in a complex water supply system to be monitored, controlled and acquired.
Optimization of the networks and systems with consequent energy and water savings.
Thanks to its open architecture, URM can function with all protocols and can be easily installed in existing SCADA systems.

technical specifications

Centraline URM versatili, modulari, espandibili per le più svariate esigenze

ELECTRIC PANELS
Control and Monitoring

Control and protection panels for electric pumps and motors (single and threephase).
Constant pressure panels with microprocessors for one or several electric pumps, multifunction, for all installations that need pioneering systems for a sophisticated control.

technical specifications

VSD
Frequency converter

Thanks to a vast range of standard and optional functions, the VLT® AQUA Drive frequency converter helps to cut down on the running costs of water treatment systems by regulating the start-up speed of the machines. This prevents the flow rate from fluctuating, allowing the pressure to be kept under precise control, avoiding pressure surges
- and reducing leaks
- energy saving
- smaller sized installations
- water pumping and treatment
- fast installation
- built-in RFI filters

technical specifications		
Power supply voltage	V	200 - 690 ± 10%
Frequency	Hz	50 e 60
Temperatures up to		50°C

VSD
Frequency converter

Cap**DRIVE**

Cap**DRIVE** is a device that monitors and protects the pumping system, based on the pump frequency variation. Its external structure is extremely sturdy, easily cooled and small in size; it can be installed straight on to the motor's fan cover using special clips (without adding to the lateral dimension) or can be fixed to a wall with a steel bracket. Cap**DRIVE** can monitor one or two fixed-speed pumps (Direct On Line); other devices can also be connected to Cap**DRIVE** so as to create combined operating modes (up to 8 pumps in parallel). Configuration for **Bluetooth** connection.

MG1 - MG2
Control monitoring and protection device for electric motors

Motor**G**uard

This control, monitoring and protection device ensures that Caprari electric motors operate in the best possible way.
Motor**G**uard can be easily installed in the control panel and guarantees:
- lower consumption
- a more reliable installation
- longer pump life

digital services

Caprari has created and provides the most advanced ICT tools so as to help its partners in the most effective way and obtain measurable results. Caprari offers iPump®, a comprehensive, userfriendly portal dedicated to the professional stakeholders operating in the integrated water cycle.
iPump is a CAPRARI idea and trademark and always available and updated web based digital information (24h) a time saving tool.

PumpTutor NG NEXT GENERATION

Innovative on-line software designed by CAPRARI for selection, configuration and quotation.

PumpDraw

CAPRARI environment to visualize and download digital files related to CAPRARI products:2D and 3D.

Pumpeducator

Caprari advanced multimedia application, for technical and sales staff training.

PumpGraph

Module allowing to display and print product technical curves, dimensional specifications and test reports.

PumpLiterature

Exclusive platform for the on-line consultation of all technical documents

SparesTutor

Environment allowing to consult the spare parts catalogue, all aftersales documents and create orders.

OUR NEW APP
iPumpMobile

iPumpMobile is an application providing Caprari solutions in a simple and intuitive way: advantages, applications, specific techniques and updated documents, always at hand's reach.
Once the App and its contents have been downloaded, they may also be used off-line without having to connect to the Internet. Moreover, information may be sent by e-mail, printed and stored.
iPumpMobile is a free App and a smart alternative to paper documents and the Caprari website.

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