

An ISO 9001, ISO 14001 & OHSAS 18001 Company



**C.R.I. PUMPS**

Pumping trust. Worldwide.



**WASTE WATER  
SUBMERSIBLE  
PUMPS**



## THE CHANGE AGENT

Powered by technology and the spirit of innovation, C.R.I. has always set the benchmark when it comes to quality and performance. C.R.I. has what it takes experience, expertise, commitment and a clear vision to be a precursor of change, an innovator of new technologies and a standard bearer for quality.

Today, C.R.I. is a multi-winged organization that produces different varieties of pumps and motors that are engineered to perfection. The name C.R.I. itself encapsulates the company's ethos: "Commitment, Reliability, Innovation" and it has now become a household name associated with pumping solutions.

## THE DAWN

The C.R.I. success story began in the year 1961 with the manufacture of irrigation equipment at an in-house foundry with very limited facilities. There has been no looking back since then. Today, C.R.I. is one of the leading names in the manufacture of pumping systems globally with the vision and the capability to be counted as one among the top global pump companies.

With its comprehensive range of products over 2300 models C.R.I. is catering to diverse customer profiles including Residential, Agriculture, Industries, Building services, General Water supply, Mining, Oil & Gas, Sewage & Waste Water and Coal Bed Methane applications.



## QUALITY KNOWS NO BOUNDRIES

C.R.I.'s unwavering determination had made us a strong presence in more than 120 countries. With a solid production capacity of over 3 million pumps per annum C.R.I. has been rated as one among the best brands worldwide. Besides in recognition of its pioneering efforts and contribution to the cause of progress and quality C.R.I. has been honored with many prestigious awards including: Export Excellence Award for 12 times since 2003. The ISO 9001, 14001 and OHSAS 18001 certified company, spanning across 300,000 sq.mtr. covered area, has a strong R & D wing recognised by Ministry of science & technology which is one of the best in the world and are equipped with the latest in technology for research and design. C.R.I. constantly upgrades the product features to match with the ever changing market trend & customer needs.





**EEPCINDIA**  
ENGINEERING THE FUTURE  
STAR PERFORMER FOR 2009 - 2010  
M/s. **C.R.J. Pumps (Pvt) Limited**  
Coimbatore  
Group : Pumps, Compressors, Hydraulic and Pneumatic Power Engines and Parts  
Large Enterprise



## VISION, MISSION AND VALUES

To be the industry leader providing best-in-class liquid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of commitment, reliability and innovation.

## RECOGNITIONS OF MERIT

C.R.I.'s dream never ends with laurels and adulations. We are on an unending mission to upgrade and innovate concepts and solutions for a much better living, where sophistication, quality and reliability reach higher altitudes. Our each action is inspired by truly good intentions. No wonder why several prestigious awards decorate our shelves.

## WELL CONNECTED

- | Manufacturing companies in 11 countries
- | 5000 plus channel Partners
- | More than 1500 Authorized Service Centers
- | Sold in more than 120 Countries





## INVESTMENT IS A COMMITMENT

The infrastructure defines the company and its quality. No other reason we have to highlight for installing sophisticated pieces of equipment inside an up-to-the-minute state-of-the-art ambience. As the proof of our long term planning, this investment with an unambiguous foresight continues to drive up productivity, drives down costs, enables communications, meets consumer needs and keeps our growth upward and healthy. This makes us the leader in the pump industry.



## ROBOTICS

### METAL MEETS METTLE

With a production capacity of over 16000 metric tons per annum, our state-of-the-art steel foundry ensures the availability of first-rate castings to meet our requirements. And this results in inner quality products from C.R.I.





- SUBMERSIBLE PUMPS VORTEX IMPELLER
- ELETTROPOMPE SOMMERGIBILI GIRANTE VORTEX
- ПОГРУЖНЫЕ ЭЛЕКТРОНАСОСЫ С ВИХРЕВЫМ РАБОЧЕЕ КОЛЕСО
- ELECTROPOMPES SUBMERSIBLES ROUE VORTEX
- BOMBAS SUMERGIBLES TURBINA VORTEX
- BOMBAS ELÉCTRICAS SUBMÉRGIÍVEIS GIRATÓRIA AVÓRTICE



**G Series** Page 20 - 53

**G Series** 0.5 - 5.5 kW     **G Series** 1.2 - 48 kW

- DISCHARGE SIZE
- MANDATA
- ВЫХОДНОЕ ОТВЕРСТИЕ
- DIAM. REFOULEMENT
- DIÁMETRO IMPULSIÓN
- DIÁMETRO BOCA

**1 1/2 - 2 1/2**     **DN 65-100**  
**DN 50-65**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**1-28 l/s**     **4-608 l/s**

- SUBMERSIBLE PUMPS GRINDER
- ELETTROPOMPE SOMMERGIBILI TRITURATRICE
- ПОГРУЖНЫЕ ЭЛЕКТРОНАСОСЫ СИЗМЕЛЬЧИТЕЛЕМ
- ELECTROPOMPES SUBMERSIBLES AVEC DILACÉRATEUR
- BOMBAS SUMERGIBLES TURBINA CON TRITURADOR
- BOMBAS ELÉCTRICAS SUBMÉRGIÍVEIS COM SISTEMA TRITURADOR



**GT Series** Page 54 - 63

**Gt Series** 0.75 - 9.5 kW

- DISCHARGE SIZE
- MANDATA
- ВЫХОДНОЕ ОТВЕРСТИЕ
- DIAM. REFOULEMENT
- DIÁMETRO IMPULSIÓN
- DIÁMETRO BOCA

**1 1/2 - DN 50**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**GT1** 4.5 l/s  
**RS1** 11 l/s

- SUBMERSIBLE PUMP SINGLE CHANNEL IMPELLER
- ELETTROPOMPE SOMMERGIBILI GIRANTE MONOCANALE
- ПОГРУЖНЫЕ ЭЛЕКТРОНАСОСЫ СО ДНОКАНАЛЬНЫМ РАБОЧИМ
- ELECTROPOMPES SUBMERSIBLES ROUE MONOCANAL
- BOMBAS SUMERGIBLES TURBINA MONOCANAL
- BOMBAS ELÉCTRICAS SUBMÉRGIÍVEIS GIRATÓRIA MONO-CANAL



**MC Series** Page 64 - 77

**MC-3"** 1 - 5.5 kW     **MC-3"-4"-6"** 1.25 - 34 kW

- DISCHARGE SIZE
- MANDATA
- ВЫХОДНОЕ ОТВЕРСТИЕ
- DIAM. REFOULEMENT
- DIÁMETRO IMPULSIÓN
- DIÁMETRO BOCA

**DN 80**     **DN 80-100-150**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**3-22 l/s**     **5-140 l/s**

- SUBMERSIBLE PUMP MULTI-CHANNEL IMPELLER
- ELETTROPOMPE SOMMERGIBILI GIRANTE BICANALE
- ПОГРУЖНЫЕ ЭЛЕКТРОНАСОСЫ С ДВУХКАНАЛЬНЫМ РАБОЧИМ КОЛЕСОМ
- ELECTROPOMPES SUBMERSIBLES
- BOMBAS SUMERGIBLES
- BOMBAS ELÉCTRICAS SUBMÉRGIÍVEIS



**KC Series** Page 78 - 91

**KC** 10.5 - 185 kW

- DISCHARGE SIZE
- MANDATA
- ВЫХОДНОЕ ОТВЕРСТИЕ
- DIAM. REFOULEMENT
- DIÁMETRO IMPULSIÓN
- DIÁMETRO BOCA

**DN 150-200-250-300-400**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**20-700 l/s**

- SUBMERSIBLE PUMPS  
SINGLE CHANNEL  
IMPELLER
- ELETTRROPOMPE  
SOMMERGIBILI  
GIRANTE  
MONOCANALE
- ПОГРУЖНЫЕ  
ЭЛЕКТРОНАСОСЫ  
СОДНОКАНАЛЬНЫМ  
РАБОЧИМ
- ELECTROPOMPES  
SUBMERSIBLES  
ROUE MONOCANAL
- BOMBAS  
SUMERGIBLES  
TURBINA  
MONOCANAL
- BOMBAS ELÉCTRICAS  
SUBMERSÍVEIS  
GIRATÓRIA  
MONO-CANAL



## MA Series

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### MA

**0.6 - 2.6 kW**

- DISCHARGE SIZE
- MANDATA
- ВЫХОДНОЕ ОТВЕРСТИЕ
- DIAM. REFOULEMENT
- DIÁMETRO IMPULSIÓN
- DIÁMETRO BOCA

**DN 50**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**2-56 l/s**

- SUBMERSIBLE  
AGITATORS  
AND MIXERS
- AGITATORIE  
MISCELATORI  
SOMMERGIBILI
- ПОГРУЖНЫЕ  
ПЕРЕМЕШИВАТЕЛИ
- AGITATEURS  
ET MÉLANGEURS  
SUBMERSIBLES
- AGITADORES  
Y MEZCLADORES  
SUMERGIBLES
- AGITADORES  
EMISTURADORES  
SUBMERSÍVEIS



## AG Series

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### AG

**0.8 - 22 kW**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**1.5-10 m**

- SUBMERSIBLE  
AGITATORS  
AND MIXERS
- AGITATORIE  
MISCELATORI  
SOMMERGIBILI
- ПОГРУЖНЫЕ  
ПЕРЕМЕШИВАТЕЛИ
- AGITATEURS  
ET MÉLANGEURS  
SUBMERSIBLES
- AGITADORES  
Y MEZCLADORES  
SUMERGIBLES
- AGITADORES  
EMISTURADORES  
SUBMERSÍVEIS



## MD Series TP Series

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### MD

**0.8 - 18.5 kW**

- FLOW
- PORTATA
- ПРОИЗВОДИТЕЛЬНОСТЬ
- DÉBIT
- CAUDAL
- CAPACIDADE

**320-6702 m³/h**

## Accessories

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## Applications

The choice of suitable impeller is critical for safe and economic operation of lifting equipment. The shape of the impeller to choose depends on the type of fluid to convey, by size and by the amount of solids contained in it and from the viscosity.

## Применение

Выбор подходящего рабочего колеса имеет решающее значение для безопасной и экономичной работы насоса. Выбор формы рабочего колеса зависит от типа перекачиваемой жидкости, наличия твердых веществ, их размера, количества, а также вязкости жидкости.

## Aplicaciones

La elección del propulsor adecuado es fundamental para la operación segura y económica de aparatos de elevación. La forma del rodete a elegir depende del tipo de líquido para transmitir, por tamaño y por la cantidad de sólidos contenidas en ella y la viscosidad.

## Applicazioni

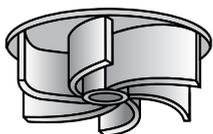
La scelta della girante adatta è fondamentale per un funzionamento economico e sicuro dell'impianto di sollevamento. La forma della girante da scegliere dipende dal tipo di liquido da convogliare, dalla grandezza e dalla quantità di corpi solidi in esso contenuti e dalla viscosità.

## Applications

Le choix de la roue appropriée est essentiel pour l'opération sûre et économique de l'équipement de levage. La forme de la roue à choisir dépend du type de fluide à transmettre, par la grandeur et la quantité des matières solides contenues dans elle et de la viscosité.

## Aplicações

A escolha do impulsor adequada é fundamental para o funcionamento econômico e seguro da instalação de bombeamento. A forma do impulsor a ser escolhido depende do tipo de líquido a ser bombeado, do tamanho e da quantidade dos corpos sólidos nele contidos e da sua viscosidade.



**Vortex:** vortex impeller suitable for lifting of sewage liquids, civil waste and industrial water containing solids and viscous materials, heavy muds raw or fermented sludge.  
Applications: urban sewage plants, lifting water plants.  
Feature: High head - High performance - Wide free passage

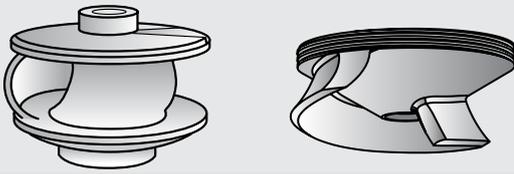
**Вихревое:** Насосы с вихревым рабочим колесом (типа VORTEX) подходят для подъема канализационных и сточных вод промышленного и гражданского назначения, с содержанием твердых частиц, вязкой грязи и биологически активного осадка.  
Применение: канализационные системы, перекачивание жидкостей.  
Высокий напор - высокая производительность - большой свободный проход.

**Vortex:** turbina vortex para bombeo de, aguas residuales e industriales que contienen sólidos en suspensión fangos pesados y fangos activos fermentados  
Altas prevalencia alta eficiencia grandes pasos libres

**Vortex:** girante a vortice per sollevamento acque di fogia e industriale contenenti solidi in sospensione e viscosi, fanghi pesanti grezzi fermentati, fanghi attivi.  
Impieghi: impianti di fogia, impianti di sollevamento.  
Alta prevalenza - Alto rendimento - Ampio passaggio libero

**Vortex:** roue vortex pour le levage de eaux usées civiles et industrielles contenant des matières solides en suspension et visqueuses, boues brutes fermentées et boues activées  
Applications: systèmes d'égouts, équipement de levage.  
Haute élévation, haut rendement - Grand passage libre

**Vortex:** giratória vortex para levantamento das águas de esgoto, águas de descarga e industriais que contenham sólidos em suspensão e líquidos viscosos, lamas pesadas não tratadas ou fermentadas, lamas ativadas.  
Usos: redes de esgotos, instalações de levantamento.  
Potência elevada - Alto rendimento - Amplo orifício de passagem



**Single-Channel:** Non-Clog Single channel impeller with large free passages. High hydraulic efficiency, resistance to wear and low mechanical action on pumped liquid make this pump series particularly suitable for treatment of rain water, sewage water containing solids, fibrous and abrasive liquid, active and industrial sludge.  
Applications: sewage stations and industrial treatment plants

**Одноканальное Рабочее Колесо:** благодаря сферической форме нет засорения крыльчатки, имеет большой свободный проход. Высокая гидравлическая эффективность, устойчивость к износу и низкое механическое воздействие со стороны перекачиваемой жидкости делают насосы этой серии особенно подходящими для подъема дождевой воды с содержанием смешанных и твердых частиц, с абразивными и волокнистыми включениями.  
Применение: водоочистные станции, установки очистки воды.

**Monocanal:** turbinamonocanalanti-bloqueo debido a los pasos esféricos grandes. La alta eficiencia hidráulica, la resistencia contra el desgaste y la acción mecánica bajo en el líquido bombeado hacen las bombas son particularmente adecuados para la elevación del agua de lluvia, y residuos mezclados que contienen sólidos, fibras abrasivas, lodos activados e industriales.  
Aplicaciones: plantas de tratamiento y tratamiento de aguas industriales.



**Multi-Channel:** closed multi-channel impeller resistant to wear and suitable for lifting of rain water, mixed liquids and wastewater without gas, solids and fibrous materials.  
Applications: civil and industrial applications, sewage lifting plants, treatment water plants.

**Многоканальное Рабочее Колесо:** насосы с закрытым многоканальным износоустойчивым рабочим колесом являются подходящими для подъема дождевой воды, смешанных жидкостей и сточных вод без твердых частиц и волокнистых включений.  
Применение: на гражданских и промышленных объектах, канализационные станции, установки для очистки воды.

**Multicanal:** turbinaserradamulticanalresistente al desgaste para bombear aguas limpias o cargadas sin presencia de cuerpos o sólidos.  
Aplicaciones: instalaciones civiles e industriales, estaciones de bombeo de aguas residuales, plantas de tratamiento de aguas y filtradas.

**Monocanale:** girante monocanale anti-intasamento grazie ai larghi passaggi sferici. L'elevatore a rendimento idraulico, la resistenza contro l'usura e la bassa azione meccanica sul liquido pompato rendono le pompe di questa serie particolarmente adatte per il sollevamento di acque piovane, miste e di scarico contenenti solidi, fibre abrasive, fanghi e rifiuti industriali.  
Impieghi: impianti di depurazione, e trattamento acque industriali.

**Monocanal:** roue monocanal anti-colmatage dû à les grandes passages sphériques. L'haute rendement hydraulique, la résistance contre l'usure et la faible action mécanique sur le liquide pompé font des pompes particulièrement appropriées pour la levée de l'eau de pluie, et les déchets mélangés contenant des solides, des fibres abrasives, boues activées et industriels.  
Applications: stations d'épuration, et traitement des eaux industrielles.

**Monocanal:** giratório monocanal anti-entupimento, graças a largos orifícios esféricos. O elevado rendimento hidráulico e a resistência contra o desgaste e a baixa ação mecânica do líquido bombeado tornam as bombas desta série especialmente indicadas para o levantamento de águas pluviais, mistas e de descarga que contenham sólidos, fibras abrasivas, lamas e resíduos industriais.  
Usos: instalações de depuração e tratamento de águas industriais.

**Bicanale:** girante chiusa multicanale resistente all'usura è adatta al sollevamento di acque piovane, miste e di scarico esente da gas, corpi solidi e fibrosi.  
Impieghi: installazioni civili e industriali, stazioni di sollevamento fognario, impianti di depurazione e trattamento acque grigiate.

**ACaneaux:** roue fermée multicanal résistante à l'usure est appropriée pour soulever l'eau de pluie, mixte et libre de gaz d'échappement, et des matières solides et fibreuses.  
Applications: installations civiles et industrielles, stations de pompage de eaux usées, usines de traitement de eaux grillées.

**Bicanal:** giratório fechadomulticanalresistente aodesgaste, adequado para o levantamento de águas pluviais, mistas e de descarga isentas de gás, corpos sólidos e fibrosos.  
Usos: instalações civis e industriais, estações de levantamento de esgoto, instalações de depuração e tratamento de águas filtradas.



**Cutting Device:** cutting device suitable to reduce into little pieces solids contained into liquids. This device permit the use of small pipes without risk of clogging. Either the fixed part and the movable are built in a special stainless steel.  
Applications: food industry, textile and agricultural irrigation

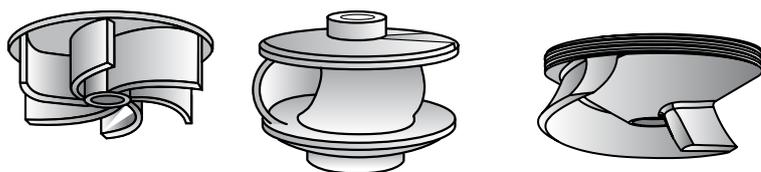
**Режущий Механизм:** насосы с режущим устройством предназначены для измельчения твердых частиц и длинноволокнистых включений в жидкостях. Это позволяет использовать для перекачивания жидкости трубы малых диаметров без риска их засорения. Неподвижная и вращающаяся части выполнены из нержавеющей стали.  
Применение: пищевая промышленность, текстильная промышленность и сельскохозяйственные ирригационные системы.

**Triturador:** grupo triturador para reducir piezas en pedazos muy pequeños sólidos en suspensión. Esto permite el uso de tubos pequeños sin el riesgo de obstrucción. Sistema triturador en acero inoxidable tratado.  
Aplicaciones: industria de alimentos, textiles y sistemas de riego agrícola

**Trituratore:** dispositivo di triturazione atto a ridurre in parti molto piccole solidi in sospensione. Questo permette l'uso di piccole tubazioni senza rischi di intasamento. Sia la parte fissa che quella mobile sono costruite con uno speciale acciaio inossidabile.  
Impieghi: industria alimentare, tessile e impianti di irrigazione agricola

**Dilacérateur:** Dispositif de broyage approprié pour réduire en particules très petites matières solides en suspension. Ce qui permet l'utilisation de petits tubes sans risque de colmatage. Tant la partie fixe que la mobile sont faites d'un acier inoxydable spécial.  
Applications: industrie alimentaire, textile et systèmes d'irrigation agricole.

**Triturador:** dispositivo de trituração apto a reduzir em partes muito pequenas os sólidos em suspensão. Isso permite o uso de pequenas tubulações, sem o risco de entupimento. Tanto a parte fixa quanto a parte móvel são feitas de aço inoxidável especial.  
Usos: indústria alimentar, têxtil e instalações de irrigação agrícola



**Agitators:** The turbulence created by the agitator prevents the formation of incrustations on the surface of the water and remove any build-up deposited at the bottom  
Applications: Wells and rainwater collection basins

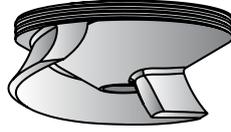
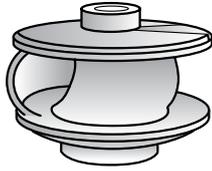
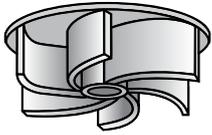
**Мешалки:** Турбулентность, созданная «шейкером», предотвращает образование корки на поверхности воды и удаляет любые отложения на дне.  
Применение: в колодцах и бассейнах для сбора дождевой воды

**Agitadores:** La turbulencia creada por el agitador impide la formación de incrustaciones sobre la superficie del agua y elimina cualquier acumulación depositada.  
Aplicaciones: pozos y captaciones de agua de lluvia

**Agitatori:** la turbolenza creata dall'agitatore miscelatore, previene la formazione di incrostazioni sulla superficie dell'acqua e rimuove eventuali accumuli depositati.  
Impieghi: pozze e bacini di raccolta acque piovane

**Agitateurs:** La turbulence créée par l'agitateur, prévient la formation d'incrustations sur la surface de l'eau et ôte éventuels cumuls déposés.  
Applications: Puits et bassins de collecte des eaux de pluie

**Agitadores:** a turbulência criada pelo agitador e misturador previne a formação de encrustações sobre a superfície da água e remove eventuais acumulados depositados.  
Usos: poços e bacias de coleta de água pluvial, para evitar o acúmulo de sólidos no fundo.



## Monobloc: Vortex - Single Channel-Spiral

Cleaning and water treatment, pumping stations, denitriication-nitriication, mudscirculation. Textile, paper, metallurgic, mechanics, store, food, sugar, breed, ceramic industry.

## Моноблок: Вихревой Одноканальный - Спиральный

Применение: очистка жидкостей в водоочистных установках, насосные станции, денитрификация-нитрификация, рециркуляции ил и осадков. Промышленность: текстильная, металлургическая, бумажная, пищевая (сахар, хлебобулочные изделия), керамическая.

## Monobloc: Vortex - Monocanal - Espiral

Alcantarillado/tratamiento de aguas, manejo de líquidos en las plantas de tratamiento de aguas, estaciones de bombeo en la nitrificación-desnitrificación, recirculación de lodos, etc. Industria: Textil - papel - acero - mecánica - conservas - azúcar en los alimentos de las granjas - cerámica

## Monoblocco: Vortex - Monocanale-Spirale

Depurazione/trattamento acqua, movimentazione di liquidi in impianti di trattamento delle acque, in stazioni di pompaggio-denitriicazione-nitriicazione, ricircolo fanghi ecc. Industria: tessile-cartaria-siderurgica-meccanica-conserviera-alimentare-zuccheri-icci-allevamenti-ceramica ecc.

## Monobloc: Vortex - Monocanal - Spiral

Traitement des eaux usées et des liquides dans les usines de traitement d'eau, stations de pompage, nitrification-dénitriication, la recirculation des boues, etc. Secteur: Textile-papier-acier-mécanique-lamisation conserve-l'alimentation-sucre-fermes-céramique

## Monoblocco: Vortex - Monocanal - Espiral

Depuração/tratamento de água, movimentação de líquidos em instalação de tratamento de água, em estações de bombeamento-desnitrificação-nitriificação, recirculação de lamas, etc. Indústria: têxtil - do papel - siderúrgica - mecânica - de conservação-alimentar-reinarias de açúcar-criação de animais-cerâmica, etc.



## Mixers

Propeller: Three-blades propeller for mixing and suspension of all types of liquids and sludge.

Applications: mixing up and handling of liquids with suspended solids, mixtures of high viscosity liquids, chemical industry

## Смесители

Трилопастивинта для смешивания жидкостей и суспензии.

Применение: перемешивание жидкостей с большим содержанием взвешенных веществ, смешивание жидкостей высокой вязкости, химическая промышленность.

## Mélangeurs

Hélice: hélice a tris pales pour mélange et suspension de boues de tout type de liquide.

Applications: homogénéisation et de manutention liquides usés avec des solides en suspension, des mélanges de liquides à viscosité élevée, industrie chimique

## Miscelatori

Elica: elica a pale per la miscelazione e sospensione di liquidi e fanghi di ogni tipo.

Impieghi: omogeneizzazione e movimentazione di liquidi carichi di solidi in sospensione, mescole di liquidi ad alta viscosità, industria chimica.

## Mélangeurs

Hélice: hélice a tris pales pour mélange et suspension de boues de tout type de liquide.

Applications: homogénéisation et de manutention liquides usés avec des solides en suspension, des mélanges de liquides à viscosité élevée, industrie chimique

## Misturadores

Hélice: hélice com pás para a mistura e suspensão de líquidos e lamas de qualquer tipo.

Usos: na homogeneização e movimentação de líquidos carregados de sólidos em suspensão, misturas de líquidos de alta viscosidade na indústria química.

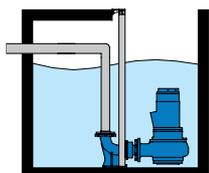
	ENGLISH	ITALIANO	RUSSO	FRANCESE	SPAGNOLO	PORTOGHESE
P1	max. motor input	max. potenza assorbita	максимальная входная мощность	consommation électrique maximale	consumo máximo de energía	consumo de potência máximo
P2	motor nominal power	potenza nominale motore	номинальная мощность двигателя	puissance nominale moteur	Potencia nominal del motor	Potência nominal do motor
H	head	prevalenza	напор	hauteur	altura	prevalência
Q	low	portata	производительность	débit	caudal	capacidade
f	spherical clearance	passaggio libero	свободный проход	passage libre	pas libre	passagem livre

MATERIAL OF CONSTRUCTION MATERIALI COSTRUTTIVI КОНСТРУКЦИОННЫЕ МАТЕРИАЛЫ MATÉRIAS DE CONSTRUÇÃO MATERIALES DE CONSTRUCCIÓN MATERIAIS DE CONSTRUÇÃO		APPLICATION LIMITS LIMITI D'IMPIEGO ЭКСПЛУАТАЦИОННЫЕ ОГРАНИЧЕНИЯ PLAGES D'UTILISATION CAMPO DE TRABAJO DOMÍNIO DE UTILIZAÇÃO	
<ul style="list-style-type: none"> <li>• Pump housing</li> <li>• Corpo Pompa</li> <li>• Корпус насоса</li> <li>• volute</li> <li>• cuerpo de bomba</li> <li>• corpo de bomba</li> </ul>	<ul style="list-style-type: none"> <li>• Castiron EN-GJL-260</li> <li>• Ghisa EN-GJL-260</li> <li>• Чугун EN-GJL-260</li> <li>• fonte EN-GJL-260</li> <li>• hierro fundido EN-GJL-260</li> <li>• ferro fundido EN-GJL-260</li> </ul>	<ul style="list-style-type: none"> <li>• Max. application temperature</li> <li>• Max. temperatura impiego</li> <li>• Макс. рабочая температура</li> <li>• température maximale de l'eau</li> <li>• Temperatura máxima de la agua</li> <li>• temperatura máxima do líquido</li> </ul>	40°C
<ul style="list-style-type: none"> <li>• motor housing</li> <li>• Corpo Motore</li> <li>• Корпус двигателя</li> <li>• carter moteur</li> <li>• cuerpo motor</li> <li>• corp motor</li> </ul>	<ul style="list-style-type: none"> <li>• Castiron EN-GJL-260</li> <li>• Ghisa EN-GJL-260</li> <li>• Чугун EN-GJL-260</li> <li>• fonte EN-GJL-260</li> <li>• Hierro fundido EN-GJL-260</li> <li>• Ferro fundido EN-GJL-260</li> </ul>	<ul style="list-style-type: none"> <li>• service</li> <li>• servizio</li> <li>• Рабочие условия</li> <li>• service</li> <li>• servicio</li> <li>• serviço</li> </ul>	S1
<ul style="list-style-type: none"> <li>• impeller</li> <li>• Girante</li> <li>• рабочее колесо</li> <li>• roué</li> <li>• impulsor</li> <li>• giratória</li> </ul>	<ul style="list-style-type: none"> <li>• Castiron EN-GJL-260</li> <li>• Ghisa EN-GJL-260</li> <li>• Чугун EN-GJL-260</li> <li>• Fonte EN-GJL-260</li> <li>• Hierro fundido EN-GJL-260</li> <li>• Ferro fundido EN-GJL-260</li> </ul>	<ul style="list-style-type: none"> <li>• max. starting per hour</li> <li>• max. avviamenti ora</li> <li>• Макс. кол-во включений в час</li> <li>• démarrages par heure maxi.</li> <li>• máximo número de arranques/hora</li> <li>• número máximo de acendimentos por hora</li> </ul>	20
<ul style="list-style-type: none"> <li>• cover</li> <li>• Coperchio</li> <li>• Крышка</li> <li>• couverture</li> <li>• tampa</li> <li>• tampa</li> </ul>	<ul style="list-style-type: none"> <li>• Castiron EN-GJL-260</li> <li>• Ghisa EN-GJL-260</li> <li>• Чугун EN-GJL-260</li> <li>• Fonte EN-GJL-260</li> <li>• Hierro fundido EN-GJL-260</li> <li>• Ferro fundido EN-GJL-260</li> </ul>	<ul style="list-style-type: none"> <li>• max. immersion depth</li> <li>• max. profondità immersione</li> <li>• Макс. глубина погружения</li> <li>• profondeur d'immersion maxi</li> <li>• inmersión máxima</li> <li>• máxima profundidade de imersão</li> </ul>	20m
<ul style="list-style-type: none"> <li>• shaft</li> <li>• Albero</li> <li>• Вал</li> <li>• arbre</li> <li>• eje</li> <li>• eixo</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless steel X30Cr13 (AISI420)</li> <li>• X30Cr13 (AISI420)</li> <li>• X30Cr13 (AISI420)</li> <li>• Acier inox X30Cr13 (AISI420)</li> <li>• Acero inoxidable X30Cr13 (AISI420)</li> <li>• aço inoxidável X30Cr13 (AISI420)</li> </ul>	<ul style="list-style-type: none"> <li>• phliquid</li> <li>• ph líquido</li> <li>• Показатель Ph жидкости</li> <li>• ph d'liquide</li> <li>• ph líquido</li> <li>• ph líquido</li> </ul>	6-12
<ul style="list-style-type: none"> <li>• O-rings</li> <li>• Guarnizioni</li> <li>• Уплотнения, уплот.</li> <li>• Кольца</li> <li>• jointstoriques</li> <li>• juntas</li> <li>• gaxetas</li> </ul>	<ul style="list-style-type: none"> <li>• nitrile</li> <li>• NBR</li> <li>• НБР</li> <li>• nitrile</li> <li>• nitrilo</li> <li>• nitrile</li> </ul>	<ul style="list-style-type: none"> <li>• liquid viscosity</li> <li>• viscosità liquido</li> <li>• Вязкость жидкости</li> <li>• viscosité d'liquide</li> <li>• viscosidad líquido</li> <li>• viscosidade de líquidos</li> </ul>	1mm <sup>2</sup> /s
<ul style="list-style-type: none"> <li>• cable</li> <li>• Cavo</li> <li>• Кабель</li> <li>• câble</li> <li>• cable</li> <li>• cabo</li> </ul>	<ul style="list-style-type: none"> <li>• neoprene</li> <li>• neoprene H07RNF</li> <li>• Неопрен</li> <li>• néoprène</li> <li>• neopreno</li> <li>• neoprene</li> </ul>	<ul style="list-style-type: none"> <li>• liquid density</li> <li>• densità liquido</li> <li>• Плотность жидкости</li> <li>• densité d'liquide</li> <li>• densidad líquido</li> <li>• densidade de líquidos</li> </ul>	1Kg/dm <sup>3</sup>
<ul style="list-style-type: none"> <li>• screws</li> <li>• Viteria</li> <li>• Винты</li> <li>• Visserie</li> <li>• tornillos</li> <li>• parafusos</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless steel A2 AISI304</li> <li>• INOX A2 AISI304 (AISI420)</li> <li>• Нерж. сталь A2 AISI304</li> <li>• acier inox A2 AISI304</li> <li>• acero inoxidable A2 AISI304</li> <li>• aço inoxidável A2 AISI304</li> </ul>	<ul style="list-style-type: none"> <li>• max. noise level</li> <li>• max. pressione acustica</li> <li>• Макс. звуковое давление</li> <li>• pression acoustique</li> <li>• maxi. presión acústica máxima</li> <li>• pressão acústica máxima</li> </ul>	<70dB

## Installation Types Tipidiinstallazione

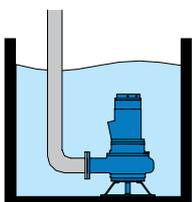
## Варианты установки Typesd'installation

## Tiposdeinstalación Tiposdeinstalação



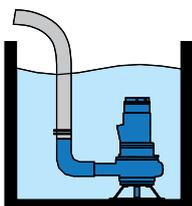
### 1V

Fixed installation with low level coupling type V  
 Installazione issa con piededi accoppiamento tipo V  
 Погружная установка на автоматической трубной муфте типа V.  
 Installationixeavec piedd' assise type V  
 Instalaciónija con Pie de acoplamiento tipo V  
 Instalaçãoixa com pé de acoplamento tipo V



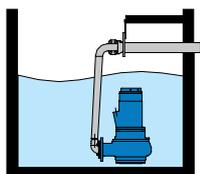
### 2F

Movable installation with base stand and connection for rigid pipe  
 Installazione trasportabile con base di appoggio e attacco per tubo rigido  
 Мобильная установка на подставке с соединением для напорной трубы.  
 Installation transportable avec support et connection pour tuyau de refoulement rigide  
 Instalación transportable con base de apoyo y ataque para tubo rígido  
 Instalação transportável com base de apoio e engate para tubo rígido



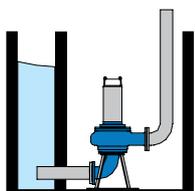
### 3G

Movable installation for flexible pipe  
 Installazione trasportabile con tubo flessibile  
 Мобильная установка на подставке с соединением для напорного рукава.  
 Installation transportable avec tuyau de refoulement flexible  
 Instalación transportable con manguera flexible  
 Instalação transportável com mangueira flexível



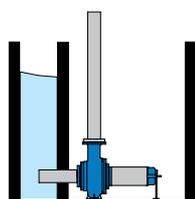
### 4H

Fixed installation with HK system  
 Installazione issa con sistema HK  
 Стационарная погружная установка с быстрой сцеплением типа HK  
 Installationixeavec système HK  
 Instalaciónija con sistema HK  
 Instalaçãoixa com sistema HK



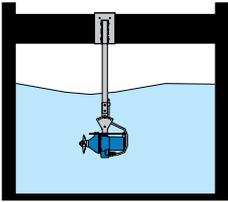
### 5C

Dry pit vertical installation for pumps with cooling jacket  
 Installazione verticale in camera asciutta per pompe con camera di raffreddamento  
 Сухая вертикальная установка для насоса «рубашкой охлаждения»  
 Installation verticale en chambre sèche pour pompes avec système de refroidissement  
 Instalación vertical en cámara seca para bombas con cámara de enfriamiento  
 Instalação vertical em câmara seca para bombas com câmara de esfriamento



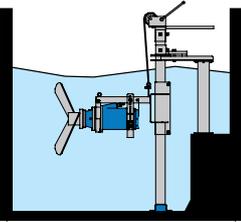
### 6O

Dry pit horizontal installation for pumps with cooling jacket  
 Installazione orizzontale in camera asciutta per pompe con camera di raffreddamento  
 Сухая горизонтальная установка для насоса «рубашкой охлаждения»  
 Installation horizontale en chambre sèche pour pompes avec système de refroidissement  
 Instalación horizontal en cámara seca para bombas con cámara de enfriamiento  
 Instalação horizontal em câmara seca para bombas com câmara de esfriamento



## 11 T

Fixed installation for mixers with adjustable lifting device  
 Installazione issa per miscelatori con tubo guida orientabile  
 Стационарная установка мешалки на направляющей трубе.  
 Installation ix pour mélangeurs avec guide orientable  
 Instalación ija para mezcladores con tubo guía orientable  
 Instalação ixa para misturadores com tubo-guia orientável



## 12P

Adjustable fixed installation with pole and winch  
 Installazione issa orientabile con palo e organo  
 Стационарная установка мешалки с направляющей трубой и лебедкой.  
 Installation ix avec poteau et treuil  
 Instalación ija orientable con poste y cabrestante  
 Instalação ixa orientável com poste e sarilho

PRODUCTS IDENTIFICATION CODE  
 CODICE IDENTIFICAZIONE PRODOTTO

ИДЕНТИФИКАЦИОННЫЙ КОД ПРОДУКТА  
 CODE D'IDENTIFICATION DU PRODUIT

CÓDIGO DE IDENTIFICACIÓN DE PRODUCTO  
 CÓDIGO DE IDENTIFICAÇÃO DO PRODUTO

**XX**

**X**

**X**

**XXX**

**X**

**Xx**

**X**

**X**

**SERIES NAME & IMPELLER TYPE**

- **GB** -Pumps with Curved Blade Impeller
- **GA** -Pumps With Staright Blade Impeller
- **GT** -Pumps with Grinder Impeller
- **MC** -Pumps with Closed Single Channel Impeller
- **KC** -Pumps with Closed Multi Channel Impeller
- **MA** -Pumps with Open Single Channel Impeller
- **SA** -Pumps with Non Clog twist impeller
- **AG** - Agitator
- **MD /TP** -Mixer with Propeller

**IMPELLER TYPE**

- V-Vortex
- C-Closed Single Channel
- L-Closed Multi Channel
- S-Open Single Channel
- N-Non Clog twist
- P-Mixer Propeller
- D-Open/Semi Open Double Channel
- E-Closed Double Channel
- A- Axial Flow
- M-Open/Semi Open Multi Channel

**KW / HP**

- 50HZ: 03 =0.37, 15 =1.5, 37 =3.7, 45 =4.5, A00= 100, A10 =110 in kW
- 60HZ: 05=0.5, 10=1.0, 30=3.0, 300=30, A00= 100, A50 =150 in HP

**OUTLET SIZE IN MM**

- A=25, B=32, C=40, D=50, E=65, F=80, G = 100, H=125, I=150, J=200, K=250, L=300, M=350, N=400, P=450.

**PHASE / CONNECTION / STARTING METHOD**

- 50Hz= M-1Ph, Ms-1Ph with control panel with manual start, T-3 Ph/D.O.L, D-3Ph/ S.D
- 60Hz= 3 =1Ph, 3s -1Ph with control panel with manual start, 4=3 Ph/D.O.L, 6=3 Ph/S.D

**NO. OF POLE - THIS DIGIT IS APPLIED ONLY FOR PUMPS OTHER THAN 2 POLE DESIGN**

- 50Hz- 4=4pole, 6=6pole, 8=8pole
- 60Hz- F=4pole, S=6pole, E=8pole

**SPECIAL CHARACTER**

- **R** - Reduced Imp, RR-Fur - ther Reduced, 3R-Low head,
- **A** - Automatic with Float switch, HF-High Flow

MOC			
	PUMP CASING / Agitator	IMPELLER	MOTOR HOUSING
C	C.I	C.I	C.I
g	C.I	SS(304)	C.I
U	SS(304)	SS(304)	C.I
S	SS(304)	SS(304)	SS(304)
R	C.I	SS(316)	C.I
M	SS(316)	SS(316)	C.I
N	SS(316)	SS(316)	SS(316)

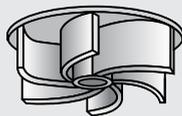
**Model Name & Description**

50Hz: GB-CV26-ET, 2.6kW, 50Hz, 3Ph, 415V, 2pole DOL Sewage Submersible Pump  
 60Hz: GB-CV44-E4, 4.4HP, 60Hz, 3Ph, 440V, 2pole DOL Sewage Submersible Pump

50Hz: KC-CL250-LT-83R, 25kW, 50Hz, 3Ph, 415V, 8pole DOL Sewage Submersible Pump  
 60Hz: KC-CL370-L4-E3R, 37HP, 60Hz, 3Ph, 415V, 8pole DOL Sewage Submersible Pump

50Hz: MD-RP08-T4, 0.8kW, 50Hz, 3Ph, 415V, 4Pole DOL Mixer  
 60Hz: MD-RP15-4F, 1.5HP, 60Hz, 3Ph, 415V, 4Pole DOL Mixer

50Hz: AG-C08-MR, 0.8kW, 50Hz, 3Ph, 415V, 2Pole DOL Agitator  
 60Hz: AG-C15-3R, 1.5HP, 60Hz, 3Ph, 415V, 2Pole DOL Agitator



Submersible pumps

Vortex Impeller

**G Series**

0.5 - 5.5 kW

Discharge size

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65

Elettropompe sommergibili

Girante Vortex

**Serie G**

0.5 - 5.5 kW

Mandata

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65

Погружные электронасосы

С вихревым рабочем колесо

**Серия G**

0.5 - 5.5 kW

выходное отверстие

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65

Electropompes submersibles

Roue Vortex

**Série G**

0.5 - 5.5 kW

Diam. refoulement

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65

Bombas sumergibles

Turbina Vortex

**Modelo G**

0.5 - 5.5 kW

Diámetro impulsión

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65

Bombas eléctricas submergíveis

Giratória a Vórtice

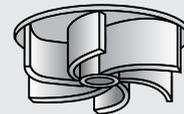
**Série G**

0.5 - 5.5 kW

Diâmetro boca

1<sup>1</sup>/<sub>2</sub> - 2<sup>1</sup>/<sub>2</sub> DN 50-65



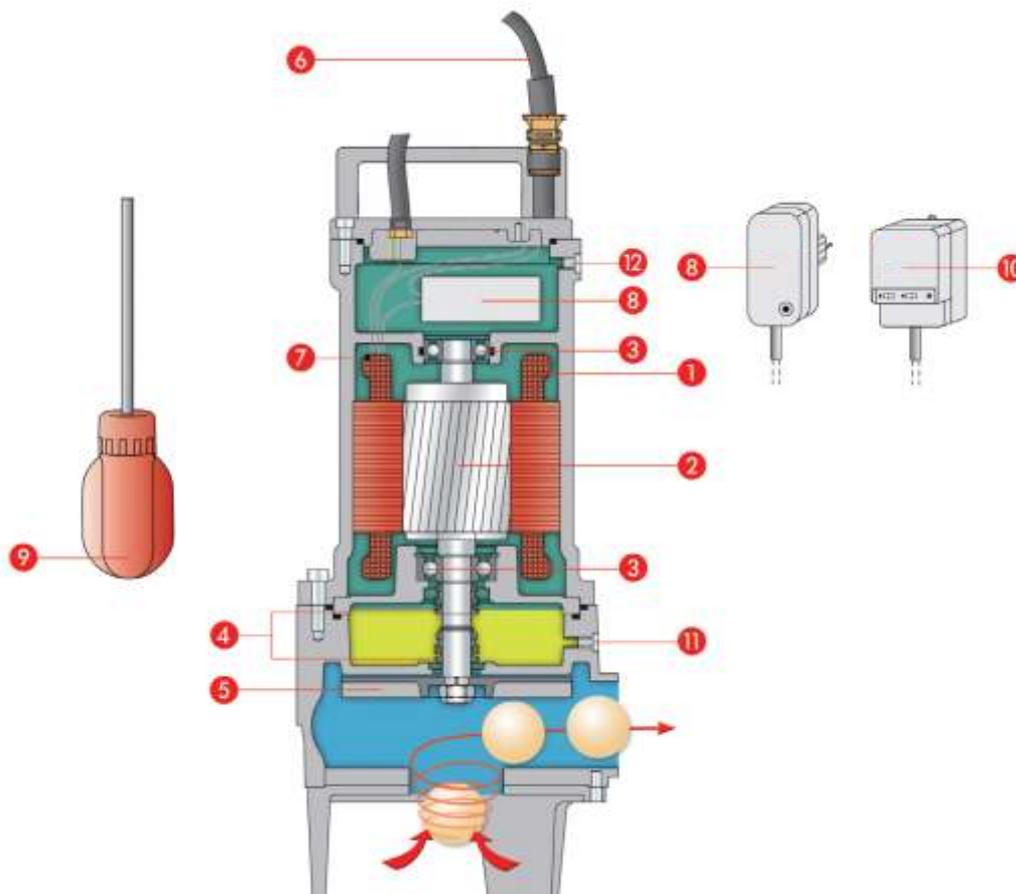


# G Series

Technical features  
Caratteristiche costruttive

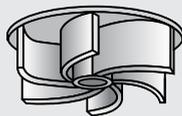
Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção

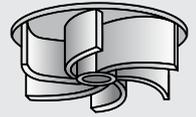


1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 2850 rpm. Voltage: single-phase 1x230V-50 Hz  
three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request. ATEX certification in progress
2. Shaft in stainless steel AISI 420
3. Heavy duty bearing for long life
4. Double mechanical seal in oil chamber + radial lip seal  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Cast iron Vortex Impeller with high head
6. Cable H07RNF
7. Thermal protection standard in the single phase execution
8. Float switch regulator
9. AET-AEM electrical gear for three-phase and single-phase-execution
10. Oil inspection plug
11. Air plug hole for the motor watertightness control

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 2850 al min  
Voltaggio: monofase 1x230V-50 Hz e trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.  
Certificazione ATEX in corso
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio + paraolio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante Vortex in ghisa ad alta prevalenza
6. Cavo H07RNF
7. Protezione termica di serie nella versione monofase
8. Galleggiante
9. AET-AEM quadro elettrico per versione trifase e monofase
10. Ispezione olio
11. Controllo tenuta stagna motore



- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 2850 об./мин. Напряжение: монофазное 1x230 В 50 Гц и трехфазное 380/415 В 50 Гц. Другие напряжения и частота под заказ. Проходит сертификацию ATEX.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники, рассчитанные с запасом</li> <li>4. Двойное мех. уплотнение в масляной камере + сальник С гидравлической стороны: карбид кремния/ карбид кремния<br/>Со стороны двигателя: графит/оксид алюминия</li> <li>5. Рабочее колесо вихревого типа из чугуна с высоким напором</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита серийно в монофазном варианте</li> <li>8. Поплавковый выключатель</li> <li>9. АЕТ-АЕМ пульт управления для трехфазного и монофазного варианта</li> <li>10. Окошко для контроля масла</li> <li>11. Контроль герметичности двигателя</li> </ol>   | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau<br/>Classe d'isolation H. indice de protection IP 68<br/>Vitesse de rotation: 2850 tr/mn<br/>Bobinage mono: 1x230V Fréquence: 50 Hz - tri: 3x380/415V<br/>Fréquence: 50 Hz<br/>Autres tensions et fréquences sur demande.<br/>Certification ATEX en cours</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile + joint de la garniture<br/>Garniture inférieure: Carbure de silicium/Carbure de silicium<br/>Garniture supérieure: graphite/alumine</li> <li>5. Roue vortex en fonte à haute prévalence</li> <li>6. Cable H07RNF</li> <li>7. Version monophasée: protection thermique de série</li> <li>8. Flotteur</li> <li>9. Coffret électrique de commande AET-AEM pour mono et tri version</li> <li>10. Inspection de l'huile</li> <li>11. Contrôle moteur étanche à l'eau</li> </ol> |
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco<br/>Clase de aislamiento H. Protección IP-68.<br/>Velocidad: 2850 rpm/miñ<br/>Voltaje: monofásico 50 Hz 1x230V- trifásico 3 x 380/415V 50 Hz<br/>Otros voltajes y frecuencias a demanda.<br/>Certificación ATEX pendiente</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite + retén de nitrilo<br/>Carburo de silicio/Carburo de silicio en el lado agua.<br/>Graito/Acero templado en el lado motor.</li> <li>5. Impulsor vortex de hierro fundido a preponderancia alta</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado, de rearme automático o manual para motores monofásicos.</li> <li>8. Interruptor de boya para funcionamiento automático</li> <li>9. AET-AEM Cuadros eléctricos para motores trifásicos o monofásicos</li> <li>10. Inspección aceite</li> <li>11. Control de motor estanco</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanco<br/>Isolamentos em classe H. Grau de proteção IP 68<br/>rpm: 2850<br/>Tensão: monofásica e trifásica 1x230V Hz-50 Hz 3x380/415V-50<br/>Outras tensões e frequências a pedido.<br/>ATEX pendente</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentes de manutenção</li> <li>4. Duplo contenção na câmara óleo pi anel de contenção NBR<br/>contenção inferior: carboneto de silício<br/>contenção superior: graito/allumina</li> <li>5. Giratória a vórtice em ferro fundido a preponderância elevada</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica da série versão monofásica</li> <li>8. Regulador de nível</li> <li>9. AET-AEM painel elétrico para versão monofásica e trifásica</li> <li>10. Inspeção de óleo</li> <li>11. Controle motor estanco</li> </ol>   |



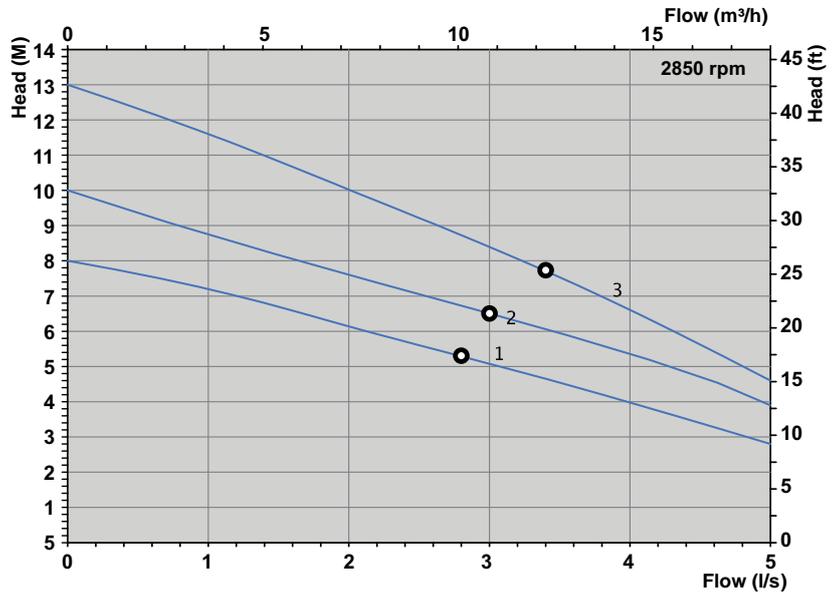
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

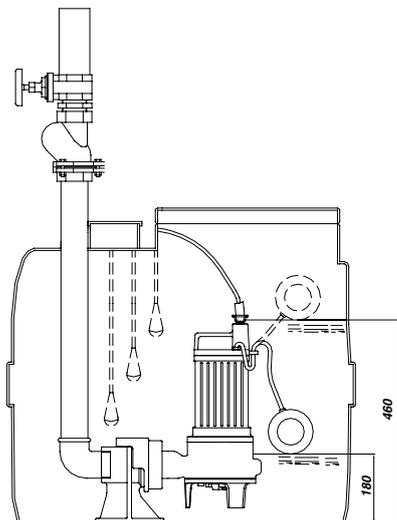
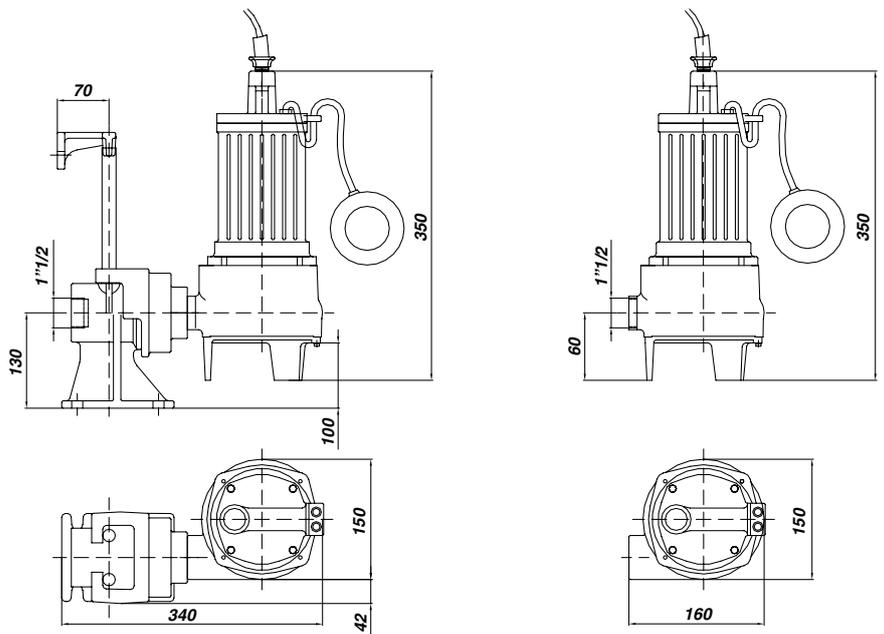
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



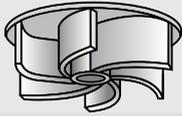
GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GÉNERALES · CARACTERÍSTICAS GERAIS											PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES · RENDIMENTO · EXECUÇÃO									
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	1	2	3	4	5	6	
1	GB - CV05 - CM-A	0.65	0.5	230	16	3	2850	1"1/2	36	40N	14		H m	0	3.6	7.2	10.8	14.4	18	21.6
1	GB - CV05 - CT	0.65	0.5	400		2	2850	1"1/2	36	40N	14	8		7.2	6.1	5.1	4	2.8		
2	GB - CV06 - CM-A	0.8	0.65	230	16	4	2850	1"1/2	36	40N	14	10		8.6	7.6	6.3	5.4	3.9		
2	GB - CV06 - CT	0.8	0.65	400		1.5 A	2850	1"1/2	36	40N	14	10		8.6	7.6	6.3	5.4	3.9		
3	GB - CV08 - CM-AR	0.9	0.8	230	16	4.8	2850	1"1/2	36	40N	14	13		11.6	10	8.4	6.6	4.6		
3	GB - CV08 - CT - R	0.9	0.8	400		1.5	2850	1"1/2	36	40N	14	13		11.6	10	8.4	6.6	4.6		

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS

INSTALLATION TYPE  
INSTALLAZIONE TIPO  
ТИПИЧНАЯ УСТАНОВКА  
TYPE D'INSTALLATION  
EJEMPLO DE INSTALACIÓN  
EXEMPLO DE INSTALAÇÃO



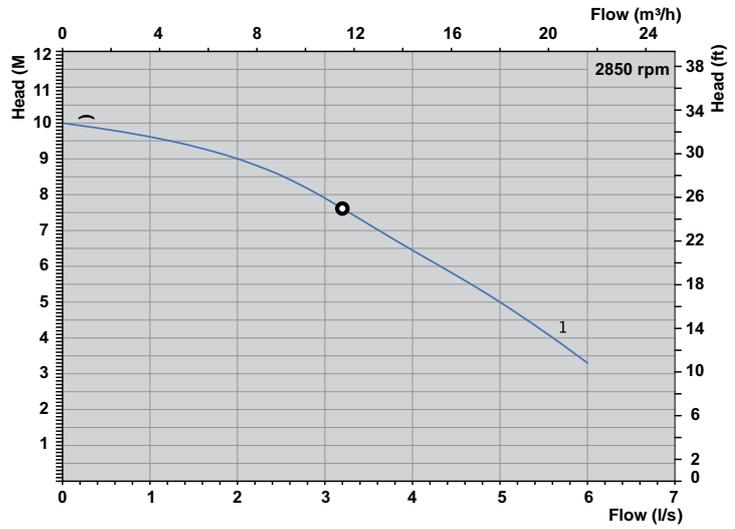
\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



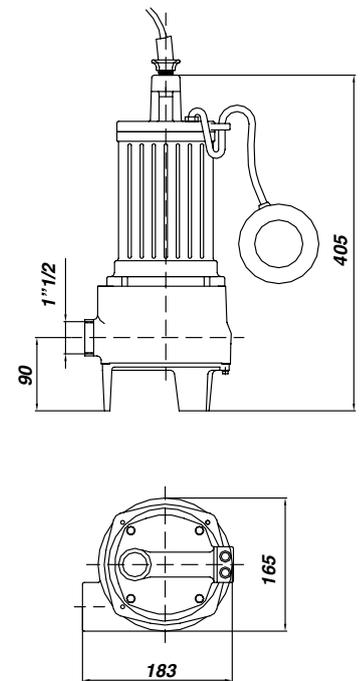
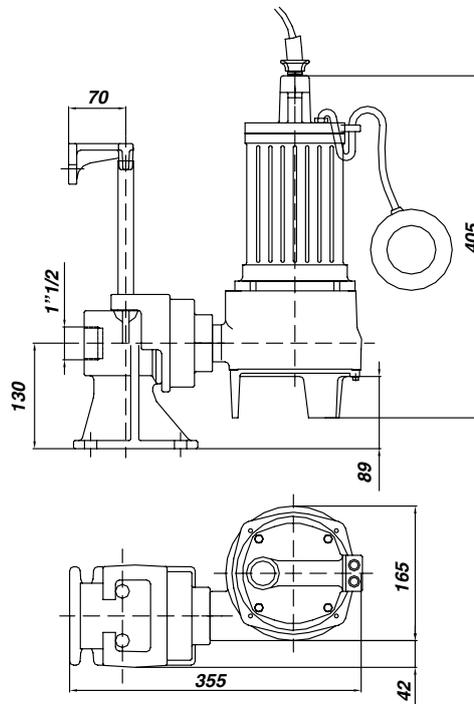
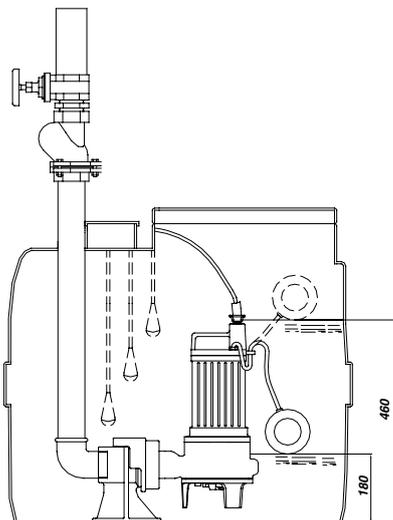
GENERAL FEATURES * CARATTERISTICHE GENERALI * ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES * CARACTERÍSTICAS GENERALES * CARACTERÍSTICA GERAIS											PERFORMANCES * PRESTAZIONI * РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES * RENDIMENTO * EXECUÇÃO									
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	1	2	3	4	5	6	7
1	GB - CV08 - CM-A	1.1	0.8	230	22	5	2850	1"1/2	36	40N	20	H	10	9.6	9	7.9	6.4	5	3.3	
1	GB - CV08 - CT	1.1	0.8	400		2	2850	1"1/2	36	40N	20	m	10	9.6	9	7.9	6.4	5	3.3	

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

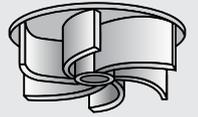
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS

INSTALLATION TYPE  
INSTALLAZIONE TIPO  
ТИПИЧНАЯ УСТАНОВКА  
TYPE D'INSTALLATION  
EJEMPLO DE INSTALACIÓN  
EXEMPLO DE INSTALAÇÃO



\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

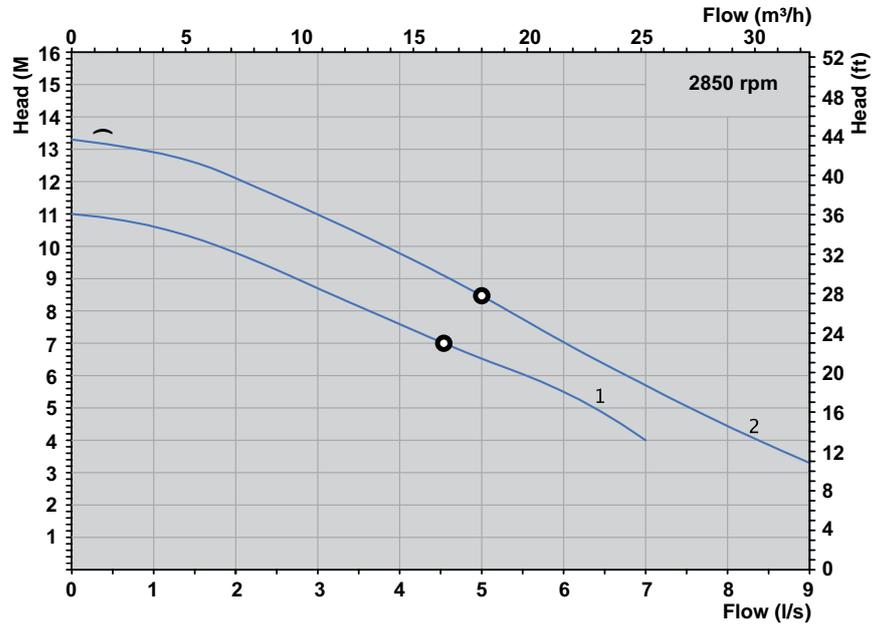
**GB**



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



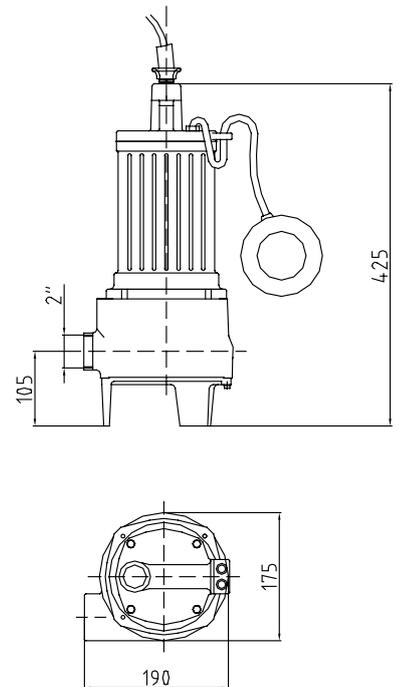
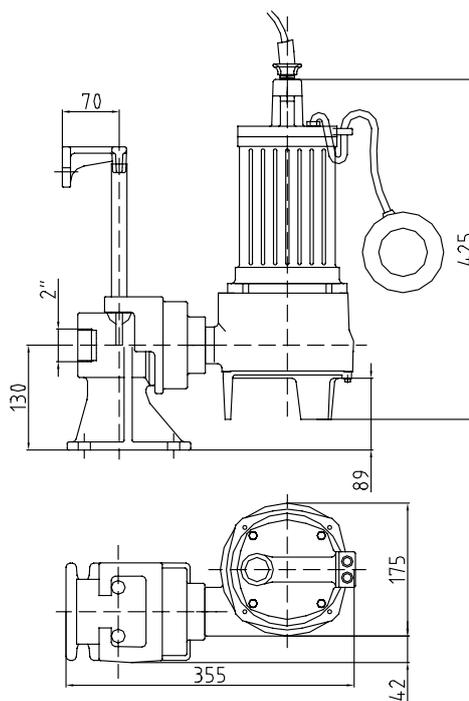
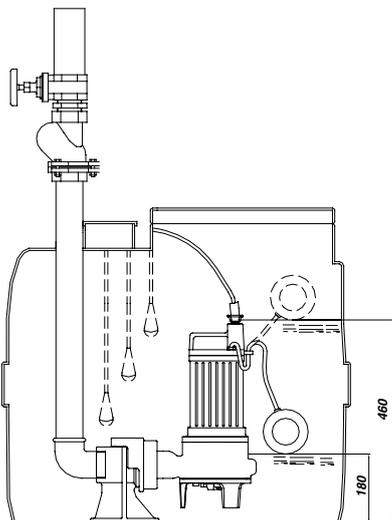
GENERAL FEATURES * CARATTERISTICHE GENERALI * ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GENERALES * CARACTERÍSTICAS GERAIS												PERFORMANCES * PRESTAZIONI * РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES * RENDIMENTO * EXECUÇÃO																				
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	V	KG																					
												l/sec	0	1	2	3	4	5	6	7	8	9										
												m³/h	0	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4										
												H	11	10.6	9.8	8.7	7.6	6.5	5.5	4												
												m	13.3	12.9	12.1	11	9.8	8.5	7	5.7	4.4	3.3										
													13.3	12.9	12.1	11	9.8	8.5	7	5.7	4.4	3.3										
1	GB - CV08 - DM-AR	1.1	0.8	230	22	5	2850	2"	45	50N	24																					
1	GB - CV08 - DT - R	1.1	0.8	400		2	2850	2"	45	50N	24																					
2	GB - CV12-DMS-AR	1.7	1.2	230	30	7.4	2850	2"	45	50N	24																					
2	GB - CV12 - DT - R	1.7	1.2	400		2.5	2850	2"	45	50N	24																					

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

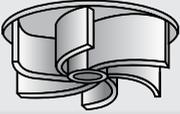
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS

INSTALLATION TYPE  
INSTALLAZIONE TIPO  
ТИПИЧНАЯ УСТАНОВКА  
TYPE D'INSTALLATION  
EJEMPLO DE INSTALACIÓN  
EXEMPLO DE INSTALAÇÃO



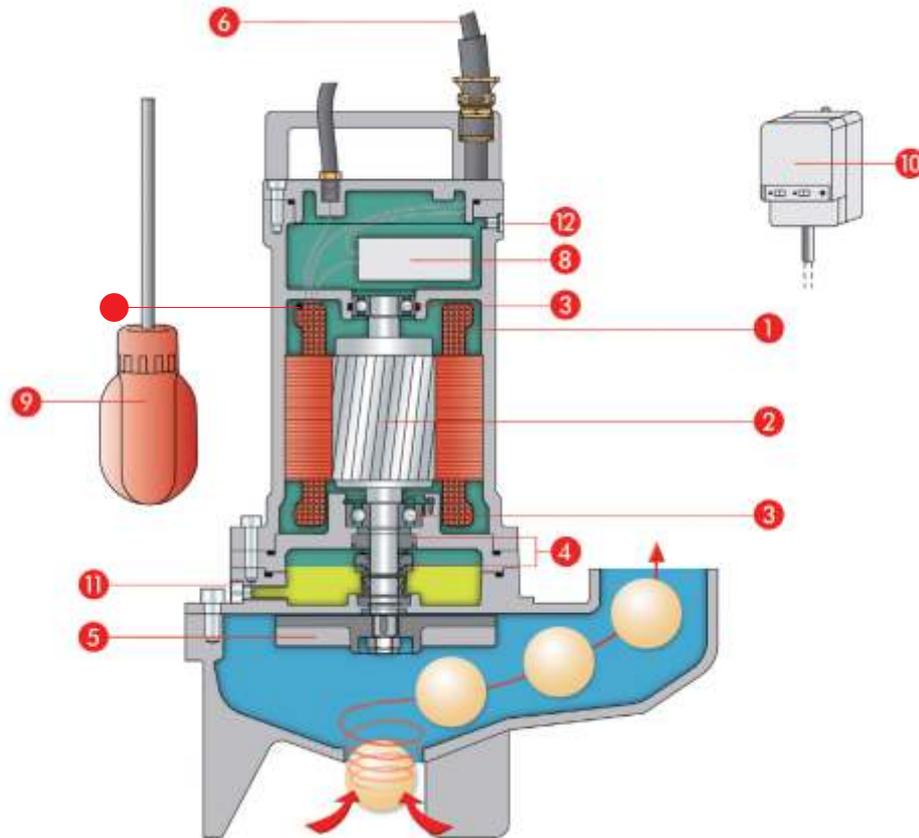
\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



Technical features  
Caratteristiche costruttive

Технические характеристики  
Caractéristiques de construction

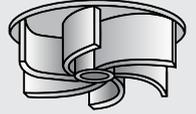
Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 2850 rpm. Voltage: single-phase 1x230V-50 Hz  
three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request. ATEX certification in progress
2. Shaft in stainless steel AISI 420
3. Heavy duty bearing for long life
4. Double mechanical seal in oil chamber + radial lipseal  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Cast iron Vortex Impeller with high head
6. Cable H07RNF
7. Thermal protection incorporated in the single phase execution
8. Float switch regulator
9. AET-AEM electrical gear for three-phase and single-phase-execution
10. Oil inspection plug
11. Air plug hole for the motor water tightness control

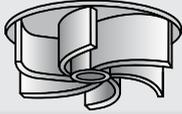
1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 2850 al min  
Voltaggio: monofase 1x230V-50 Hz e trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.  
Certificazione ATEX in corso
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio + paraolio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante Vortex in ghisa ad alta prevalenza
6. Cavo H07RNF
7. Protezione termica di serie nella versione monofase
8. Galleggiante
9. AET-AEM quadro elettrico per versione trifase e monofase
10. Ispezione olio
11. Controllo tenuta stagna motore

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| <ol style="list-style-type: none"> <li>1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 2850 об./мин. Напряжение: монофазное 1x230 В 50 Гц и трехфазное 380/415 В 50 Гц. Другие напряжения и частота под заказ. Проходит сертификацию АТЕХ.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники, рассчитанные с запасом</li> <li>4. Двойное мех. уплотнение в масляной камере + сальник<br/>С гидравлической стороны: карбид кремния/ карбид кремния<br/>Со стороны двигателя: графит/оксид алюминия</li> <li>5. Рабочее колесо вихревого типа из чугуна с высоким напором</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита серийно в монофазном варианте</li> <li>8. Поплавковый выключатель</li> <li>9. АЕТ-АЕМ пульт управления для трехфазного и монофазного варианта</li> <li>10. Окошко для контроля масла</li> <li>11. Контроль герметичности двигателя</li> </ol> | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau<br/>Classe d'isolation H. indice de protection IP 68<br/>Vitesse de rotation: 2850 tr/mn<br/>Bobinage mono: 1x230V Fréquence: 50 Hz - tri: 3x380/415V<br/>Fréquence: 50 Hz<br/>Autres tensions et fréquences sur demande.<br/>Certification ATEX en cours</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile + joint de la garniture<br/>Garniture inférieur: Carbure de silicium/Carbure de silicium<br/>Garniture supérieure: graphite/alumine</li> <li>5. Roue vortex en fonte à haute prévalence</li> <li>6. Cable H07RNF</li> <li>7. Version monophasée: protection thermique de série</li> <li>8. Flotteur</li> <li>9. Coffret électrique de commande AET-AEM pour mono et tri version</li> <li>10. Inspection de l'huile</li> <li>11. Contrôle moteur étanche à l'eau</li> </ol> |
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|---|--|
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco<br/>Clase de aislamiento H. Protección IP-68.<br/>Velocidad: 2850 rpm/miñ<br/>Voltaje: monofásico 50 Hz 1x230V- trifásico 3 x 380/415V 50 Hz<br/>Otros voltajes y frecuencias a demanda.<br/>Certificación ATEX pendiente</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite + retén de nitrilo<br/>Carburo de silicio/Carburo de silicio en el lado agua.<br/>Graito/Acero templado en el lado motor.</li> <li>5. Impulsor vortex de hierro fundido a preponderancia alta</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado, de rearme automático o manual para motores monofásicos.</li> <li>8. Interruptor de boya para funcionamiento automático</li> <li>9. AET-AEM Cuadros eléctricos para motores trifásicos o monofásicos</li> <li>10. Inspección aceite</li> <li>11. Control de motor estanco</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanque<br/>Isolamentos em classe H. Grau de proteção IP 68<br/>rpm: 2850<br/>Tensão: monofásica e trifásica 1x230V Hz-50 Hz 3x380/415V-50<br/>Outras tensões e frequências a pedido.<br/>ATEX pendiente</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentes de manutenção</li> <li>4. Duplo contenção na câmara óleo pi anel de contenção NBR<br/>contenção inferior: carboneto de silício<br/>contenção superior: graito/allumina</li> <li>5. Giratória a vórtice em ferro fundido a preponderância elevada</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica da série versão monofásica</li> <li>8. Regulador de nível</li> <li>9. AET-AEM painel elétrico para versão monofásica e trifásica</li> <li>10. Inspeção de óleo</li> <li>11. Controle motor estanque</li> </ol> |
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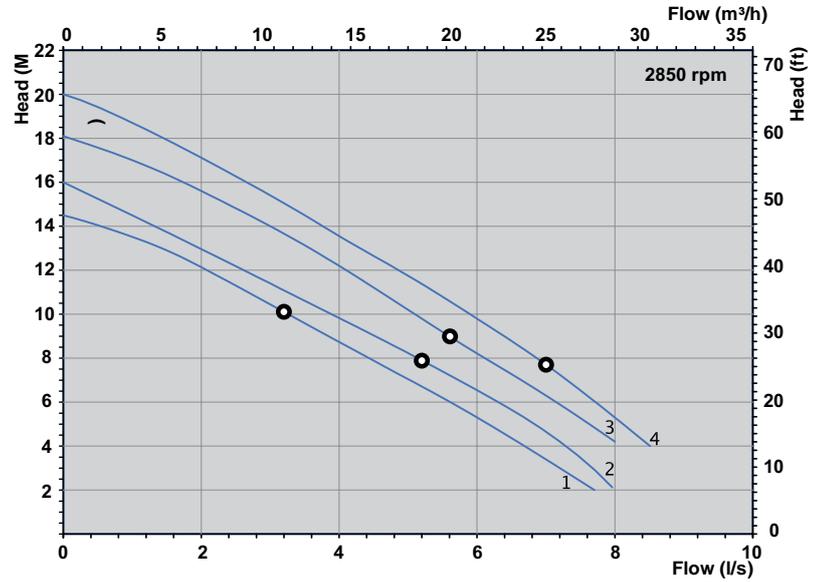
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

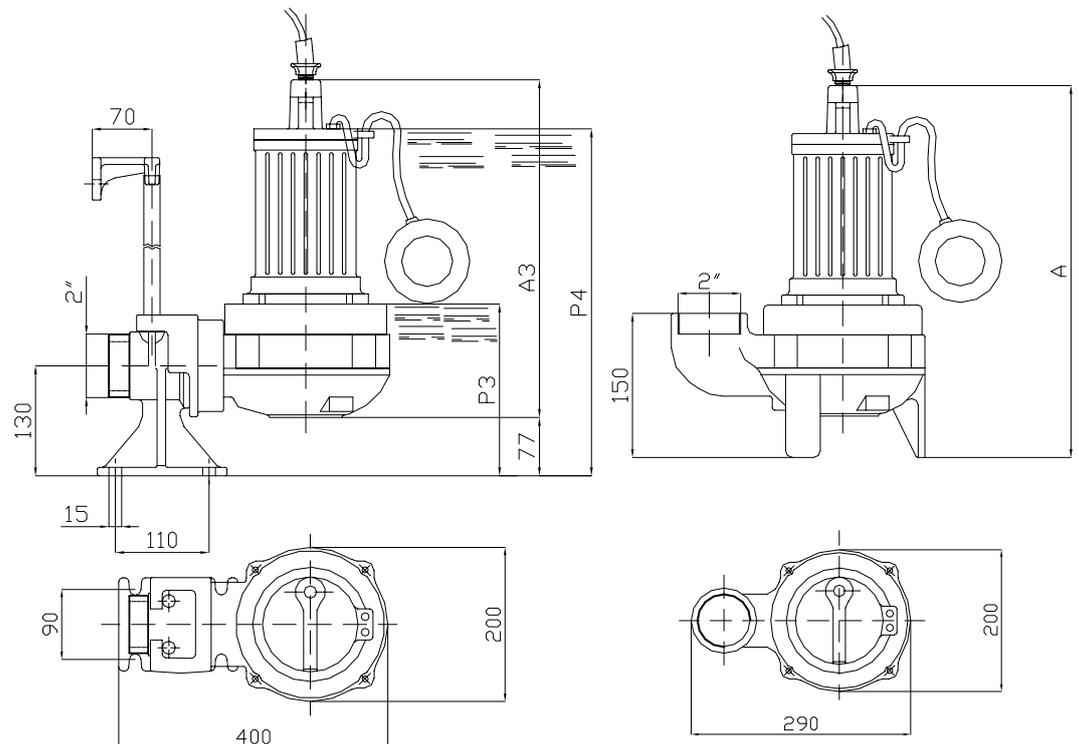
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GENERALES · CARACTERÍSTICAS GERAIS										PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCES · RENDIMENTO · EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	mF	Amp	Giri rpm	DN	Ø mm	H <sub>m</sub>											
										l/sec m³/h	0	1	2	3	4	5	6	7	8	9	
1	GB - CV08 - DM-A	1	0.8	230	22	4.6	2850	2"	40	14.5	13.5	12.1	10.5	8.7	7	5.3	3.2				
1	GB - CV08 - DT	1	0.8	400		2.1	2850	2"	40	14.5	13.5	12.1	10.5	8.7	7	5.3	3.2				
2	GB - CV12 - DM-A	1.6	1.2	230	30	7.1	2850	2"	40	16	14.5	13	11.4	9.8	8.3	6.6	4.6				
3	GB - CV12 - DT	1.6	1.2	400		3.1	2850	2"	40	16	14.5	13	11.4	9.8	8.3	6.6	4.6				
4	GB - CV26 - DT - R	3.3	2.6	400		5.9	2850	2"	40	18.1	17	15.6	14	12.2	10.2	8.2	6.3				

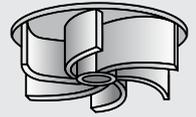
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Nr	Modello - Type	A max	A3 max	E	F3	H	DN2	DN4	P3	P4	V	KG
1	GB - CV08 - DM-A	410	368	77	150	290	2"	2"	250	445	50	22
1	GB - CV08 - DT	410	368	77	150	290	2"	2"	250	445	50	22
2	GB - CV12 - DM-A	430	388	77	150	290	2"	2"	270	465	50	23.5
3	GB - CV12 - DT	430	388	77	150	290	2"	2"	270	465	50	23.5
4	GB - CV26 - DT - R	460	418	77	150	290	2"	2"	245	495	50	37

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
РАЗМЕРНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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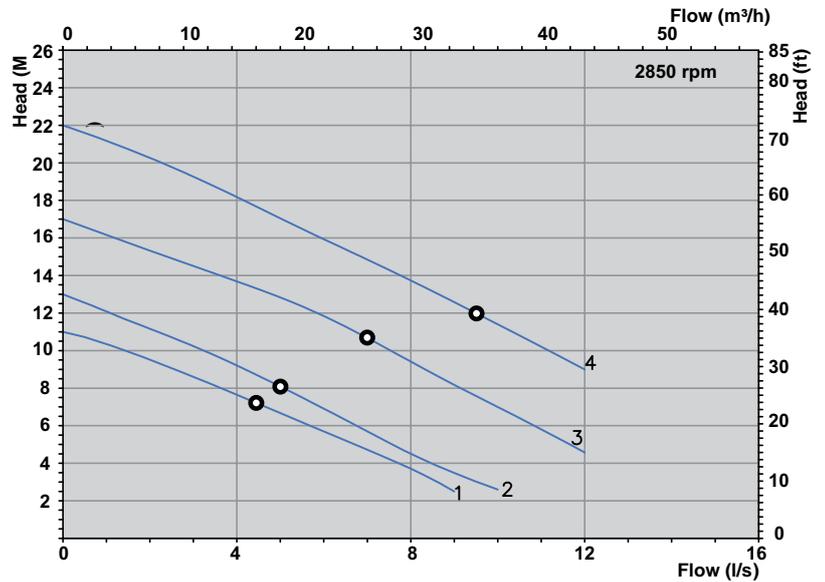
GB



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

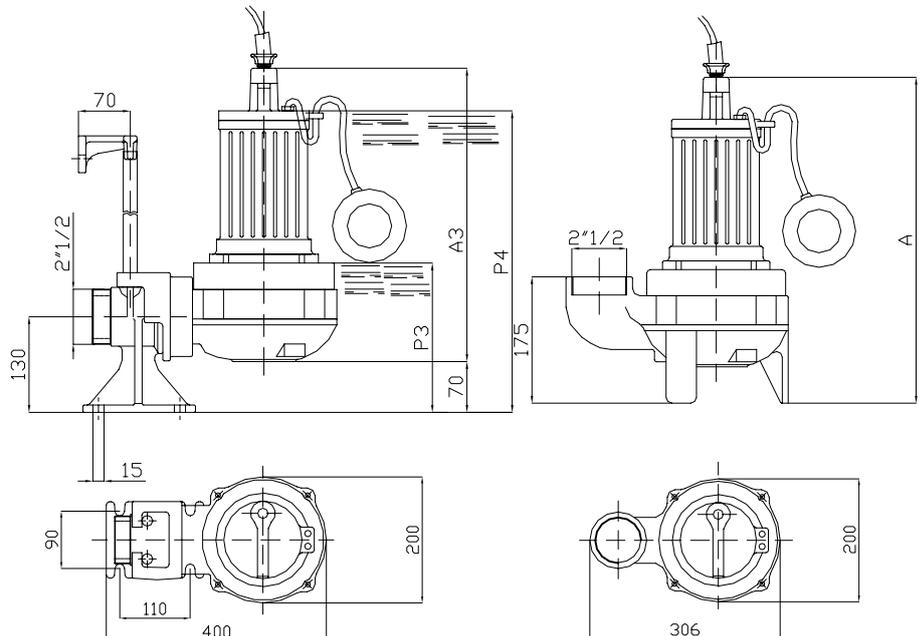
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



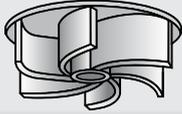
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Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	1	2	3	4	5	6	7	8	9	10	11	12	
1	GB - CV08 - EM-AR	1	0.8	230	22	4.6	2850	2"1/2	65		H m	11	10.4	9.5	8.5	7.6	6.6	5.6	4.6	3.7	2.5			
1	GB - CV08 - ET - R	1	0.8	400		2.1	2850	2"1/2	65	11		10.4	9.5	8.5	7.6	6.6	5.6	4.6	3.7	2.5				
2	GB - CV12 - EM-A	1.6	1.2	230	30	7.1	2850	2"1/2	65	13		12.1	11.2	10.3	9.3	8	6.9	5.6	4.5	3.5	2.5			
2	GB - CV12 - ET	1.6	1.2	400		3.1	2850	2"1/2	65	13		12.1	11.2	10.3	9.3	8	6.9	5.6	4.5	3.5	2.5			
3	GB - CV18 - ET	2.3	1.85	400		4	2850	2"1/2	65	17	16.2	15.4	14.5	13.6	12.9	11.8	10.6	9.4	8.1	6.9	5.7	4.6		
4	GB - CV26 - ET	3.3	2.6	400		5.9	2850	2"1/2	65	22	21.1	20.4	19.2	18.2	17	15.9	14.9	13.7	12.5	11.4	10.2	9		

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ · DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO												
Nr	Modello - Type	A max	A3 max	E	F3	H	DN2	DN4	P3	P4	V	KG
1	GB - CV08 - EM-AR	435	385	70	175	306	2"1/2	2"1/2	282	478	50	23
1	GB - CV08 - ET - R	435	385	70	175	306	2"1/2	2"1/2	282	478	50	23
2	GB - CV12 - EM-A	455	405	70	175	306	2"1/2	2"1/2	302	498	50	24,5
2	GB - CV12 - ET	455	405	70	175	306	2"1/2	2"1/2	302	498	50	24,5
3	GB - CV18 - ET	485	455	70	175	306	2"1/2	2"1/2	303	428	50	31,5
4	GB - CV26 - ET	505	455	70	175	306	2"1/2	2"1/2	397	548	50	38

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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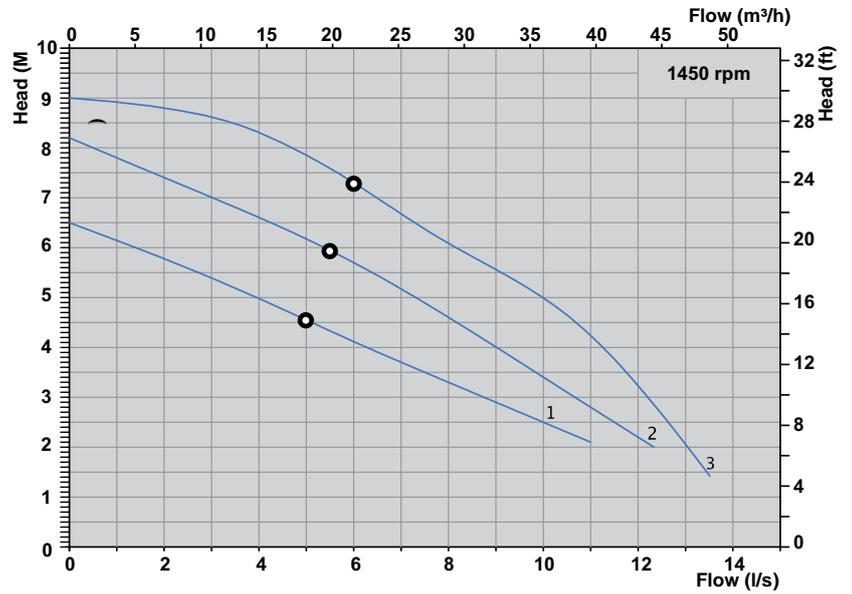
# GA - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

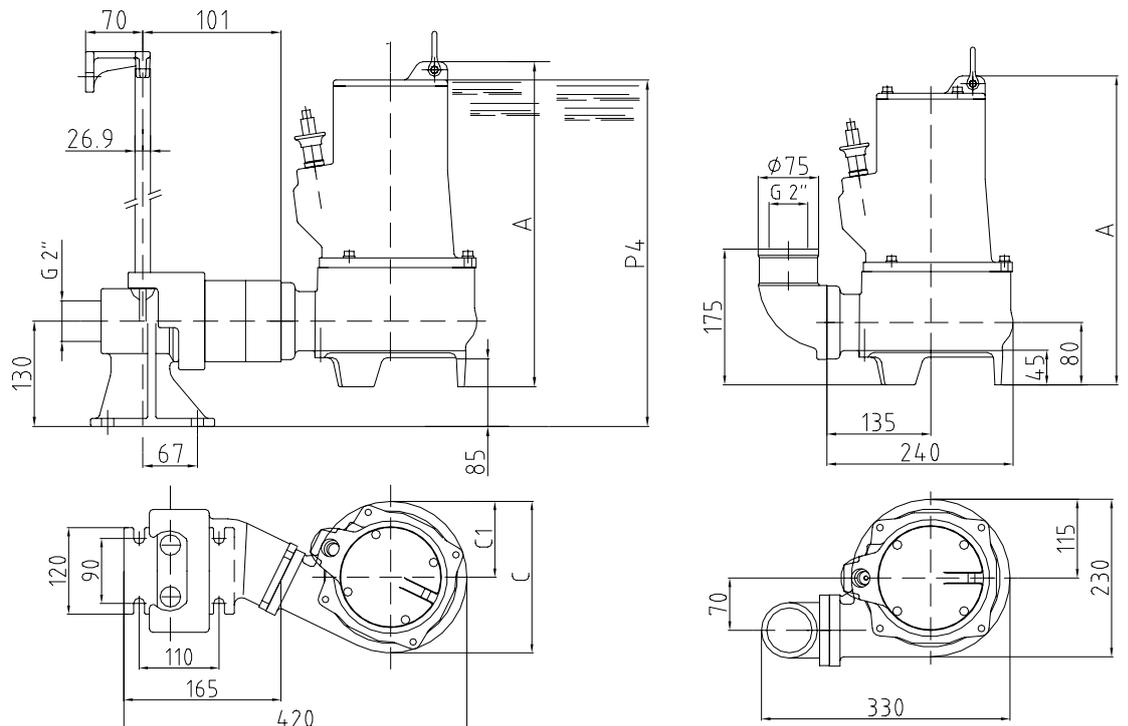
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES · RENDIMENTO · EXECUÇÃO								
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	2	4	6	8	10	12	14
1	GA - CV07 - DMs - 4	1.35	0.75	230	6	1450	50	45		H	6.5	5.8	5	4.1	3.3	2.5	
1	GA - CV07 - DT - 4	0.95	0.75	400	14	1450	50	45	m	6.5	5.8	5	4.1	3.3	2.5		
2	GA - CV11 - DT - 4R	1.4	1.1	400	3	1450	50	45		8.2	7.4	6.6	5.7	4.6	3.4	2.2	
3	GA - CV15 - DT - 4	1.85	1.5	400	4	1450	50	45		9	8.8	8.3	7.3	6.1	5	3.2	

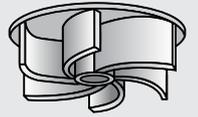
INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO						
Nr	Modello - Type	A max	P3	P4	V	KG
1	GA - CV07 - DMs - 4	400	210	435	50	31
1	GA - CV07 - DT - 4	400	210	435	50	30
2	GA - CV11 - DT - 4R	400	210	435	50	32
3	GA - CV15 - DT - 4	440	225	475	50	35

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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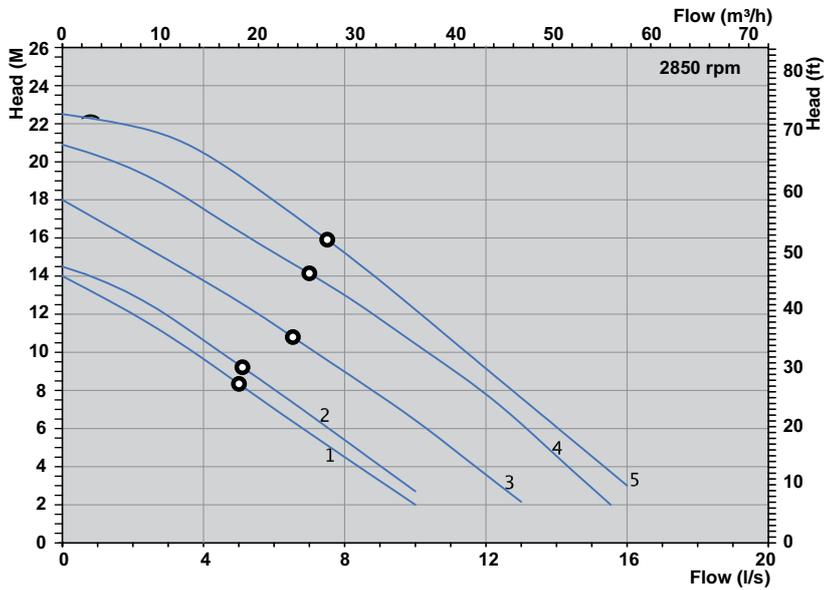
GB



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

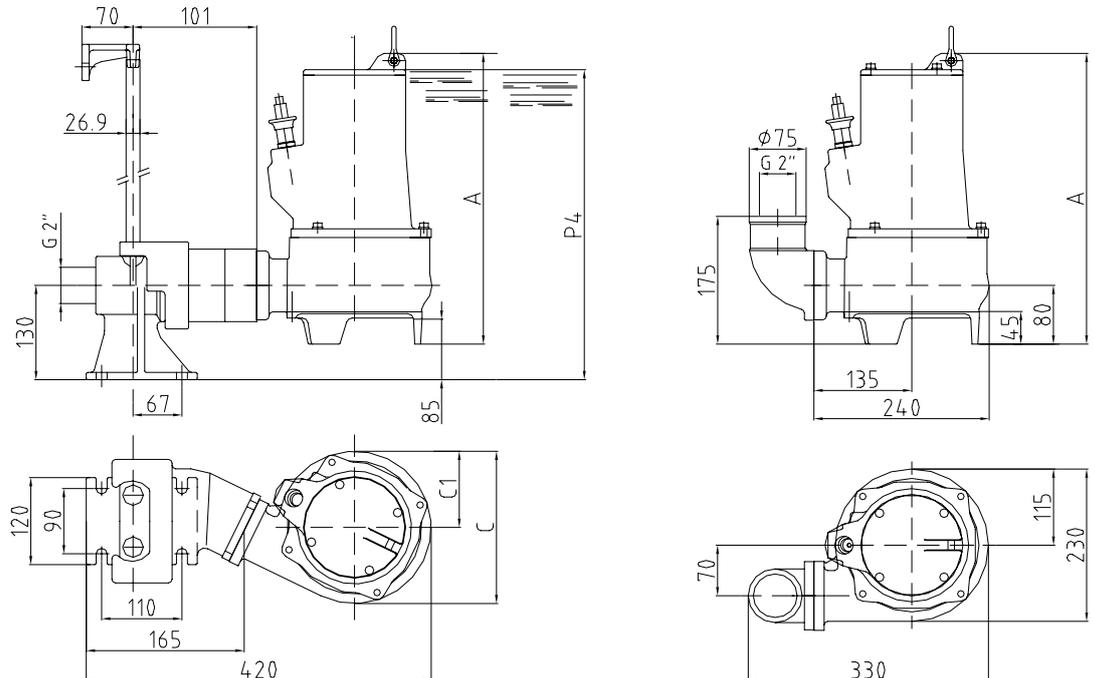
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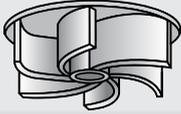
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Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	2	4	6	8	10	12	14	16	
1	GB - CV11-DMs	1.55	1.1	230	40	7.5	2850	50	45		H m	0	7.2	14.4	21.6	28.8	36	43.2	50.4	57.6
2	GB - CV11 - DT	1.45	1.1	400		3	2850	50	45	14		12	9.7	7	4.5					
3	GB - CV18 - DT	2.1	1.85	400		4.4	2850	50	45	14.5		13	10.6	8.1	5.5					
4	GB - CV26 - DT	3.2	2.6	400		5.9	2850	50	45	18		16	13.8	11.5	9	6.5	3.5			
5	GB - CV30 - DT	4	3	400		7.5	2850	50	45	20.9		19.6	17.5	15.2	13	10.5	7.8	4.6		

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION · DIMENSÕES DE INSTALAÇÃO						
Nr	Modello - Type	A max	P3	P4	V	KG
1	GB - CV11-DMs	400	210	435	50	31
2	GB - CV11 - DT	440	250	475	50	30
3	GB - CV18 - DT	400	210	435	50	32
4	GB - CV26 - DT	440	225	475	50	35
5	GB - CV30 - DT	465	230	500	50	45

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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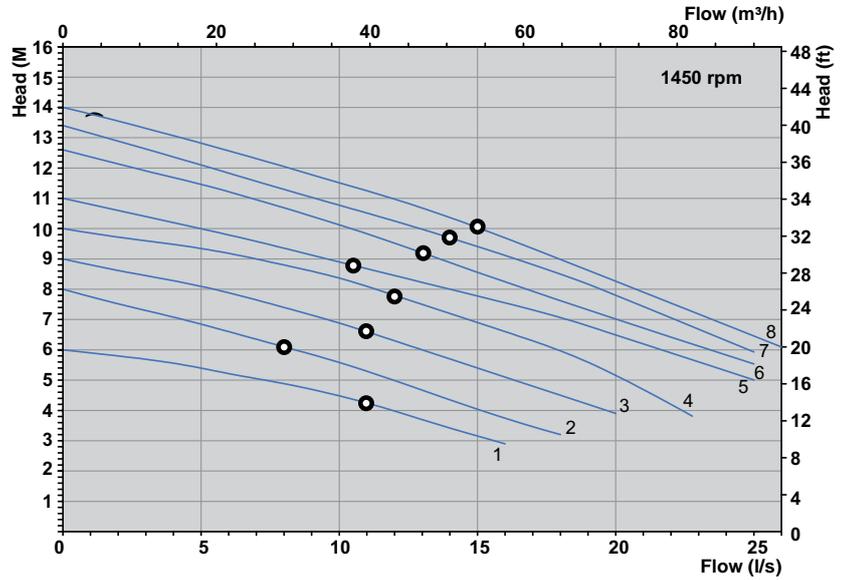
# GA - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

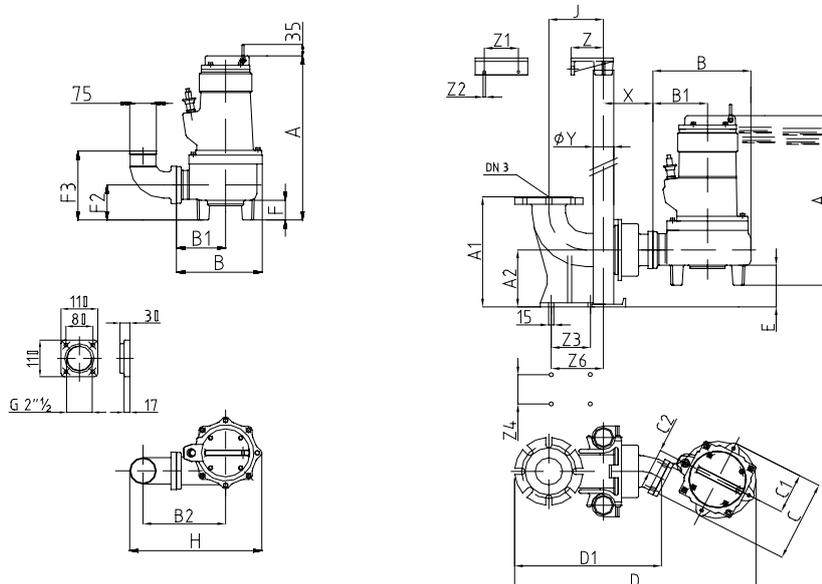
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CURVA CARACTERÍSTICA



GENERAL FEATURES * CARATTERISTICHE GENERALI ОСНОВНЫЕ ХАРАКТЕРИСТИКИ * CARACTERÍSTICAS GÉNÉRALES CARACTERÍSTICAS GERAIS * CARACTERÍSTICA GERAIS									PERFORMANCES * PRESTAZIONI * РАБОЧИЕ ПАРАМЕТРЫ * PERFORMANCE * RENDIMIENTO * EXECUÇÃO																	
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	I/sec m³/h	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28		
1	GA - CV11 - ET - 4	1.5	1.1	400	3.2	1450	65	65	H	6	5.8	5.6	5.2	4.9	4.5	4	3.4	2.9								
2	GA - CV15 - ET - 4	1.9	1.5	400	4	1450	65	65	H	8	7.5	7.1	6.6	6.1	5.6	5	4.2	3.7	3.2							
3	GA - CV22 - ET - 4	2.9	2.2	400	4.8	1450	65	65	H	9	8.6	8.3	7.9	7.4	6.9	6.3	5.7	5.1	4.7	3.9						
4	GA - CV35 - ET - 4R	4	3.5	400	6.8	1450	65	65	H	10	9.7	9.5	9.2	8.8	8.4	7.8	7.2	6.6	6	5.2	4.2					
5	GA - CV35 - ET - 4	4	3.5	400	8	1450	65	65	H	11	10.6	10.2	9.8	9.4	8.9	8.4	8	7.6	7	6.5	5.8	5.3				
6	GA - CV42 - ET - 4R	5	4.2	400	9.2	1450	65	65	H	12.6	12.1	11.7	11.3	10.6	10.1	9.5	8.9	8.3	7.7	7	6.4	5.8				
7	GA - CV42 - ET - 4	5	4.2	400	9.2	1450	65	65	H	13.4	12.9	12.4	11.8	11.3	10.8	10.2	9.8	9.4	8.6	7.8	7	6.4				
8	GA - CV55 - ED - 4	6.8	5.5	400	12	1450	65	65	H	14	13.6	13	12.6	12.1	11.5	11	10.4	9.6	9	8.3	7.6	6.8	6.1			

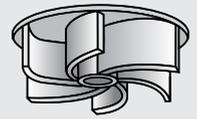
INSTALLATION SIZES * DIMENSIONI DI INSTALLAZIONE * УСТАНОВОЧНЫЕ РАЗМЕРЫ * DIMENSIONS D'INSTALLATION * DIMENSIONES DE INSTALACIÓN * DIMENSÕES DE INSTALAÇÃO																															
Nr	Modello - Type	A max	A1	A2	B	B1	B2	C	C1	C2	D	D1	E	F	F2	F3	H	J	X	Y	Z	Z1	Z2	Z3	Z4	Z6	DN3	P3	P4	V	KG
1	GA - CV11 - ET - 4	475	300	160	260	154	255	220	110	55	635	356	56	59	105	205	400	134	130	42.4	84	100	12	50	96	132	65	330	515	65	39
2	GA - CV15 - ET - 4	475	300	160	250	154	255	220	110	55	635	356	56	59	105	205	400	134	130	42.4	84	100	12	50	96	132	65	330	515	65	39
3	GA - CV22 - ET - 4	540	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	300	570	80	52
4	GA - CV35 - ET - 4R	540	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	300	570	80	53
5	GA - CV35 - ET - 4	540	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	300	570	80	53
6	GA - CV42 - ET - 4R	540	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	300	570	80	55
7	GA - CV42 - ET - 4	540	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	300	570	80	55
8	GA - CV55 - ED - 4	590	325	168	320	165	265	300	150	106	780	430	45	80	125	225	460	160	145	60.3	95	150	14	120	120	175	80	350	620	80	58

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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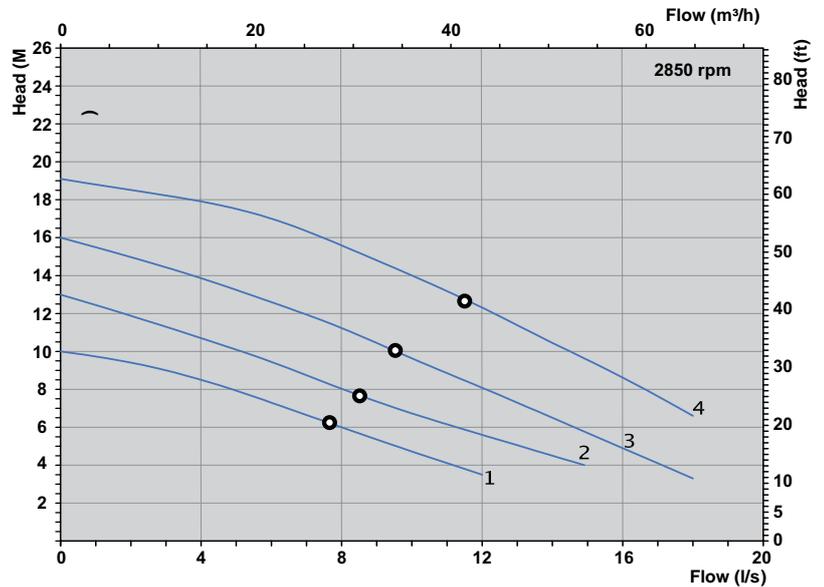
**GB**



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

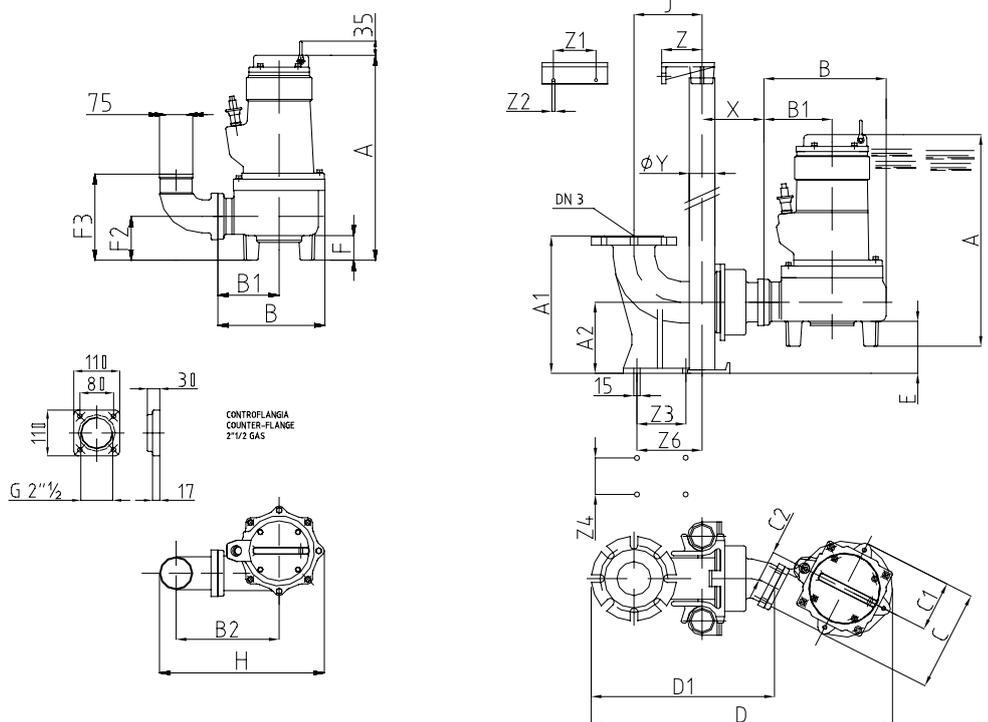
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS										PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCE · RENDIMENTO · EXECUÇÃO												
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	2	4	6	8	10	12	14	16	18	20	
											H m	0	7	14	21.6	28.8	36	43.2	50.4	57.6	64.8	72
1	GB - CV11 - EMs - R	1.5	1.1	230	40	8	2850	65	50	10	9.4	8.5	7.3	6	4.7	3.5						
1	GB - CV11 - ET - R	1.4	1.1	400		3	2850	65	50	10	9.4	8.5	7.3	6	4.7	3.5						
2	GB - CV18 - ET - RR	2.3	1.85	400		4	2850	65	50	13	11.9	10.7	9.5	8	6.7	5.6	4.5					
3	GB - CV26 - ET - RR	3.2	2.6	400		5.8	2850	65	50	16	15	13.9	12.6	11.3	9.6	8.1	6.5	4.9				
4	GB - CV40 - ET - R	4.9	4	400		9	2850	65	50	19.1	18.5	17.9	17	15.6	14	12.3	10.4	8.7	6.6			

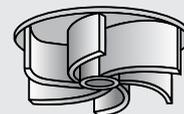
INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ · DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO																											
Nr	Modello - Type	A max	A1	A2	B	B1	B2	C	C1	C2	D	D1	E	H	J	X	Y	Z	Z1	Z3	Z4	Z6	DN3	P3	P4	V	KG
1	GB - CV11 - EMs - R	475	300	160	250	154	255	220	110	55	635	355	56	400	134	130	42.4	84	100	90	100	140	65	320	510	65	31
1	GB - CV11 - ET - R	475	300	160	250	154	255	220	110	55	635	355	56	400	134	130	42.4	84	100	90	100	140	65	320	510	65	31
2	GB - CV18 - ET - RR	475	300	160	250	154	255	220	110	55	635	355	56	400	134	130	42.4	84	100	90	100	140	65	320	510	65	33
3	GB - CV26 - ET - RR	485	300	160	250	145	242	220	110	55	635	355	56	400	134	130	42.4	84	100	90	100	140	65	310	525	65	40
4	GB - CV40 - ET - R	505	325	168	270	148	258	240	120	72	707	430	64	425	160	145	60.3	95	150	120	120	175	80	345	555	80	51

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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# G Series

## Submersible pumps

### Vortex Impeller

#### G - Series

1.2 - 48 kW

Discharge size

DN 65 ÷ 100

## Elettropompe sommergibili

### Girante Vortex

#### Serie - G

1.2 - 48 kW

Mandata

DN 65 ÷ 100

## Погружные электронасосы

### С вихревым рабочем колесо

#### Серия - G

1.2 - 48 kW

выходное отверстие

DN 65 ÷ 100

## Electropompes submersibles

### Roue Vortex

#### Série - G

1.2 - 48 kW

Diam. refoulement

DN 65 ÷ 100

## Bombas sumergibles

### Turbina Vortex

#### Modelo - G

1.2 - 48 kW

Diámetro impulsión

DN 65 ÷ 100

## Bombas eléctricas submergíveis

### Giratória a Vórtice

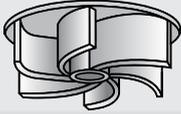
#### Série - G

1.2 - 48 kW

Diâmetro boca

DN 65 ÷ 100

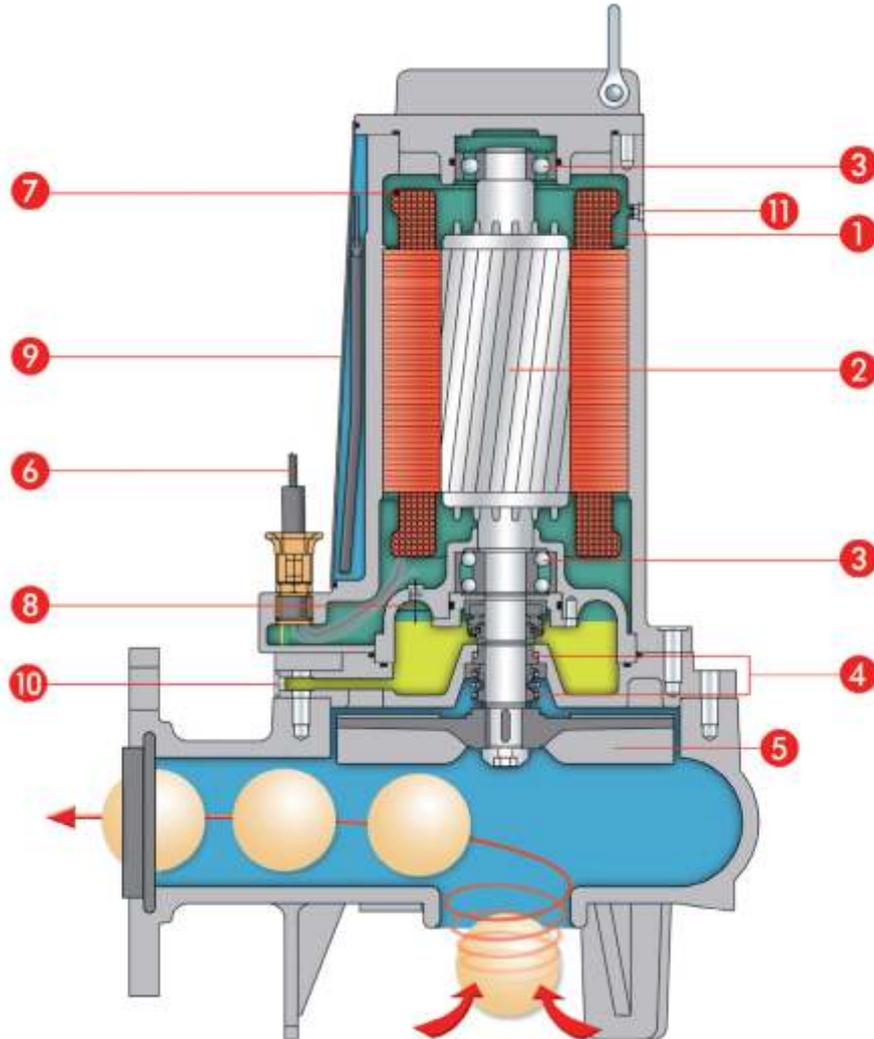




Technical features  
Caratteristiche costruttive

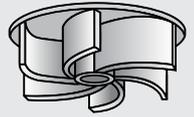
Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 1450 - 2850 rpm.  
Voltage: three-phase 3x380/415V-50 Hz.  
Diferent voltage and frequency on request.
2. Shat in stainless steel AISI 420
3. Pre-lubricated long-life bearings
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: silicon carbide/silicon carbide
5. Cast iron Vortex Impeller with high efficiency
6. Cable H07RNF
7. Thermal protection embedded in winding (optional)
8. Oil chamber probe (optional)
9. Cooling jacket
10. Oil inspection plug
11. Air Plug Hole for the motor water tightness control

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP68  
Giri: 1450-2850 al min  
Voltaggio: trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta
2. Albero in acciaio AISI 420
3. Cuscinetti prelubrificati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: carburo di silicio/carburo di silicio
5. Girante Vortex in ghisa ad alto rendimento
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento (optional)
8. Sonda camera olio
9. Camicia di raffreddamento
10. Ispezione olio
11. Controllo tenuta stagna motore



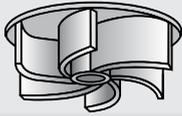
# G Series

1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 1450-2850 об./мин. Напряжение: 3x380/415 В 50 Гц. Другие напряжения и частота под заказ.
2. Вал из нержавеющей стали AISI 420
3. Долгосрочные подшипники со смазкой
4. Двойное мех. уплотнение в масляной камере. С гидравлической стороны: карбид кремния/ карбид кремния  
Со стороны двигателя: карбид кремния/карбид кремния
5. Рабочее колесо вихревого типа из чугуна с высоким КПД
6. Кабель H07RNF
7. Встроенная теплозащита в обмотке (опция)
8. Датчик в масляной камере (опция)
9. Охлаждающая рубашка (опция)
10. Окошко для контроля масла
11. Контроль герметичности двигателя

1. Moteur entièrement submergé étanche à l'eau  
Classe d'isolation H. indice de protection IP 68  
Vitesse de rotation: 1450 - 2850 tr/mn  
Bobinage tri: 3x380/415V Fréquence: 50 Hz  
Autres tensions et fréquences sur demande .
2. Arbre moteur en acier AISI 420
3. Roulements surdimensionnés lubrifiés à vie
4. Double garniture mécanique en chambre huile  
Garniture inférieure: Carbure de silicium/Carbure de silicium  
Garniture supérieure: Carbure de silicium/Carbure de silicium
5. Roue vortex en fonte à haute performance
6. Cable H07RNF
7. Protection thermique intégré dans le bobinage (en option)
8. Détecteur d'infiltration dans la chambre à huile
9. Chemise de refroidissement
10. Inspection de l'huile
11. Contrôle moteur étanche à l'eau

1. Motor completamente sumergido estanco  
Clase de aislamiento H. Protección IP-68.  
Velocidad: 1450 - 2850 rpm/mín  
Voltaje: trifásico 3 x 380/415V 50 Hz  
Otros voltajes y frecuencias a demanda.
2. Eje Acero inoxidable AISI 420
3. Cojinetes sobredimensionados lubricados indeinatamente
4. Doble cierre mecánico en cámara de aceite  
Carburo de silicio/Carburo de silicio en el lado agua.  
Carburo de silicio/Carburo de silicio en el lado motor.
5. Impulsor vortex de hierro fundido alta eficiencia
6. Cable H07RNF
7. Protector térmico en el bobinado (opcional)
8. Detector de infiltraciones en la cámara de aceite
9. Camisa de refrigeración (opcional)
10. Inspección aceite
11. Control de motor estanco

1. Motor totalmente submerso estanque  
Isolamentos em classe H. Grau de proteção IP 68  
rpm: 1450 - 2850  
Tensão: trifásica 3x380/415V-50  
Outras tensões e frequências a pedido.
2. Eixo em aço AISI 420
3. Chumaceiras sobredimensionados isentes de manutenção
4. Duplo contenção na câmara óleo  
Contenção inferior: carboneto de silício  
Contenção superior: carboneto de silício
5. Giratória a vórtice em ferro fundido alta eficiência
6. Cabo H07RNF
7. Proteção térmica nas bobines (opcional)
8. Detector da infiltração na câmara óleo (opcional)
9. Camisa de resfriamento
10. Inspeção de óleo
11. Controle motor estanque



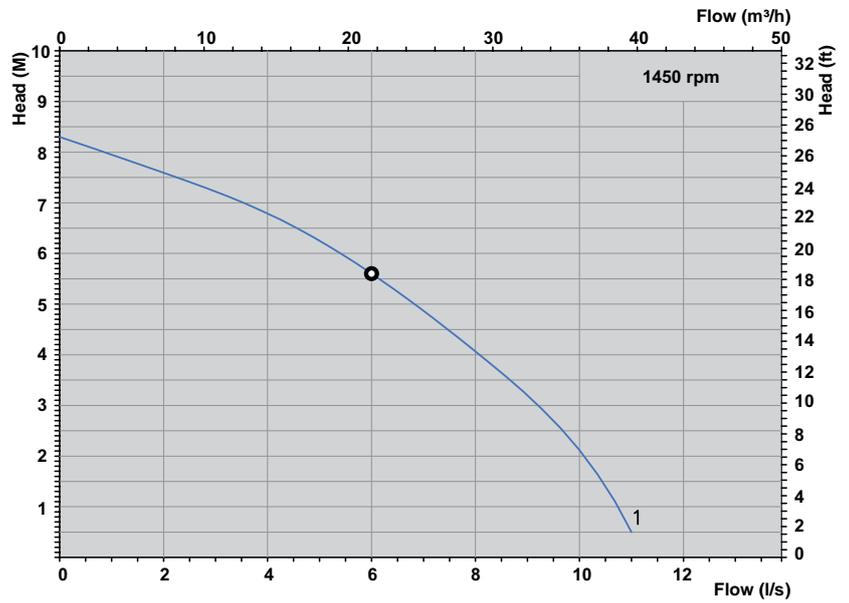
# GB - 4



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CURVE DI PRESTAZIONE

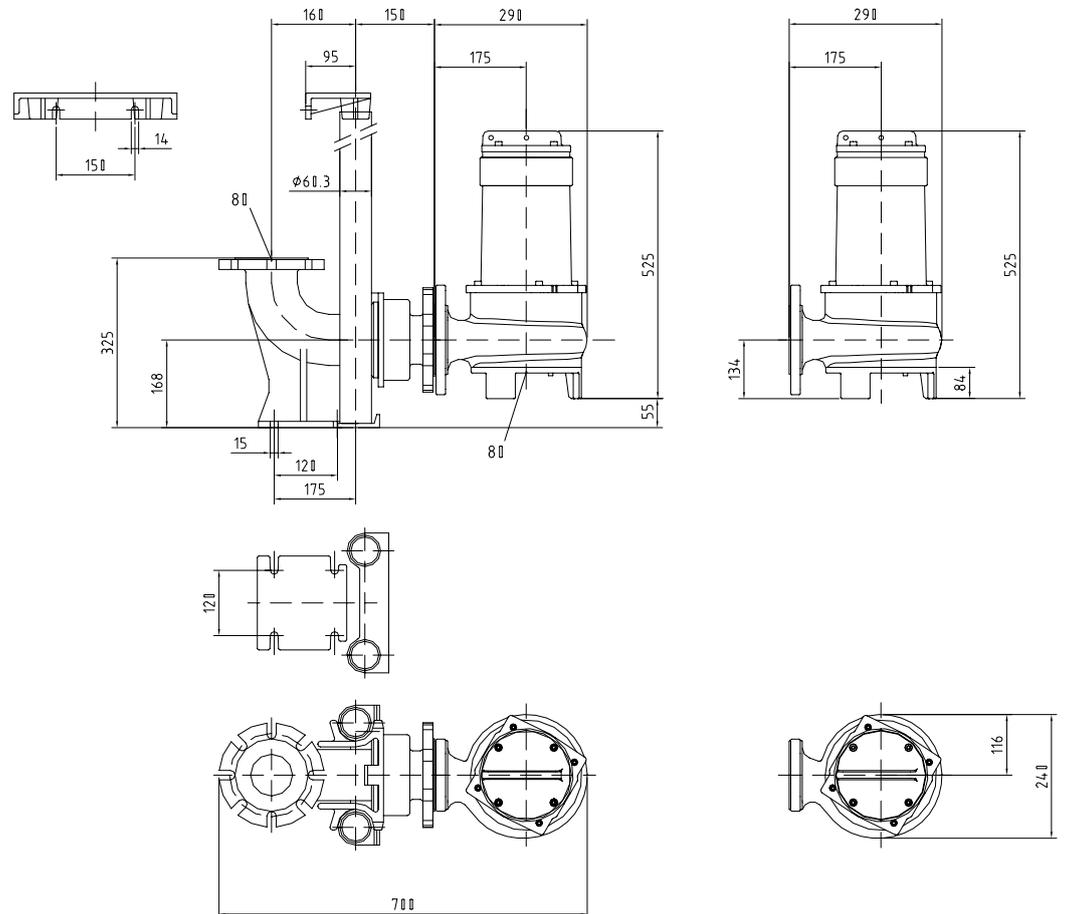
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

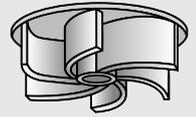


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Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec	0	2	4	6	8	10	11
1	GB - CV10 - FT - 4	1.25	1	400	2.7	1450	80	50	m³/h	0	7.2	14.4	21.6	28.8	36	39.6
									H m	8.3	7.6	6.8	5.6	4.1	2.2	0.5

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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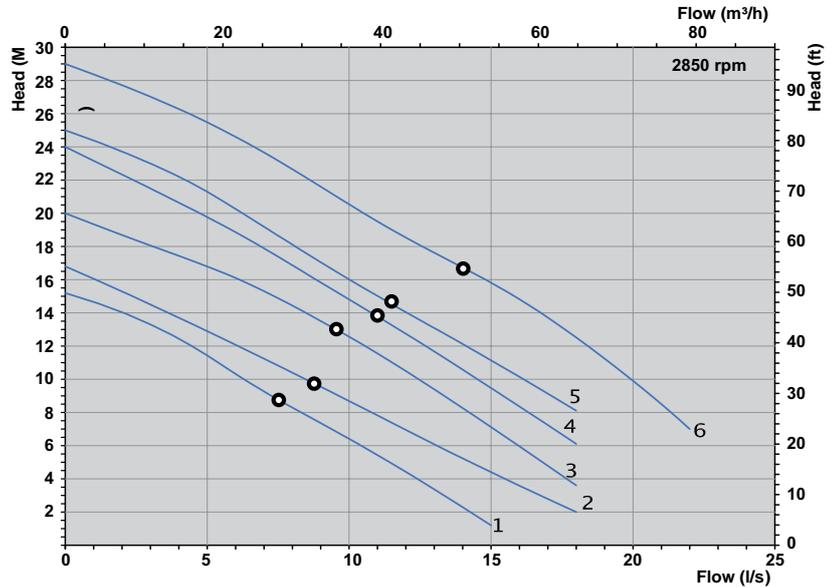
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

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COURBE CARACTÉRISTIQUE

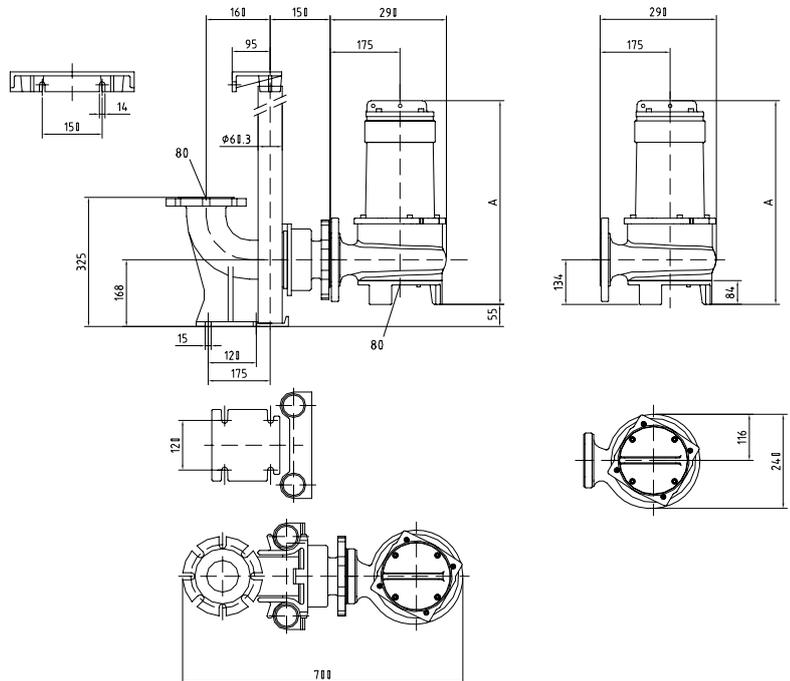
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CURVA CARACTERÍSTICA



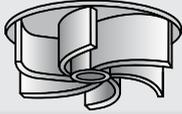
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Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	3	6	9	12	15	18	21	22
										H m								
1	GB - CV11 - FT	1.3	1.1	400	2.5	2850	80	50	15.2	10.8	21.6	32.4	43.2	54	64.8	75.6	79.2	
2	GB - CV18 - FT - R	2.3	1.85	400	4	2850	80	50	16.8	14.5	12	9.5	7	4.5	2			
3	GB - CV26 - FT - R	3.3	2.6	400	5.8	2850	80	50	20	18	16.1	13.5	10.5	6.5	3.5			
4	GB - CV30 - FT - R	3.7	3	400	6.1	2850	80	50	24	21.5	19	15.8	12.8	9.5	6.1			
5	GB - CV40 - FT - R	4.9	4	400	9	2850	80	50	25	23	20.3	17	14	11.2	8.1			
6	GB - CV55 - FD - RR	6.8	5.5	400	12	2850	80	50	29	27	24.6	21.6	18.5	15.8	12.5	8.5	7	

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACION · DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	V	KG
1	GB - CV11 - FT	507	80N	41
2	GB - CV18 - FT - R	507	80N	42
3	GB - CV26 - FT - R	507	80N	44
4	GB - CV30 - FT - R	513	80N	45
5	GB - CV40 - FT - R	513	80N	49
6	GB - CV55 - FD - RR	563	80N	57

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
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DIMENSÕES GLOBAIS



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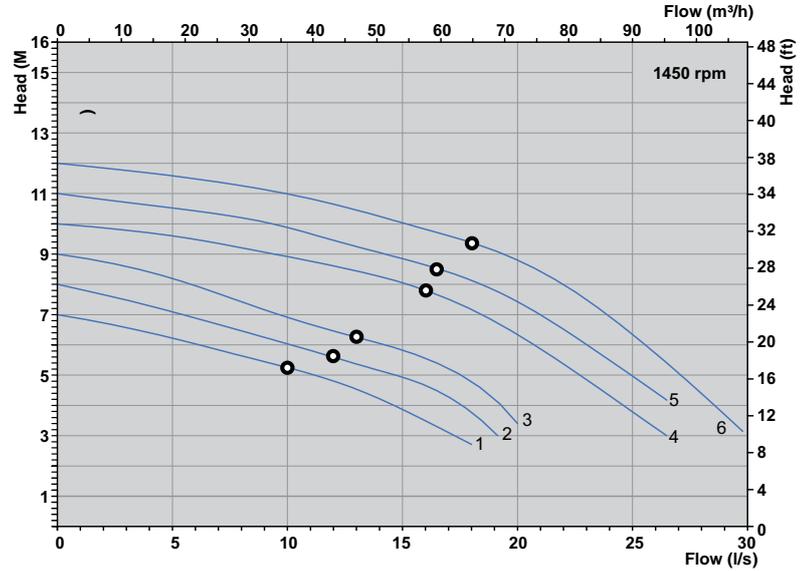
# GA - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

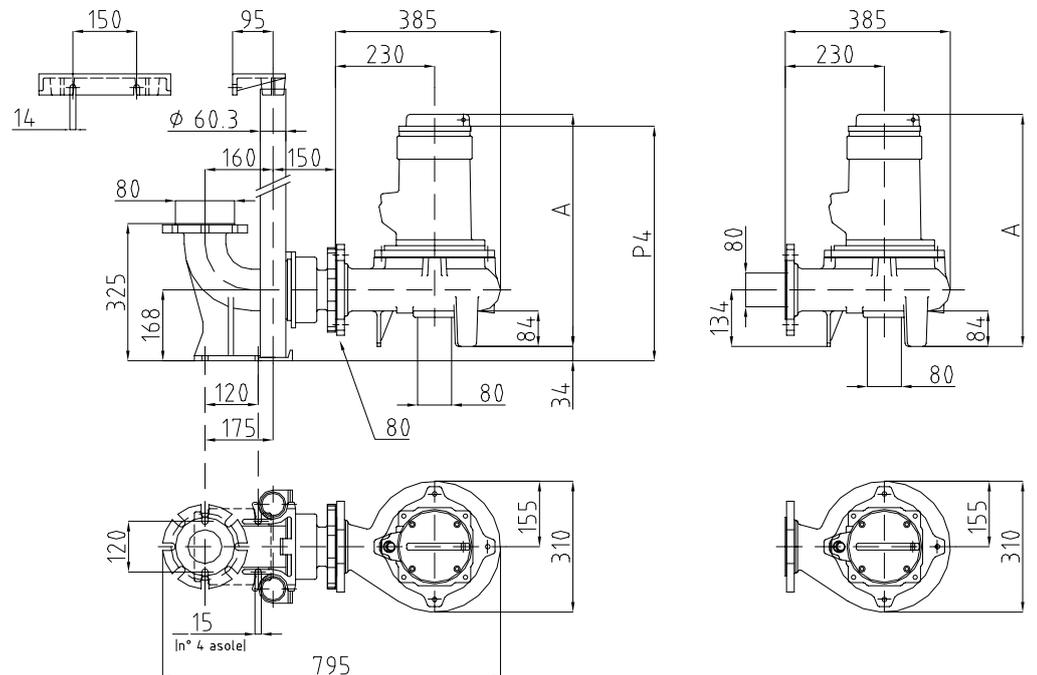
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CURVA CARACTERÍSTICA



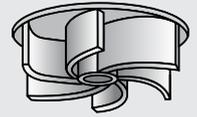
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Nr	Modello - Type	P1 kW	P2 kW	Vbit	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	4	8	12	16	20	24	28	
1	GA - CV13 - FT - 4	1.5	1.3	400	4.2	1450	80	68	H m	0	14	29	43.2	57.6	72	86.4	100.8	
2	GA - CV17 - FT - 4	1.9	1.7	400	4.5	1450	80	68		7	6.4	5.6	4.8	3.5				
3	GA - CV22 - FT - 4	2.9	2.2	400	5	1450	80	68		8	7.3	6.4	5.6	4.6				
4	GA - CV30 - FT - 4	3.8	3	400	7	1450	80	68		9	8.4	7.4	6.4	5.5	3.4			
5	GA - CV35 - FT - 4	4	3.5	400	8	1450	80	68		10	9.7	9.2	8.6	7.8	6.3	4.4		
6	GA - CV42 - FT - 4	5	4.2	400	9.2	1450	80	68		11	10.6	10.2	9.4	8.6	7.4	5.5		
										12	11.7	11.3	10.7	9.8	8.8	6.9	4.5	

INSTALLATION SIZES * DIMENSIONI DI INSTALLAZIONE * УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION * DIMENSIONES DE INSTALACIÓN * DIMENSÕES DE INSTALAÇÃO					
Nr	Modello - Type	A max	P4	V	KG
1	GA - CV13 - FT - 4	540	560	80N	62
2	GA - CV17 - FT - 4	540	560	80N	62
3	GA - CV22 - FT - 4	540	560	80N	62
4	GA - CV30 - FT - 4	560	580	80N	68
5	GA - CV35 - FT - 4	560	580	80N	68
6	GA - CV42 - FT - 4	610	580	80N	68

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
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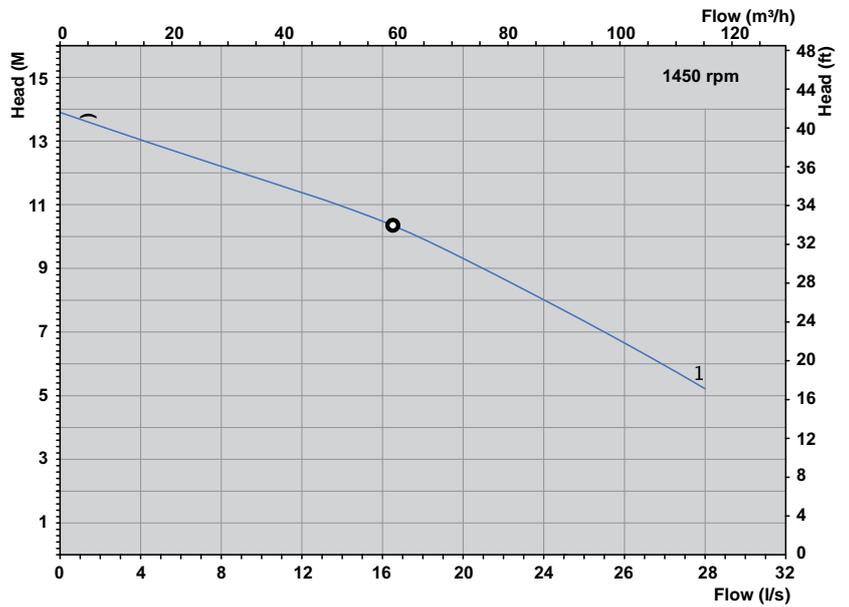
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

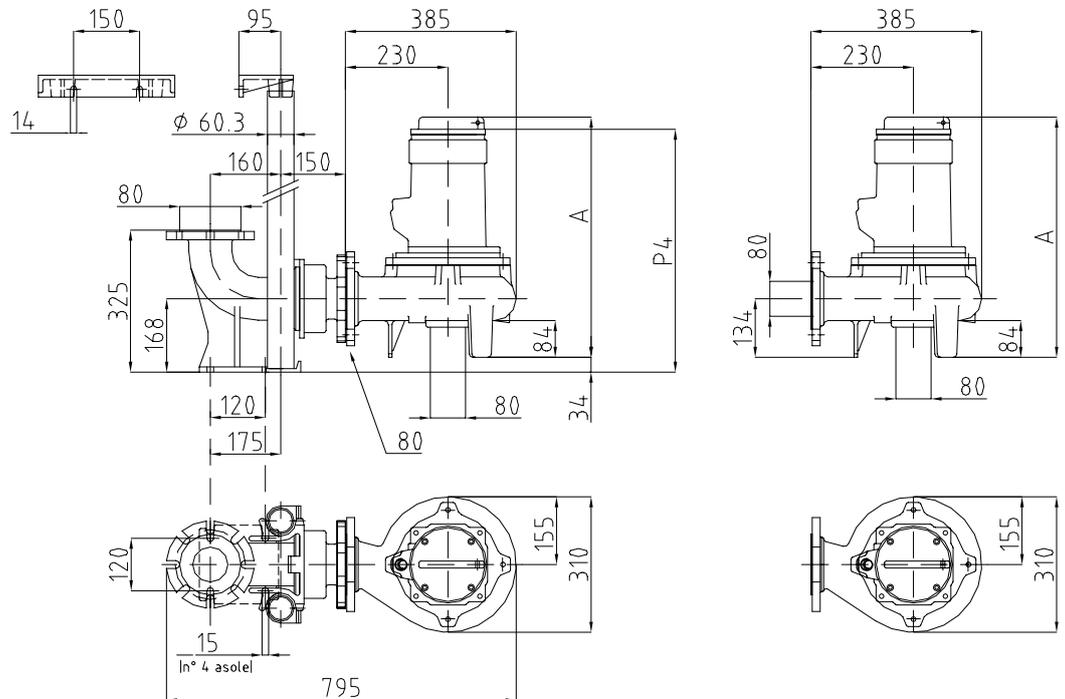
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

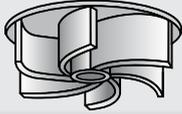


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Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	4	8	12	16	20	24	28
1	GA - CV55 - FD - 4R	6.8	5.5	400	12	1450	80	72	80N	70	H m	13.9	13	12.2	11.4	10.5	9.3	8	5.2

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
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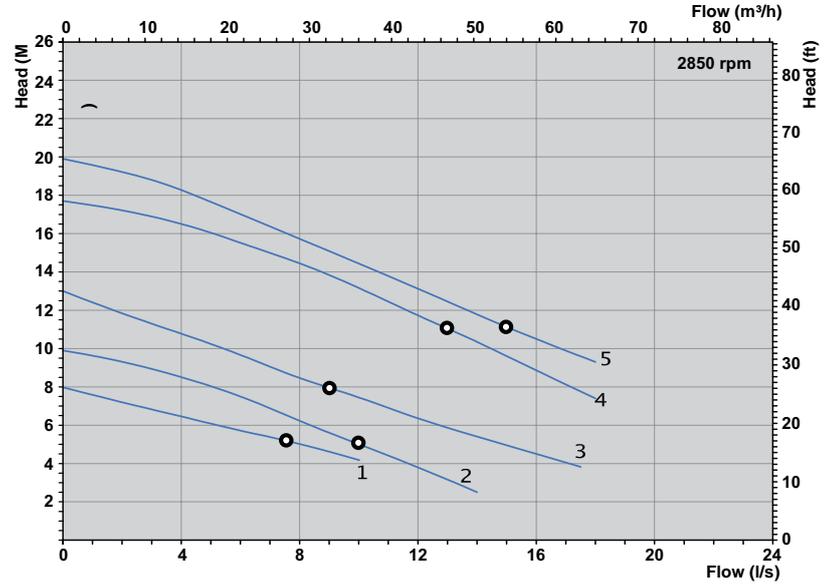
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

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COURBE CARACTÉRISTIQUE

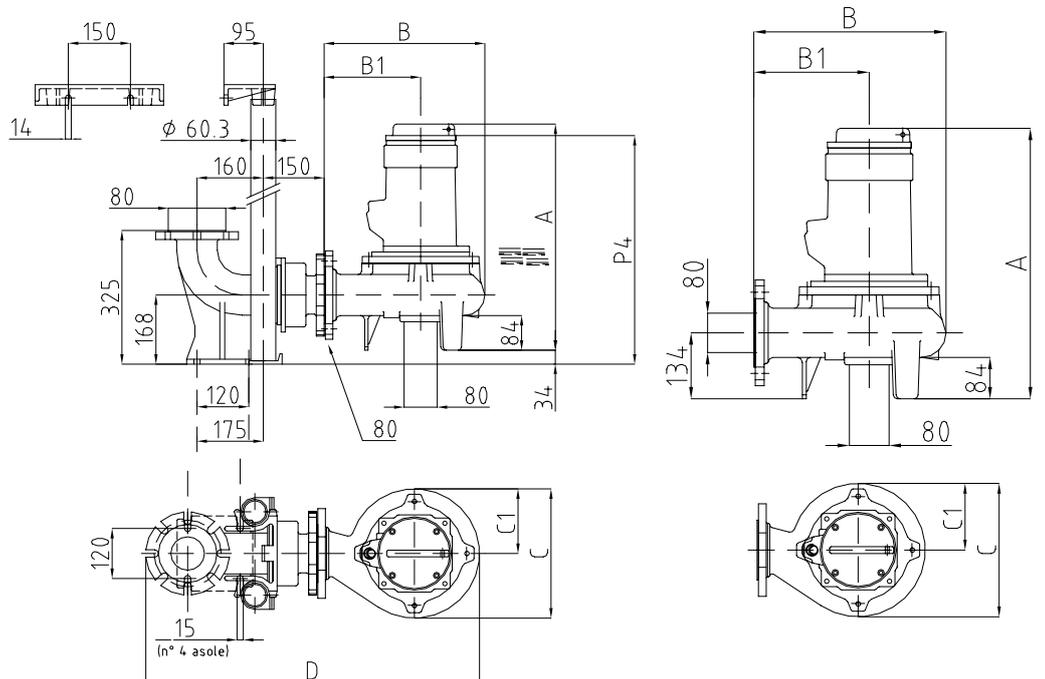
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CURVA CARACTERÍSTICA



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Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	2	4	6	8	10	12	14	16	18		
											H m	0	7.2	14.4	21.6	28.8	36	43.2	50.4	57.6	64.8	
1	GB - CV12 - FMs	1.5	1.2	230	30	7	2850	80	80	8	7.2	6.5	5.7	5.1	4.2							
1	GB - CV12 - FT	1.5	1.2	400		3.1	2850	80	80	8	7.2	6.5	5.7	5.1	4.2							
2	GB - CV18 - FT	2.3	1.85	400		4.4	2850	80	80	9.9	9.3	8.5	7.5	6.2	5	3.8	2.5					
3	GB - CV26 - FT	3.2	2.6	400		5.5	2850	80	80	13	11.8	10.8	9.7	8.4	7.5	6.3	5.4	4.5				
4	GB - CV40 - FT	5	4	400		8.9	2850	80	80	17.7	17.2	16.5	15.4	14.5	13.2	11.7	10.4	8.7	7.4			
5	GB - CV55 - FD	7	5.5	400		12	2850	80	80	19	18.2	17.3	16.2	15.2	14.5	13.2	11.7	10.5	9.3			

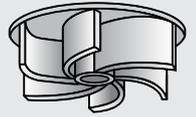
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Nr	Modello - Type	A max	B	B1	C	C1	D	P4	V	KG	
1	GB - CV12 - FMs	490	280	180	212	106	690	546	80N	25	
1	GB - CV12 - FT	490	280	180	212	106	690	546	80N	25	
2	GB - CV18 - FT	540	280	180	212	108	690	596	80N	62	
3	GB - CV26 - FT	540	280	180	212	108	690	596	80N	62	
4	GB - CV40 - FT	560	385	230	310	155	795	616	80N	68	
5	GB - CV55 - FD	610	385	230	310	155	795	666	80N	70	

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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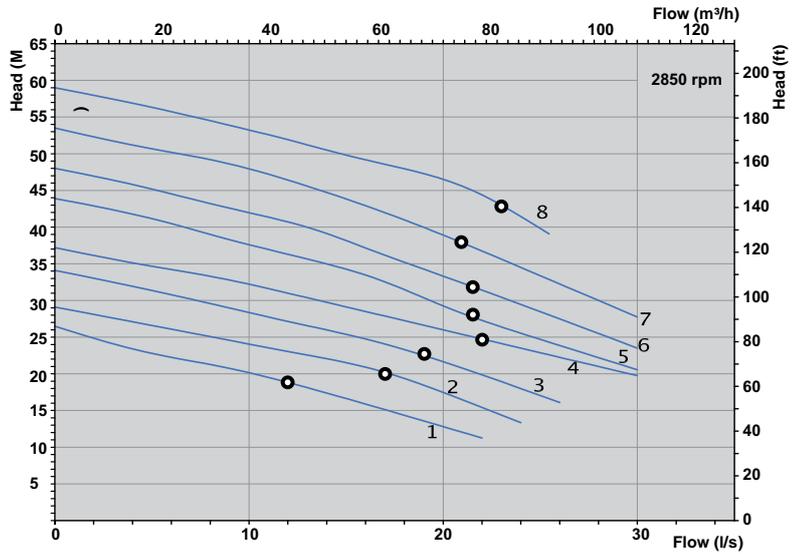
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



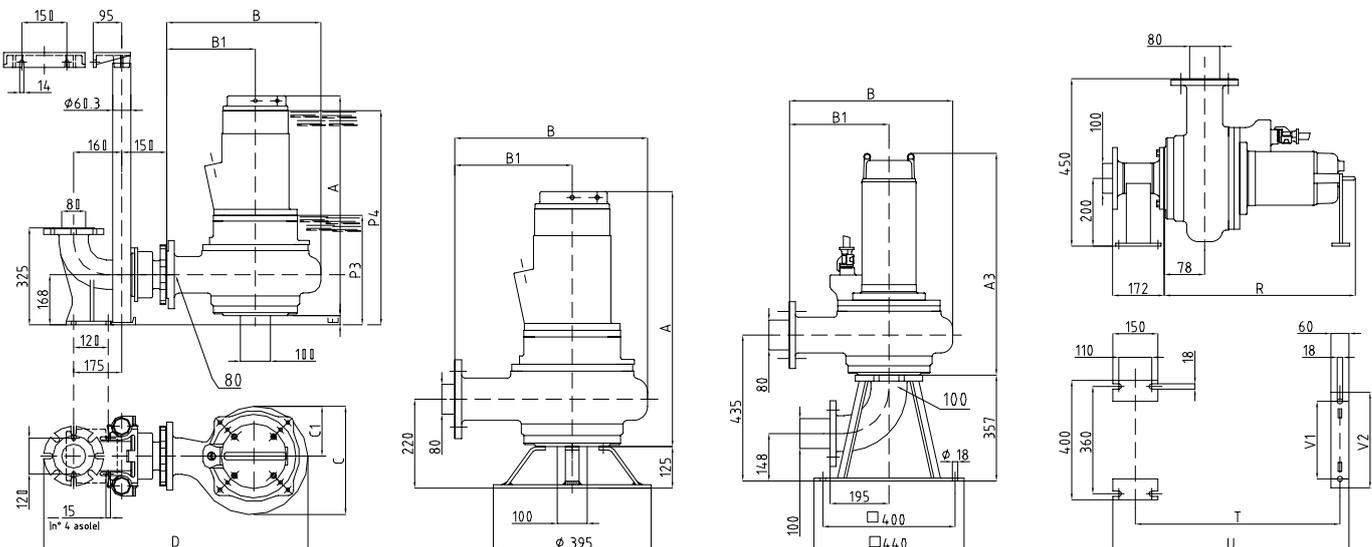
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Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	4	8	12	16	20	24	28
1	GB - CV75 - FD	9.3	7.5	400	16	2850	80	80		0	14	29	43.2	57.6	72	86.4	100.8
2	GB - CV95 - FD	10.8	9.5	400	19	2850	80	80	26.5	23.2	21	18.8	16	12.8			
3	GB - CV110 - FD	13.5	11	400	22	2850	80	80	29.1	27.1	25.1	23	20.9	17.5			
4	GB - CV190 - FD - R	21.8	19	400	37	2850	80	80	34.1	32	29.6	27.1	24.9	21.8	18		
5	GB - CV190 - FD	22	19	400	37	2850	80	80	37.2	35	33.5	31	28.5	26	23.5	21	
6	GB - CV220 - FD	25	22	400	40	2850	80	80	43.9	41.8	39	36.3	33.5	29.3	25.5	22.2	
7	GB - CV240 - FD	27.5	24	400	46	2850	80	80	48	46	43	41.5	37	33.5	29.5	25.5	
8	GB - CV280 - FD	28	28	400	49	2850	80	80	53.5	51	49.5	46.5	43	39	34.5	30	
									59	57	54.5	52	49	46.5	41.5		

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ · DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO																		
Nr	Modello - Type	A max	A3 max	B	B1	C	C1	D	E	P2	P4	R max	T max	U max	V1	V2	V	KG
1	GB - CV75 - FD	643	775	365	220	312	147	780	71	420	700	740	738	843	260	320	80N	118
2	GB - CV95 - FD	690	775	365	220	312	147	780	71	420	745	740	738	843	260	320	80N	147
3	GB - CV110 - FD	690	775	365	220	312	147	780	71	420	745	740	738	843	260	320	80N	148
4	GB - CV190 - FD - R	765	945	365	220	312	147	780	71	420	820	1050	1075	1180	310	370	80N	170
5	GB - CV190 - FD	945	945	410	252	316	158	820	90	450	960	1050	1075	1180	310	370	80N	176
6	GB - CV220 - FD	945	945	410	252	316	158	820	90	450	960	1050	1075	1180	310	370	80N	180
7	GB - CV240 - FD	1035	1035	410	252	316	158	820	90	450	1050	1050	1075	1180	310	370	80N	206
8	GB - CV280 - FD	1035	1035	410	252	316	158	820	90	450	1050	1050	1075	1180	310	370	80N	208

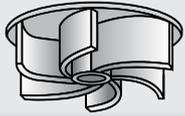
DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



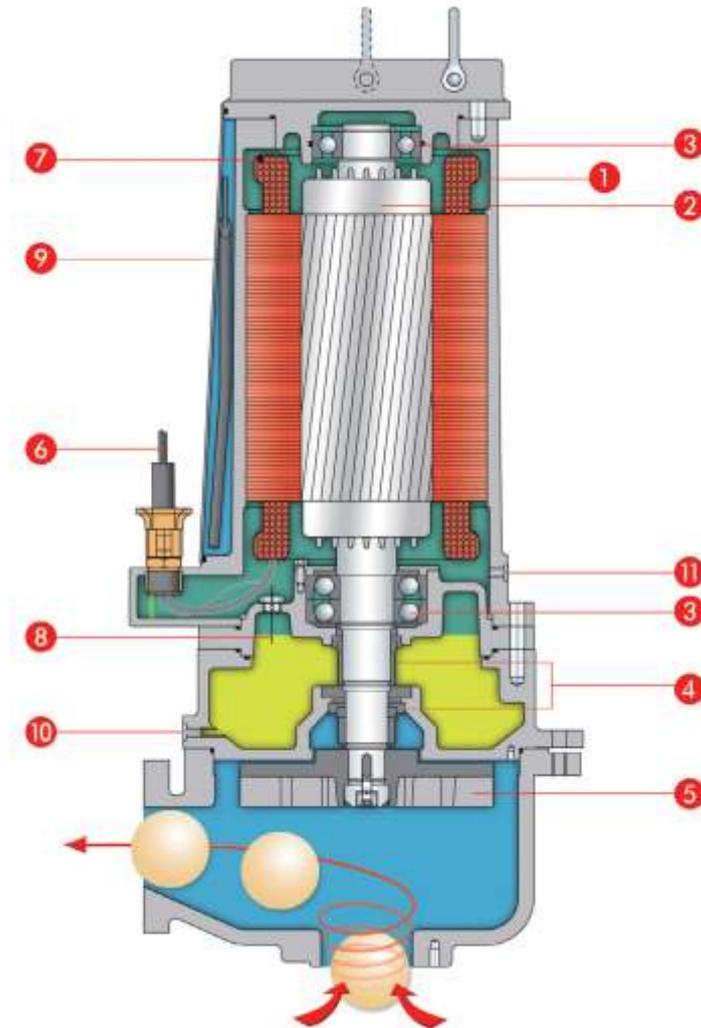
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Technical features  
Caratteristiche costruttive

Технические характеристики  
Caractéristiques de construction

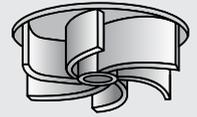
Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 1450 - 2850 rpm.  
Voltage: three-phase 3x380/415V-50 Hz.  
Diferent voltage and frequency on request.
2. Shat in stainless steel AISI 420
3. Pre-lubricated long-life bearings
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: silicon carbide/silicon carbide
5. Cast iron Vortex Impeller with high efficiency
6. Cable H07RNF
7. hermal protection embedded in winding (optional)
8. Oil chamber probe (optional)
9. Cooling jacket
10. Oil inspection plug
11. Air plug hole for the motor water tightness control

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP68  
Giri: 1450-2850 al min  
Voltaggio: trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta
2. Albero in acciaio AISI 420
3. Cuscinetti prelubrificati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: carburo di silicio/carburo di silicio
5. Girante Vortex in ghisa ad alto rendimento
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento (optional)
8. Sonda camera olio
9. Camicia di raffreddamento
10. Ispezione olio
11. Controllo tenuta stagna motore

# G Series



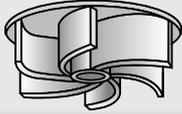
1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 1450-2850 об./мин. Напряжение: 3x380/415 В 50 Гц. Другие напряжения и частота под заказ.
2. Вал из нержавеющей стали AISI 420
3. Долгосрочные подшипники со смазкой
4. Двойное мех. уплотнение в масляной камере. С гидравлической стороны: карбид кремния/ карбид кремния  
Со стороны двигателя: карбид кремния/карбид кремния
5. Рабочее колесо вихревого типа из чугуна с высоким КПД
6. Кабель H07RNF
7. Встроенная теплозащита в обмотке (опция)
8. Датчик в масляной камере (опция)
9. Охлаждающая рубашка (опция)
10. Окошко для контроля масла
11. Контроль герметичности двигателя

1. Moteur entièrement submergé étanche à l'eau  
Classe d'isolation H. indice de protection IP 68  
Vitesse de rotation: 1450 - 2850 tr/mn  
Bobinage tri: 3x380/415V Fréquence: 50 Hz  
Autres tensions et fréquences sur demande .
2. Arbre moteur en acier AISI 420
3. Roulements surdimensionnés lubrifiés à vie
4. Double garniture mécanique en chambre huile  
Garniture inférieure: Carbure de silicium/Carbure de silicium  
Garniture supérieure: Carbure de silicium/Carbure de silicium
5. Roue vortex en fonte à haute performance
6. Cable H07RNF
7. Protection thermique intégré dans le bobinage (en option)
8. Détecteur d'infiltration dans la chambre à huile
9. Chemise de refroidissement
10. Inspection de l'huile
11. Contrôle moteur étanche à l'eau

1. Motor completamente sumergido estanco  
Clase de aislamiento H. Protección IP-68.  
Velocidad: 1450 - 2850 rpm/mín  
Voltaje: trifásico 3 x 380/415V 50 Hz  
Otros voltajes y frecuencias a demanda.
2. Eje Acero inoxidable AISI 420
3. Cojinetes sobredimensionados lubricados indeinatamente
4. Doble cierre mecánico en cámara de aceite  
Carburo de silicio/Carburo de silicio en el lado agua.  
Carburo de silicio/Carburo de silicio en el lado motor.
5. Impulsor vortex de hierro fundido alta eficiencia
6. Cable H07RNF
7. Protector térmico en el bobinado (opcional)
8. Detector de infiltraciones en la cámara de aceite
9. Camisa de refrigeración (opcional)
10. Inspección aceite
11. Control de motor estanco

1. Motor totalmente submerso estanque  
Isolamentos em classe H. Grau de proteção IP 68  
rpm: 1450 - 2850  
Tensão: trifásica 3x380/415V-50  
Outras tensões e frequências a pedido.
2. Eixo em aço AISI 420
3. Chumaceiras sobredimensionados isentas de manutenção
4. Duplo contenção na câmara óleo  
Contenção inferior: carboneto de silício  
Contenção superior: carboneto de silício
5. Giratória a vórtice em ferro fundido alta eficiência
6. Cabo H07RNF
7. Proteção térmica nas bobinas (opcional)
8. Detector da infiltração na câmara óleo (opcional)
9. Camisa de resfriamento
10. Inspeção de óleo
11. Controle motor estanque





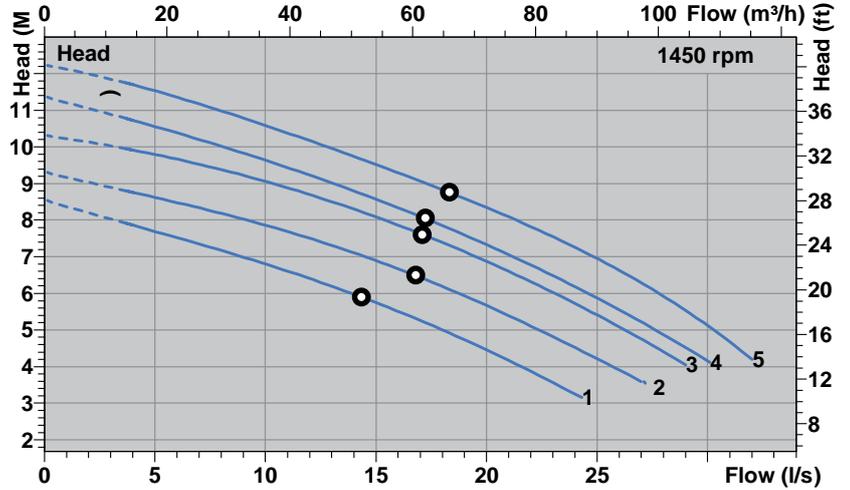
# GA - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

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COURBE CARACTÉRISTIQUE

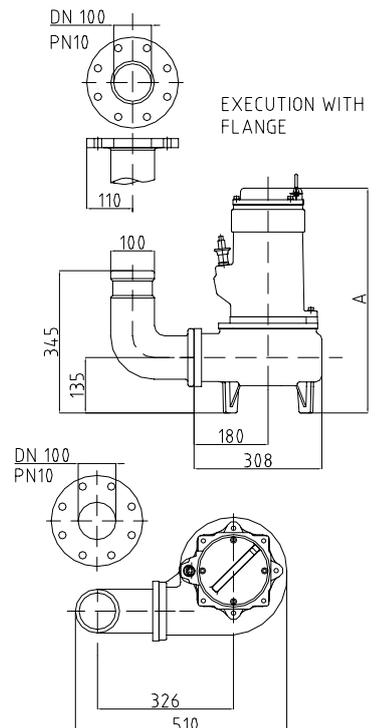
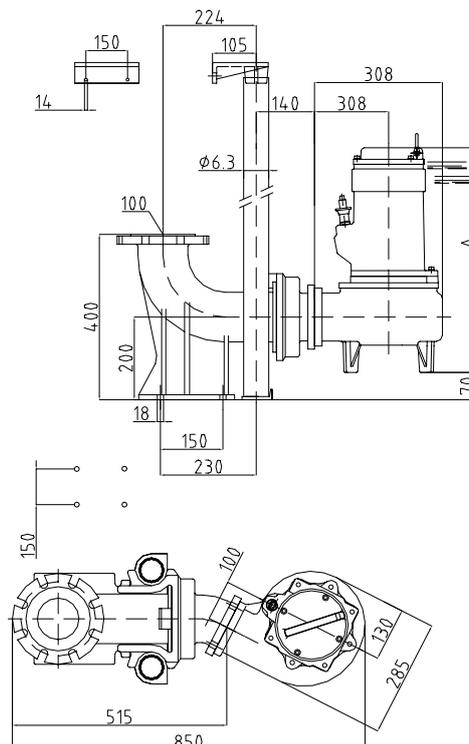
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



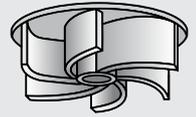
GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCES · RENDIMENTO · EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	4	8	12	16	20	24	28	32		
										0	14	29	43.2	57.6	72	86.4	100.8	115.2		
1	GA - CV22 - GT - 4	3	2.2	400	5.5	1450	100	80	H m	8.6	7.8	7.2	6.4	5.6	4.5	3.3				
2	GA - CV35 - GT - 4R	4	3.5	400	7.5	1450	100	80		9.4	8.7	8.2	7.6	6.8	5.7	4.5	3.6			
3	GA - CV35 - GT - 4	4	3.5	400	8	1450	100	80		10.3	9.8	9.4	8.8	8	6.9	5.8	4.4			
4	GA - CV42 - GT - 4	4.4	4.2	400	9.2	1450	100	80		11.4	10.7	10	9.3	8.4	7.3	6.4	4.9			
5	GA - CV55 - GD - 4	6	5.5	400	11	1450	100	80		12.3	11.7	11	10.2	9.4	8.4	7.2	6	4.2		

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	V	KG
1	GA - CV22 - GT - 4	462	100	52
2	GA - CV35 - GT - 4R	610	100	55
3	GA - CV35 - GT - 4	610	100	55
4	GA - CV42 - GT - 4	610	100	55
5	GA - CV55 - GD - 4	580	100	59

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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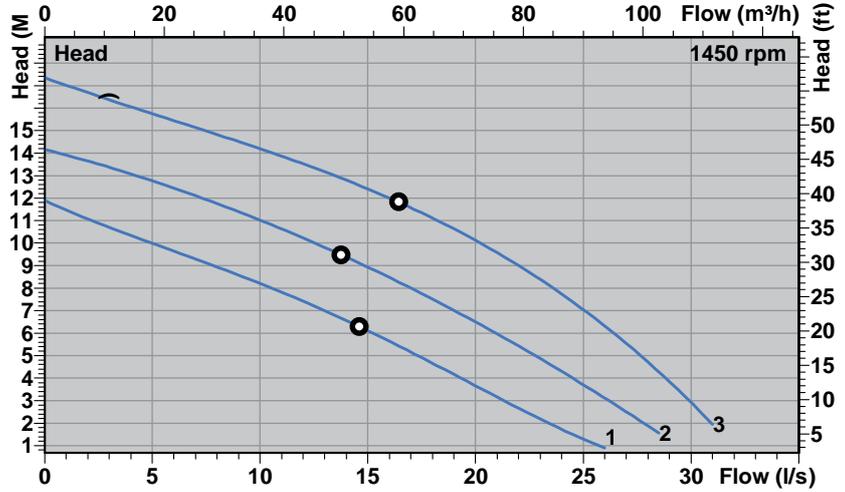
# GB - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

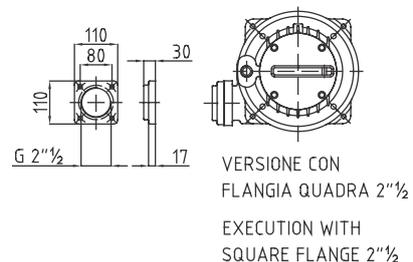
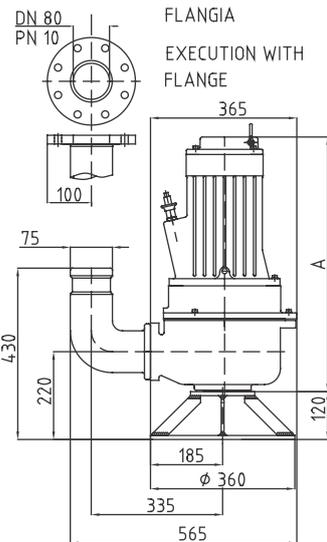
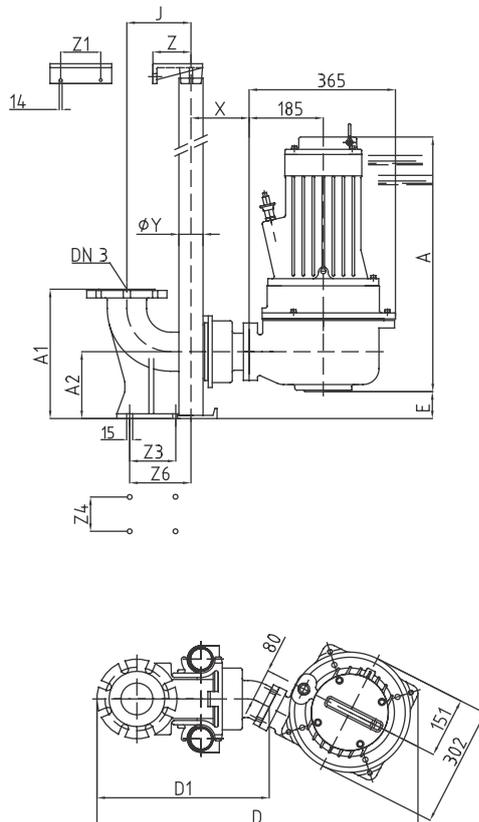
CURVA CARACTERÍSTICA  
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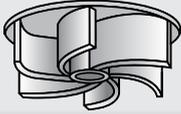
GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCES · RENDIMENTO · EXECUÇÃO									
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	I/sec m³/h	0	4	8	12	16	20	24	28	
1	GB - CV22 - ET - 4	3	2.2	400	5.5	1450	67	67	H m	11.9	10.3	8.8	7.4	5.7	3.7	1.7		
2	GB - CV35 - ET - 4	4.5	3.5	400	8	1450	67	67		14	12.8	11.6	10.2	8.6	6.6	4.4	1.7	
3	GB - CV50 - ET - 4	6.2	5	400	11	1450	67	67		17.3	16	14.9	13.7	12.2	10.2	7.7	4.6	

INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ · DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO																	
Nr	Modello - Type	A max	A1	A2	D	D1	E	J	X	Y	Z	Z1	Z3	Z4	Z6	V	KG
1	GB - CV22 - ET - 4	547	300	160	732	361	68	130	139	42.4	84	100	90	100	137	65	78
2	GB - CV35 - ET - 4	547	300	160	732	361	68	130	139	42.4	84	100	90	100	137	65	78
3	GB - CV50 - ET - 4	596	322	164	802	431	72	164	168	60.5	95	150	116	120	163	80	105

DIMENSIONI D'INGOMBRO  
DIMENSION DRAWINGS  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



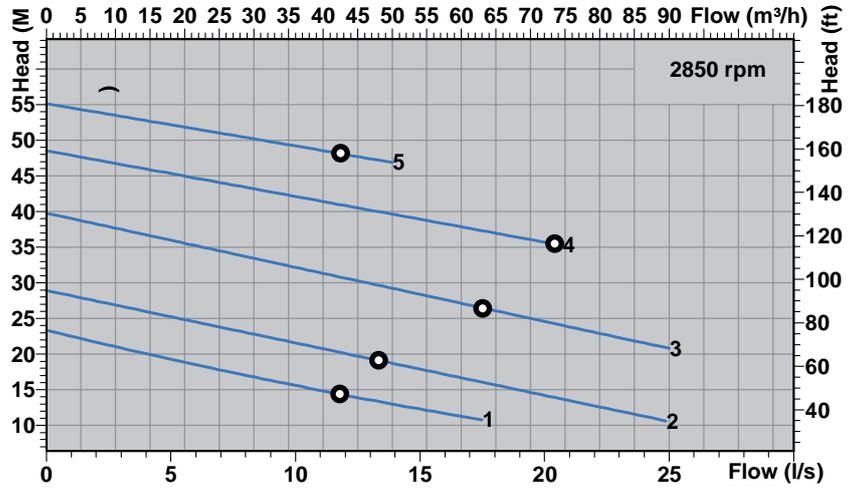
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PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

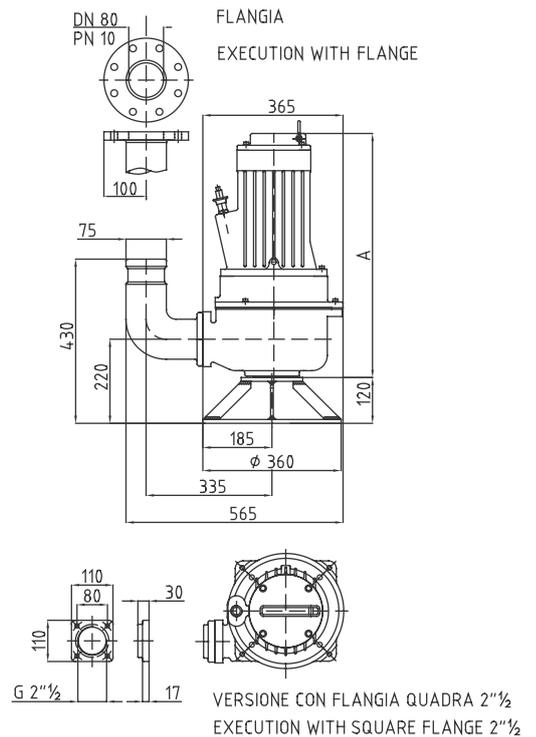
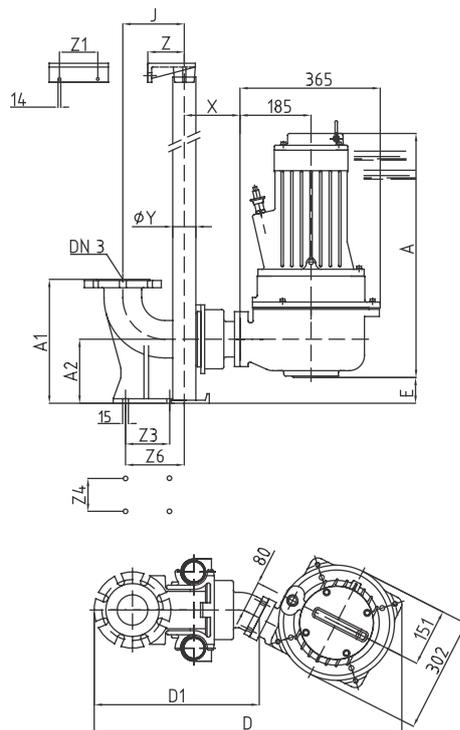
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CURVA CARACTERÍSTICA



GENERAL FEATURES * CARATTERISTICHE GENERALI * ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GÉNERALES * CARACTERÍSTICA GERAIS								PERFORMANCES * PRESTAZIONI * РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES * RENDIMENTO * EXECUÇÃO										
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	4	8	12	16	20	24	28	
1	GB - CV55 - ED	6.8	5.5	400	12	2850	67	67	H m	23.3	20	17	14	11.8				
2	GB - CV75 - ED	9.5	7.5	400	16	2850	67	67		28.6	26.1	23.1	20	17	14			
3	GB - CV110 - ED	12.5	11	400	22	2850	67	67		38.9	36.7	35	32	28.1	24.3	20.6		
4	GB - CV150 - ED	16.5	15	400	30	2850	67	67		48	46	43.1	41	38.1	35.7			
5	GB - CV185 - ED	20.8	18	400	32	2850	67	67		54.9	53	50	48					

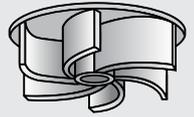
INSTALLATION SIZES * DIMENSIONI DI INSTALLAZIONE * УСТАНОВОЧНЫЕ РАЗМЕРЫ * DIMENSIONS D'INSTALLATION * DIMEN SIONES DE INSTALACIÓN * DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	V	KG
1	GB - CV55 - ED	596	80	84
2	GB - CV75 - ED	612	80	121
3	GB - CV110 - ED	658	80	131
4	GB - CV150 - ED	734	80	157
5	GB - CV185 - ED	734	80	161

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
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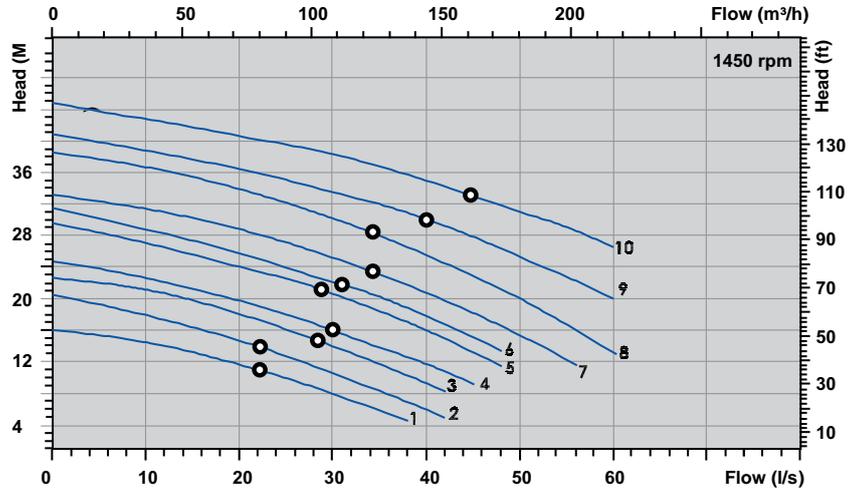
# GB - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

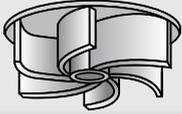
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCES · RENDIMIENTO · EXECUÇÃO																
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	H m	I/sec	0	5	15	25	30	35	40	45	50	55	60	65	70	75	
										m³/h	0	18	54	90	108	126	144	162	180	198	216	234	252	270	
1	GB - CV60 - GD - 4	7	6	400	13.8	1450	100	100		16	15.5	13.2	10.1	8.1	5.9										
2	GB - CV75 - GD - 4	9	7.5	400	16	1450	100	100		20.5	19.4	16.5	12.6	10.5	8.4	6									
3	GB - CV110 - GD - 4	12.5	11	400	22	1450	100	100		22.5	22	19.6	16	13.7	11.4	9.2									
4	GB - CV140 - GD - 4	17	14	400	30	1450	100	100		24.5	23.5	21.2	18	15.7	13.6	11.5	9.1								
5	GB - CV170 - GD - 4R	20.8	17	400	30	1450	100	100		29.5	28.3	25.7	22.5	20.6	18.5	16.2	13.4								
6	GB - CV170 - GD - 4	21.5	17	400	35	1450	100	100		31.5	30.1	27.3	24.1	22.4	20	17.6	15.1								
7	GB - CV220 - GD - 4	24.5	22	400	45	1450	100	100		33	32.2	30	27.4	25.5	23.2	20.7	18	15	12						
8	GB - CV260 - GD - 4	30	26	400	50	1450	100	100		38.5	37.7	35	32.1	30.2	28.2	25.8	23.2	20.2	16.5	12.5					
9	GB - CV340 - GD - 4	39	34	400	68	1450	100	100		41.5	39.9	37.9	35.5	33.6	31.9	30	27.7	25.2	23	20					
10	GB - CV480 - GD - 4	54.5	48	400	88	1450	100	100		44.5	43.6	41.8	39.6	38.2	36.7	34.9	33	31	29	26.8					

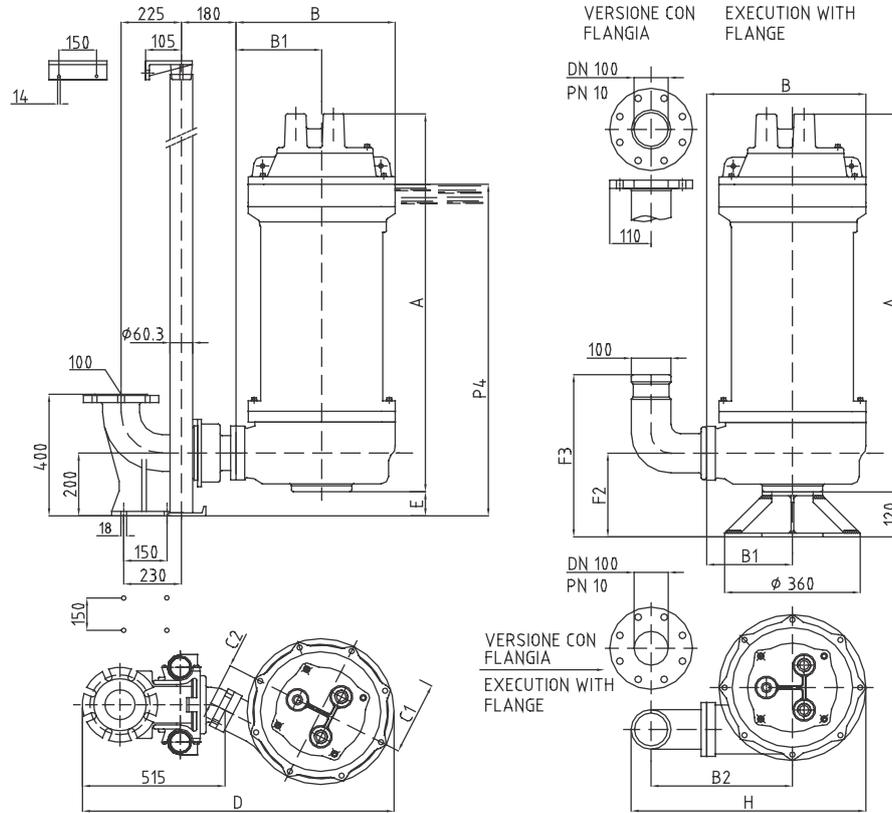
\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

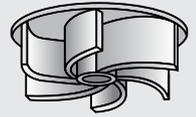
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ · DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO																
Nr	Modello - Type	A <sub>max</sub>	B	B1	B2	C	C1	C2	D	E	F2	F3	H	P4	V	KG
1	GB - CV60 - GD - 4	643	412	225	375	374	196	135	951	96	434	224	605	695	100	116
2	GB - CV75 - GD - 4	643	412	225	375	374	196	135	951	96	434	224	605	695	100	126
3	GB - CV110 - GD - 4	689	412	225	375	374	196	135	951	96	434	224	605	735	100	144
4	GB - CV140 - GD - 4	795	541	290	440	502	251	191	1103	92	425	215	750	837	100	184
5	GB - CV170 - GD - 4R	795	541	290	440	502	251	191	1103	92	425	215	750	837	100	196
6	GB - CV170 - GD - 4	795	541	290	440	502	251	191	1103	92	425	215	750	837	100	200
7	GB - CV220 - GD - 4	828	541	290	440	502	251	191	1103	92	425	215	750	864	100	230
8	GB - CV260 - GD - 4	828	541	290	440	502	251	191	1103	92	425	215	750	864	100	251
9	GB - CV340 - GD - 4R	1026	541	290	440	502	251	191	1103	92	425	215	750	932	100	341
10	GB - CV340 - GD - 4	1172	541	290	440	502	251	191	1103	92	425	215	750	1078	100	442

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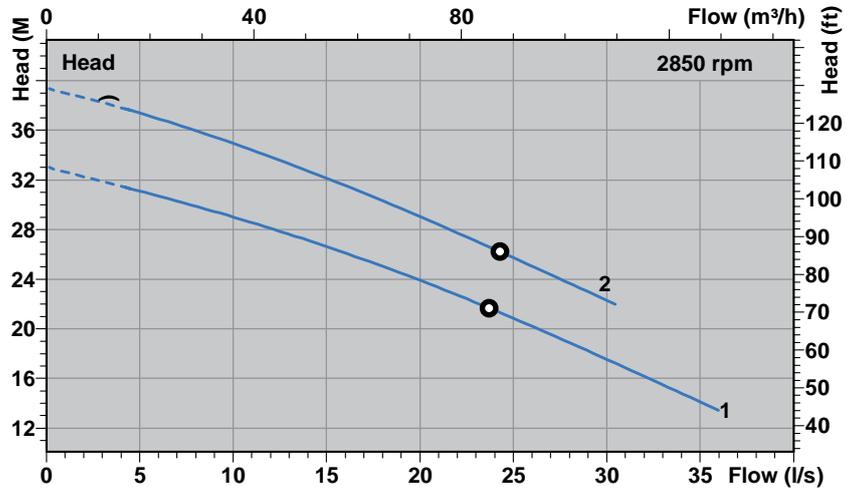


**GB**

PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

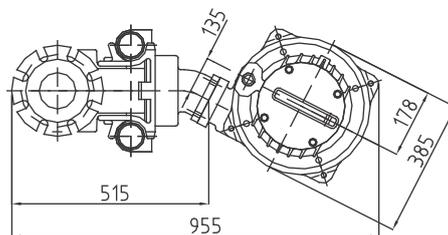
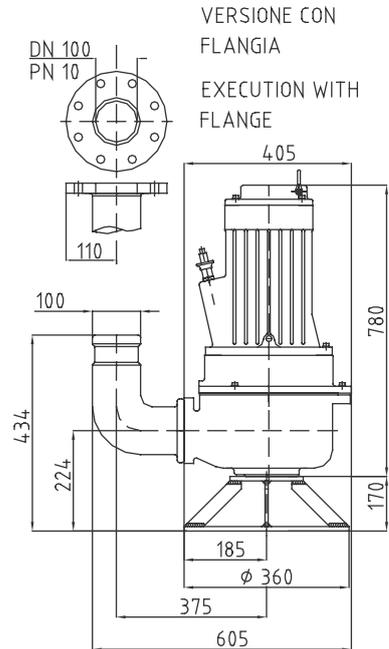
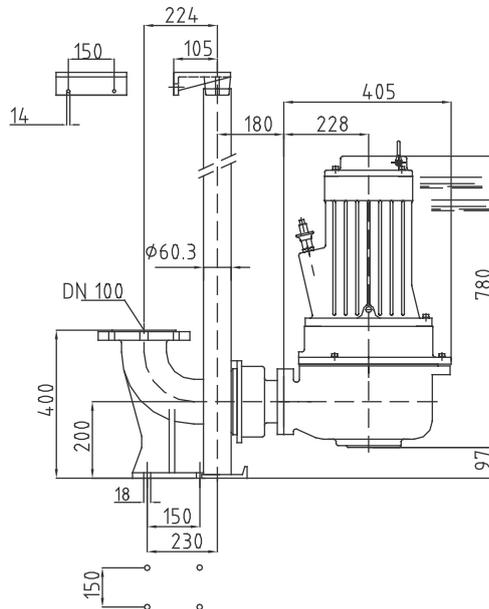
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

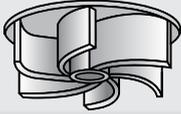


GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS											PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES · RENDIMENTO · EXECUÇÃO							
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	I/sec	0	5	15	25	30	35	40
											m³/h	0	18	54	90	108	126	144
1	GB - CV150 - GD - R	18.5	15	400	33	2850	100	100	100	165	H	33	31	26.6	20.8	17.6	14	
2	GB - CV150 - GD	18.5	15	400	33	2850	100	100	100	215	m	39.5	37.2	32.2	25.9	22		

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMMENT  
DIMENSIONS TOTALES  
DIMENSÕES GLOBAIS



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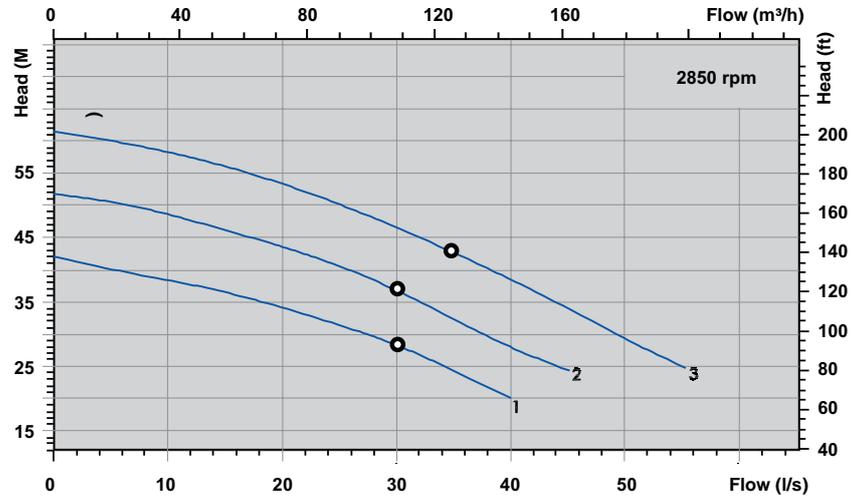


GB

PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

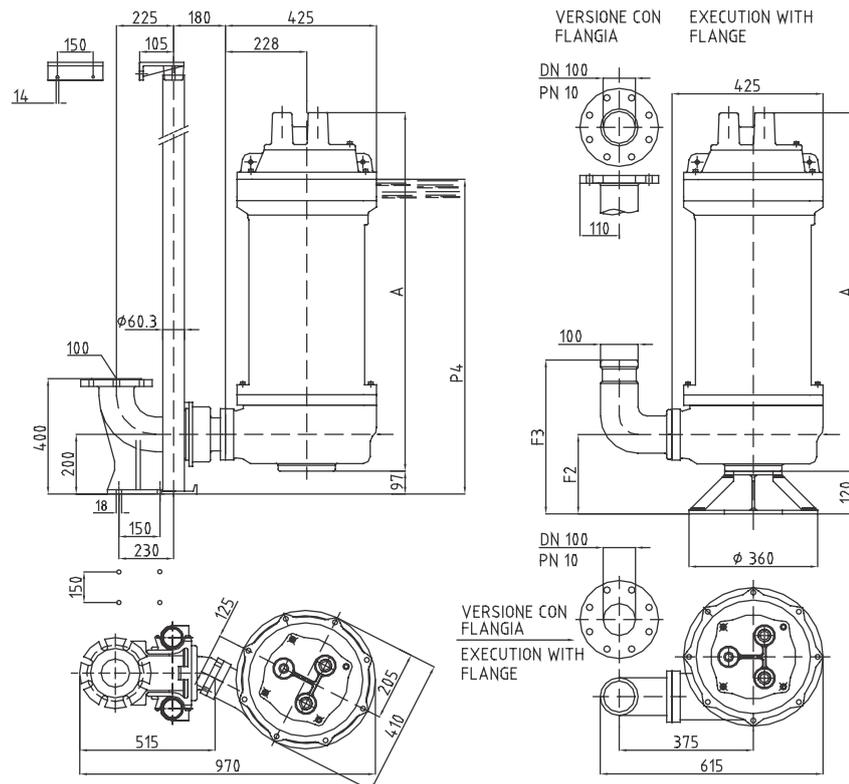
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCES · RENDIMENTO · EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	5	15	25	30	35	40	45	50	55	
1	GB - CV250 - GD	29	25	400	44	2850	100	90	H m	42	40.5	37	31	28	24	20				
2	GB - CV370 - GD	40	37	400	67	2850	100	90		51.5	50.3	46	40.3	36.7	32.2	27.9	24.7			
3	GB - CV480 - GD	52	48	400	80	2850	100	90		61.5	61.5	56	49.8	46.5	42.6	38.7	33.5	29	24.5	

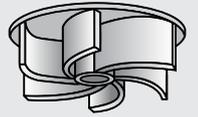
INSTALLATION SIZES · DIMENSIONI DI INSTALLAZIONE · УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION · DIMENSIONES DE INSTALACIÓN · DIMENSÕES DE INSTALAÇÃO					
Nr	Modello - Type	A max	P4	V	KG
1	GB - CV250 - GD	840	875	100	240
2	GB - CV370 - GD	1011	917	100	325
3	GB - CV480 - GD	1174	1072	100	368

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONS TOTALES  
DIMENSÕES GLOBAIS



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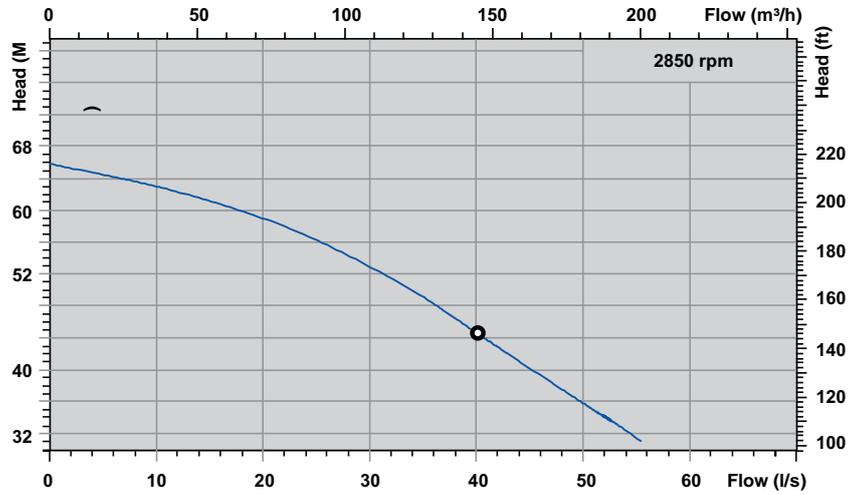
**GB**



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

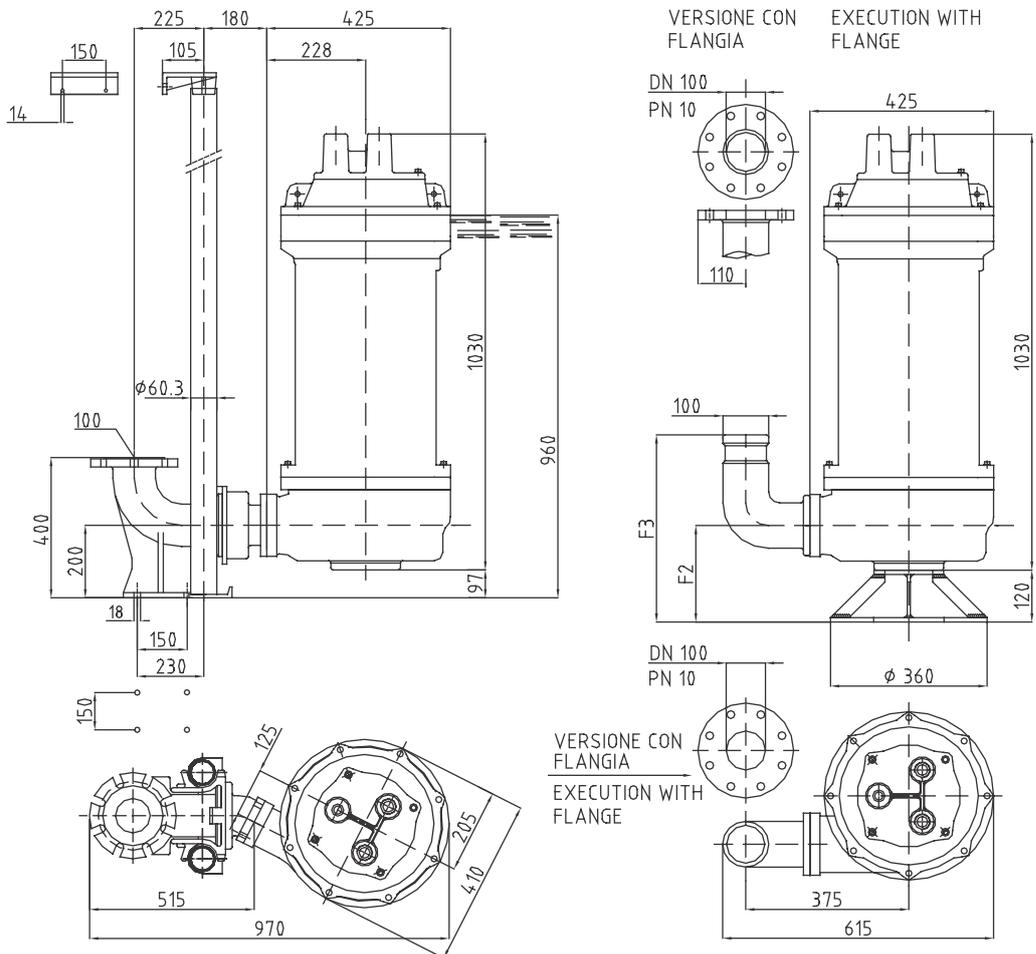
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES · CARATTERISTICHE GENERALI · ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES · CARACTERÍSTICAS GENERALES · CARACTERÍSTICA GERAIS									PERFORMANCES · PRESTAZIONI · РАБОЧИЕ ПАРАМЕТРЫ · PERFORMANCE · RENDIMENTO · EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	5	15	25	30	35	40	45	50	55	60
1	GB - CV500 - GD	55	50	400	89	2850	100	80	H m	65.5	64.5	61.1	56.3	52.9	49	44.7	40.5	36	31.4	

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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## Submersible pumps

### Grinder

#### GT - Series

0.75 ÷ 9.5 kW

Discharge size

1"½ - DN 50

## Elettropompe sommergibili

### Trituratrici

#### Serie GT

0.75 ÷ 9.5 kW

Mandata

1"½ - DN 50

## Погружные электронасосы

### С измельчителем

#### Серия GT

0.75 ÷ 9.5 kW

выходное отверстие

1"½ - DN 50

## Electropompes submersibles

### Avec dilacérateur

#### Série GT

0.75 ÷ 9.5 kW

Diam. refoulement

1"½ - DN 50

## Bombas sumergibles

### Turbina con triturador

#### Modelo GT

0.75 ÷ 9.5 kW

Diámetro impulsión

1"½ - DN 50

## Bombas eléctricas submergíveis

### Com sistema triturador

#### Série GT

0.75 ÷ 9.5 kW

Diâmetro boca

1"½ - DN 50

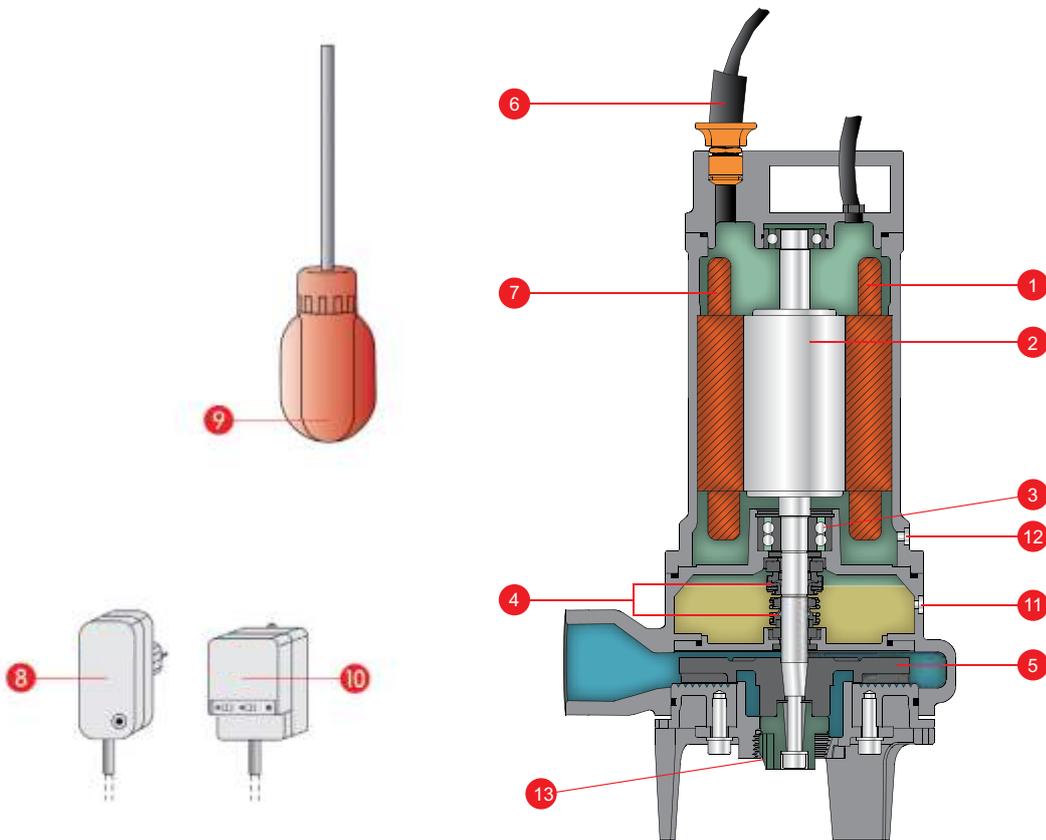


# GT Series

Technical features  
Caratteristiche costruttive

Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 2850 rpm. Voltage: single-phase 1x230V-50 Hz  
Three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Heavy duty bearings for long life
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Open Impeller with cutting device
6. Cable H07RNF
7. Thermal protection embedded in winding
8. Plug with capacitor
9. Float switch regulator
10. AET-AEM electrical gear for three-phase and single-phase execution
11. Oil inspection plug
12. Air plug hole for the motor water tightness control
13. Cutting device

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 2850 al min<sup>-1</sup>  
Voltaggio: monofase 1x230V-50 Hz e trifase  
3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante aperta con tritatore
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento
8. Spina con condensatore
9. Galleggiante
10. AET-AEM quadro elettrico per versione trifase e monofase
11. Ispezione olio
12. Controllo tenuta stagna motore
13. Tritatore



1. Герметичный полностью погружной двигатель. Класс изоляции H. Класс защиты IP68.  
Скорость вращения: 2850 об./мин.  
Напряжение: монофазное 1x230 В 50 Гц и трехфазное 380/415 В 50 Гц.  
Другие напряжения и частота под заказ.
2. Вал из нержавеющей стали AISI 420
3. Долгосрочные подшипники со смазкой
4. Двойное мех. уплотнение в масляной камере  
С гидравлической стороны: карбид кремния/ карбид кремния  
Со стороны двигателя: графит/оксид алюминия
5. Открытое рабочее колесо с измельчителем
6. Кабель H07RNF
7. Теплозащита в обмотке
8. Вилка с конденсатором
9. Поплавковый выключатель
10. АЕТ-АЕМ пульт управления для трехфазного и монофазного варианта
11. Окошко для контроля масла
12. Контроль герметичности двигателя
13. Измельчитель

1. Moteur entièrement submergé étanche à l'eau  
Classe d'isolation H. indice de protection IP 68  
Vitesse de rotation: 2850 tr/mn  
Bobinage mono: 1x 230V Fréquence: 50 Hz - tri: 3x380/415V Fréquence: 50 Hz  
Autres tensions et fréquences sur demande.
2. Arbre moteur en acier AISI 420
3. Roulements surdimensionnés lubrifiés à vie
4. Double garniture mécanique en chambre huile  
Garniture inférieure: Carbure de silicium/Carbure de silicium  
Garniture supérieure: graphite/alumine
5. Roue ouvert avec dilacérateur
6. Câble H07RNF
7. Protection thermique intégré dans le bobinage
8. Discontacteur avec condensateur
9. Flotteur
10. Coffret électrique de commande AET-AEM pour mono et tri version
11. Inspection de l'huile
12. Contrôle moteur étanche à l'eau
13. Dilacérateur

1. Motor completamente sumergido estanco  
Clase de aislamiento H. Protección IP-68.  
Velocidad: 2850 rpm/min<sup>-1</sup>  
Voltaje: monofásico 50 Hz 1x230V- trifásico 3x380/415V 50 Hz  
Otros voltajes y frecuencias a demanda.
2. Eje Acero inoxidable AISI 420
3. Cojinetes sobredimensionados lubricados indeinatamente
4. Doble cierre mecánico en cámara de aceite  
Carburo de silicio/Carburo de silicio en el lado agua.  
Graito/Acero templado en el lado motor.
5. Impulsor abierto con triturador
6. Cable H07RNF
7. Protector térmico en el bobinado
8. Espina condensador
9. Interruptor de boya para funcionamiento automático
10. AET-AEM Cuadros eléctricos para motores trifásicos o monofásicos
11. Inspección aceite
12. Control de motor estanco
13. Triturador

1. Motor totalmente submerso estanco  
Isolamentos em classe H. Grau de proteção IP 68  
rpm: 2850  
Tensão: monofásica e trifásica 1x230V Hz-50 Hz 3x380/415V-50  
Outras tensões e frequências a pedido.
2. Eixo em aço AISI 420
3. Chumaceiras sobredimensionados isentes de manutenção
4. Duplo contenção na câmara óleo  
Contenção inferior: carboneto de silício  
Contenção superior: graito/allumina
5. Giratória aberta com sistema triturador
6. Cabo H07RNF
7. Proteção térmica nas bobines
8. Spina capacitores
9. Regulador de nível
10. AET-AEM painel elétrico para versão monofásica e trifásica
11. Inspeção de óleo
12. Controle motor estanco
13. Triturador

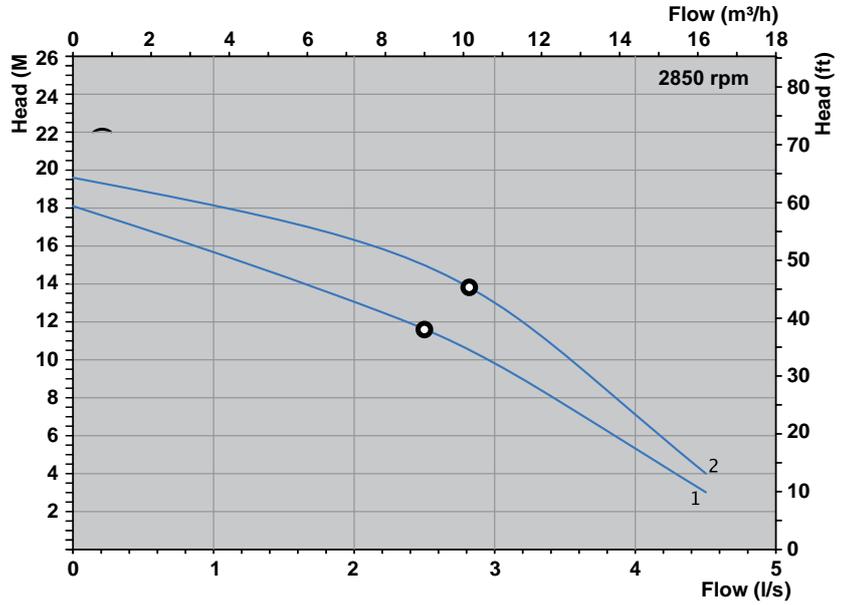
# GT



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

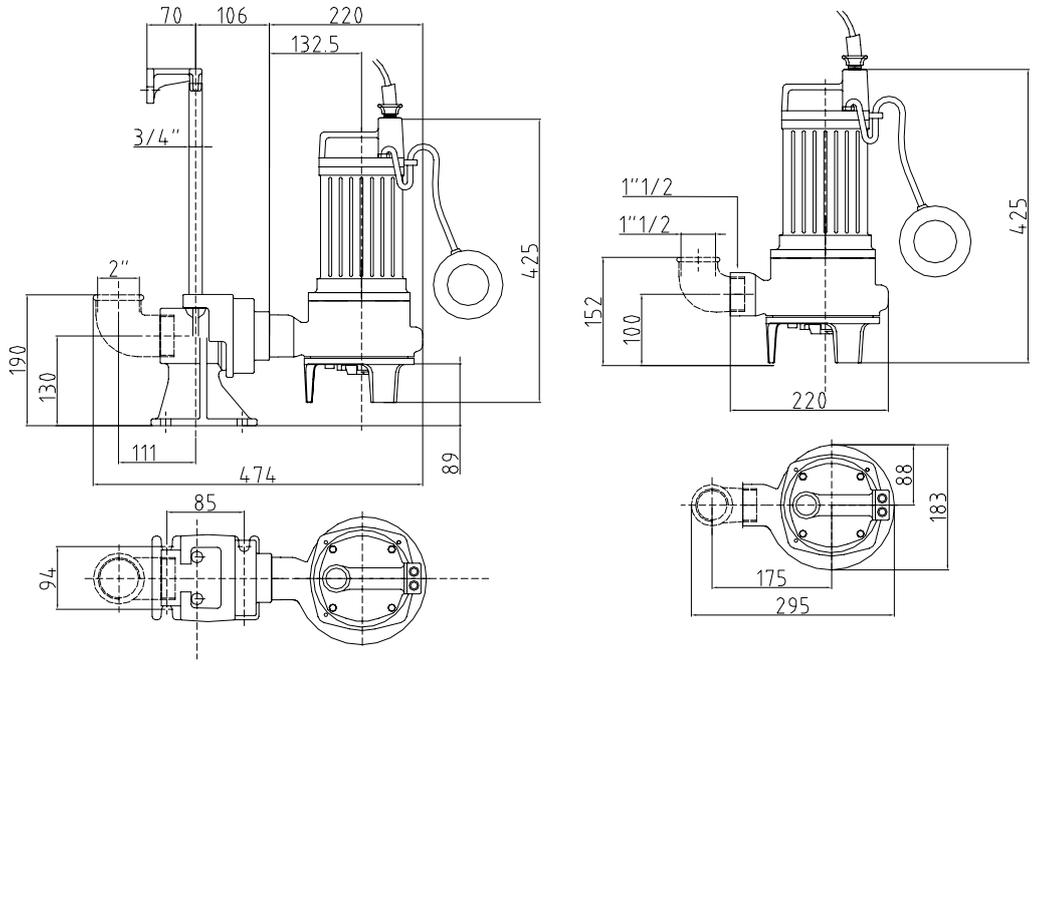
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS											PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO								
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec	0	1	2	3	4	4.5	5
1	GT - CV07 - CM-A	0.9	0.75	230	22	5.5	2850	1" 1/2	6	40N	24	H	18.1	15.8	13.1	9.8	5.3	3	
1	GT - CV07 - CT	0.9	0.75	400		2.7	2850	1" 1/2	6	40N	24		18.1	15.8	13.1	9.8	5.3	3	
2	GT - CV11 - CM-A	1.3	1.1	230	30	7.5	2850	1" 1/2	6	40N	25	m	19.6	18.1	16.2	13	7	4	
2	GT - CV11 - CT-R	1.3	1.1	400		3.2	2850	1" 1/2	6	40N	25		19.6	18.1	16.2	13	7	4	

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS

INSTALLATION TYPE  
INSTALLAZIONE TIPO  
ТИПИЧНАЯ УСТАНОВКА  
TYPE D'INSTALLATION  
EJEMPLO DE INSTALACIÓN  
EXEMPLO DE INSTALAÇÃO



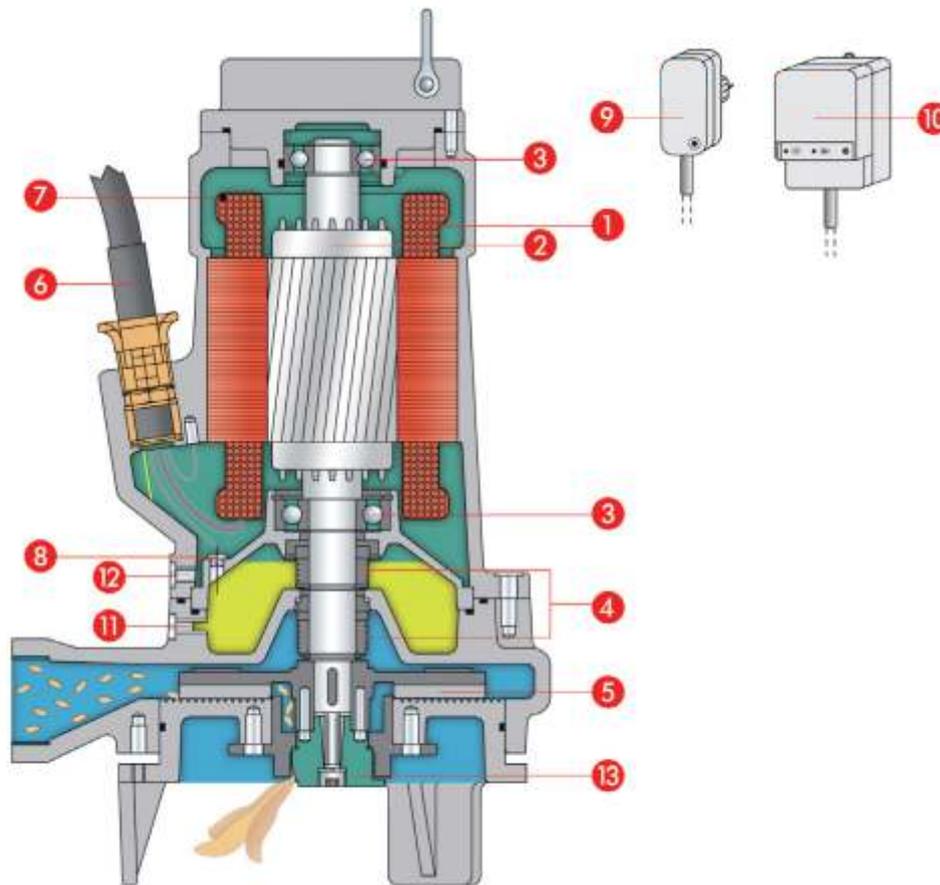
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Technical features  
Caratteristiche costruttive

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Caractéristiques de construction

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Different voltage and frequency on request. A
2. Shaft in stainless steel AISI 420
3. Heavy duty Bearings for long life
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Open Impeller with cutting device
6. Cable H07RNF
7. Thermal protection embedded in winding
8. Oil chamber probe
9. Plug with capacitor
10. AET-AEM electrical gear for three-phase and single-phase execution
11. Oil inspection plug
12. Air plug hole for the motor water tightness control
13. Cutting device

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 2850 al min<sup>-1</sup>  
Votaggio: monofase 1x230V-50 Hz e trifase  
3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante aperta con tritatore
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento
8. Sonda camera olio
9. Spina con condensatore
10. AET-AEM quadro elettrico per versione trifase e monofase
11. Ispezione olio
12. Controllo tenuta stagna motore
13. Tritatore

GT

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Герметичный полностью погружной двигатель. Класс изоляции H. Класс защиты IP68.<br/>Скорость вращения: 2850 об./мин.<br/>Напряжение: монофазное 1x230 В 50 Гц и трехфазное 380/415 В 50 Гц.<br/>Другие напряжения и частота под заказ.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники со смазкой</li> <li>4. Двойное мех. уплотнение в масляной камере<br/>С гидравлической стороны: карбид кремния/ карбид кремния<br/>Со стороны двигателя: графит/оксид алюминия</li> <li>5. Открытое рабочее колесо с измельчителем</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита в обмотке</li> <li>8. Датчик в масляной камере (опция)</li> <li>9. Вилка с конденсатором</li> <li>10. АЕТ-АЕМ пульт управления для трехфазного и монофазного варианта</li> <li>11. Окошко для контроля масла</li> <li>12. Контроль герметичности двигателя</li> <li>13. Измельчитель</li> </ol> | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau<br/>Classe d'isolation H. indice de protection IP 68<br/>Vitesse de rotation: 2850 tr/mn<br/>Bobinage mono: 1x 230V Fréquence: 50 Hz - tri: 3x380/415V Fréquence: 50 Hz<br/>Autres tensions et fréquences sur demande.</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile<br/>Garniture inférieure: Carbure de silicium/Carbure de silicium<br/>Garniture supérieure: graphite/alumine</li> <li>5. Roue ouvert avec dilacérateur</li> <li>6. Cable H07RNF</li> <li>7. Protection thermique intégré dans le bobinage</li> <li>8. Détecteur d'infiltration dans la chambre à huile</li> <li>9. Discontacteur avec condensateur</li> <li>10. Coffret électrique de commande AET-AEM pour mono et tri version</li> <li>11. Inspection de l'huile</li> <li>12. Contrôle moteur étanche à l'eau</li> <li>13. Dilacérateur</li> </ol> |
|--|---|

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco<br/>Clase de aislamiento H. Protección IP-68.<br/>Velocidad: 2850 rpm/min<sup>-1</sup><br/>Voltaje: monofásico 50 Hz 1x230V- trifásico 3x380/415V 50 Hz<br/>Otros voltajes y frecuencias a demanda.</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite<br/>Carburo de silicio/Carburo de silicio en el lado agua.<br/>Graito/Acero templado en el lado motor.</li> <li>5. Impulsor abierto con triturador</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado</li> <li>8. Detector de infiltraciones en la cámara de aceite</li> <li>9. Espina condensador</li> <li>10. AET-AEM Cuadros eléctricos para motores trifásicos o monofásicos</li> <li>11. Inspección aceite</li> <li>12. Control de motor estanco</li> <li>13. Triturador</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanco<br/>Isolamentos em classe H. Grau de proteção IP 68<br/>rpm: 2850<br/>Tensão: monofásica e trifásica 1x230V Hz-50 Hz 3x380/415V-50<br/>Outras tensões e frequências a pedido.</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentes de manutenção</li> <li>4. Duplo contenção na câmara óleo<br/>Contenção inferior: carboneto de silício<br/>Contenção superior: graito/allumina</li> <li>5. Giratória aberta com sistema triturador</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica nas bobines</li> <li>8. Detector da infiltração na câmara óleo</li> <li>9. Spina capacitores</li> <li>10. AET-AEM painel elétrico para versão monofásica e trifásica</li> <li>11. Inspeção de óleo</li> <li>12. Controle motor estanco</li> <li>13. Triturador</li> </ol> |
|--|--|



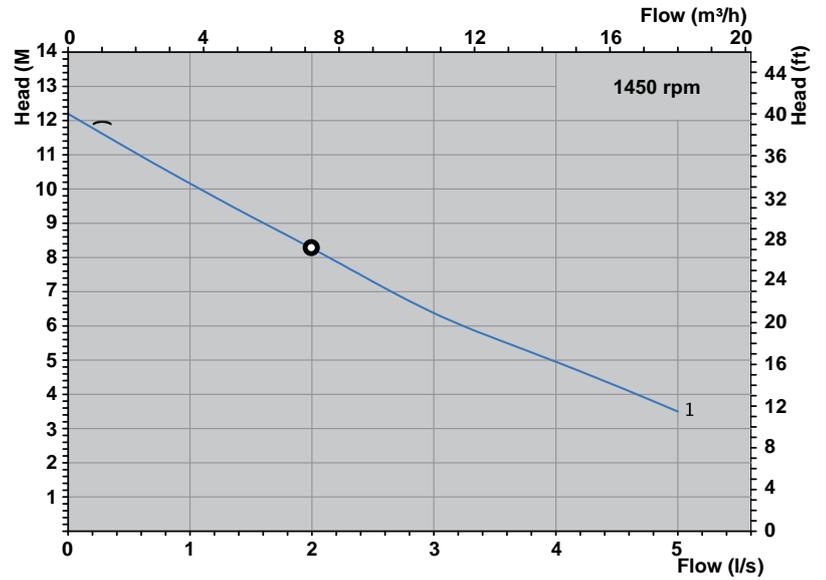
# GT - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

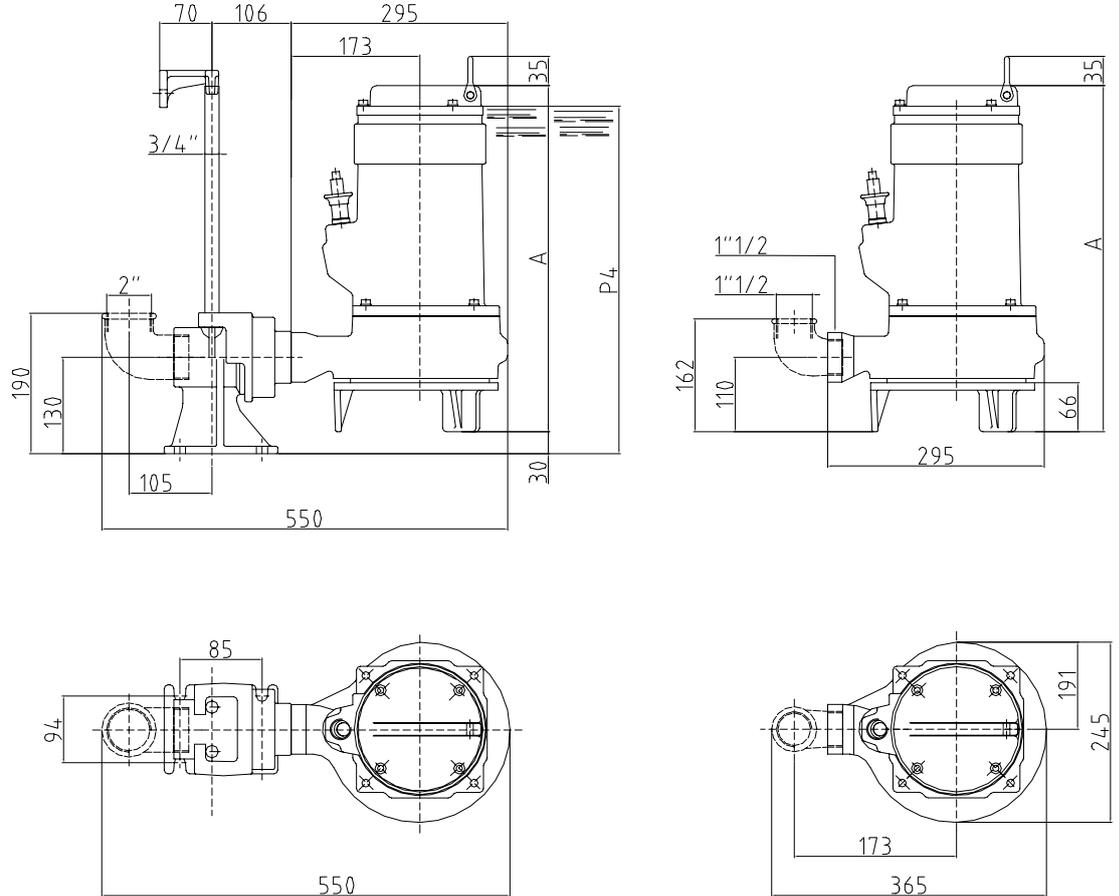
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GERALES - CARACTERÍSTICAS GERAIS											PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO						
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec	0	1	2	3	4	5
1	GT - CV09 - CT-4	1.2	0.9	400	2.5	1450	1"1/2	7	40N	39	m³/h	0	4	7	10.8	14.4	18
											H m	12.2	10.1	8.2	6.4	5	3.5

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONS TOTALES  
DIMENSÕES GLOBAIS



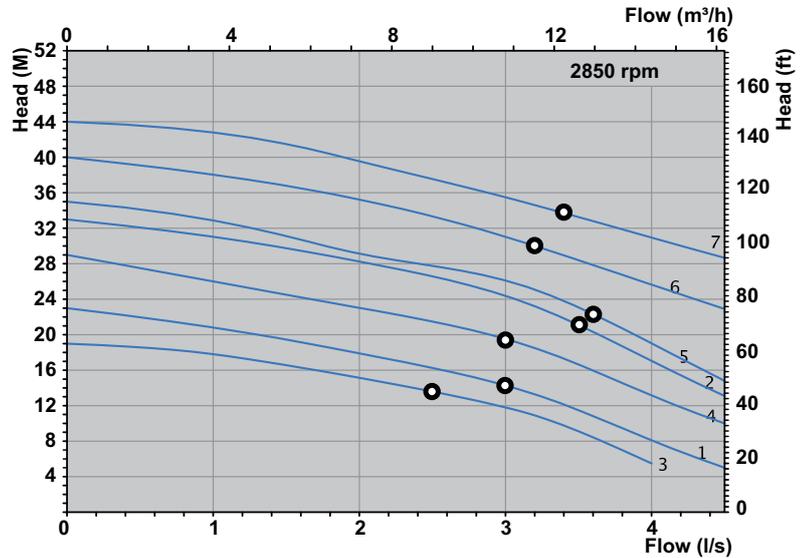
\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

GT

PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

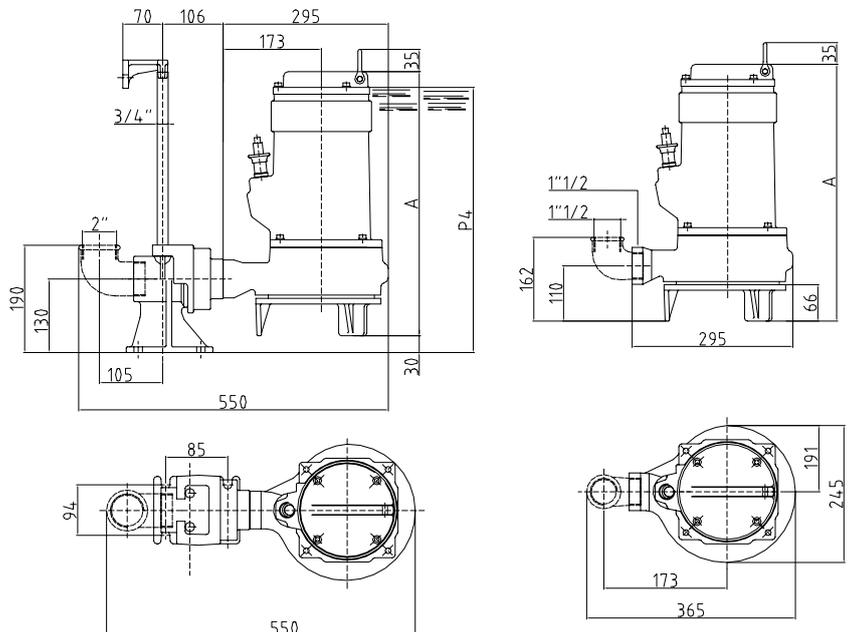
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GÉNERALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS								PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO									
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	H m							
										l/sec	0	1	2	3	4	4.5	5
										m³/h	0	4	7	10.8	14.4	16.2	18
1	GT - CV16 - CMs	2	1.6	230	40	10	2850	1"1/2	7	23	20.7	18	14	8	5		
2	GT - CV23 - CMs	2.9	2.3	230	50	14	2850	1"1/2	7	32.9	31.8	28	24.4	16.7	13		
3	GT - CV11 - CT	1.5	1.1	400		3	2850	1"1/2	7	19	17.8	15	12	6			
4	GT - CV18 - CT	2.2	1.85	400		4.5	2850	1"1/2	7	29	26	23	19.1	13	10		
5	GT - CV26 - CT	3.3	2.6	400		5.8	2850	1"1/2	7	35	33	29	26.1	18.9	15		
6	GT - CV36 - CT	4	3.6	400		8	2850	1"1/2	7	40	38	35.2	31	25.8	22.8		
7	GT - CV40 - CT	5	4	400		10	2850	1"1/2	7	44	42.8	39.5	35.5	31	28.8		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO					
Nr	Modello - Type	A max	P4	V	KG
1	GT - CV16 - CMs	455	470	40N	44
2	GT - CV23 - CMs	470	485	40N	54
3	GT - CV11 - CT	420	435	40N	38
4	GT - CV18 - CT	420	435	40N	39
5	GT - CV26 - CT	455	470	40N	44
6	GT - CV36 - CT	470	485	40N	54
7	GT - CV40 - CT	470	485	40N	55

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



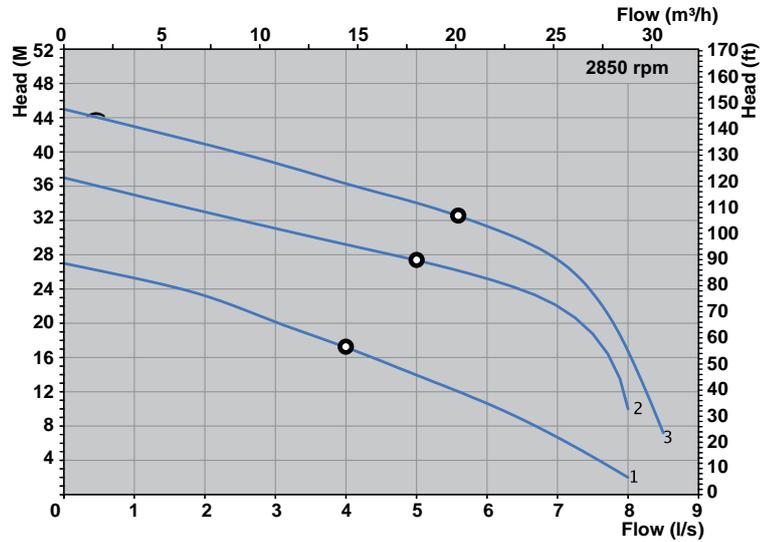
GT



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

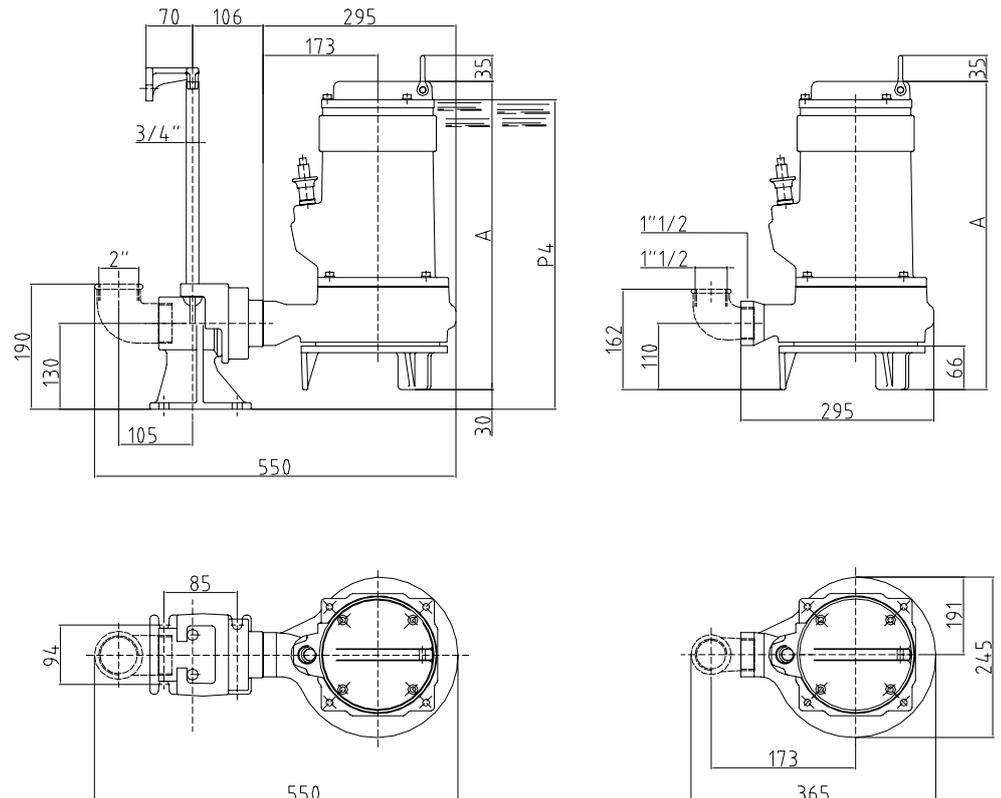
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	1	2	3	4	4.5	5	6	7	8	8.5
1	GT - CV26 - CT-HF	3	2.6	400	5.5	2850	1"1/2	7	H m	27	25.3	23.6	20	17.3	15.8	13.9	10.8	6.9	2	
2	GT - CV40 - CT-HF	4.5	4	400	8	2850	1"1/2	7		37	35	33	31	29.2	28.1	27.5	25	21.5	10	
3	GT - CV55 - CD-HF	6	5.5	400	12	2850	1"1/2	7		45	42.8	41.1	39	36.2	34	34	31	27.2	16.5	6.7

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	V	KG
1	GT - CV26 - CT-HF	455	40N	39
2	GT - CV40 - CT-HF	470	50N	54
3	GT - CV55 - CD-HF	470	50N	55

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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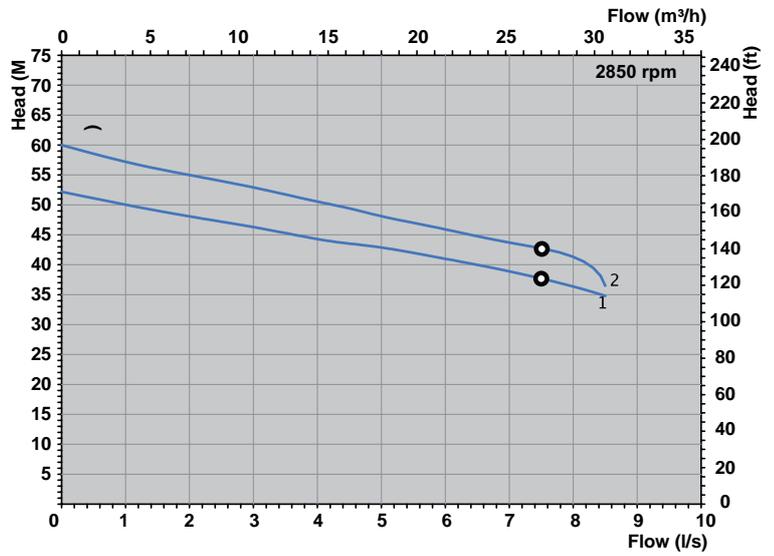
# GT



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

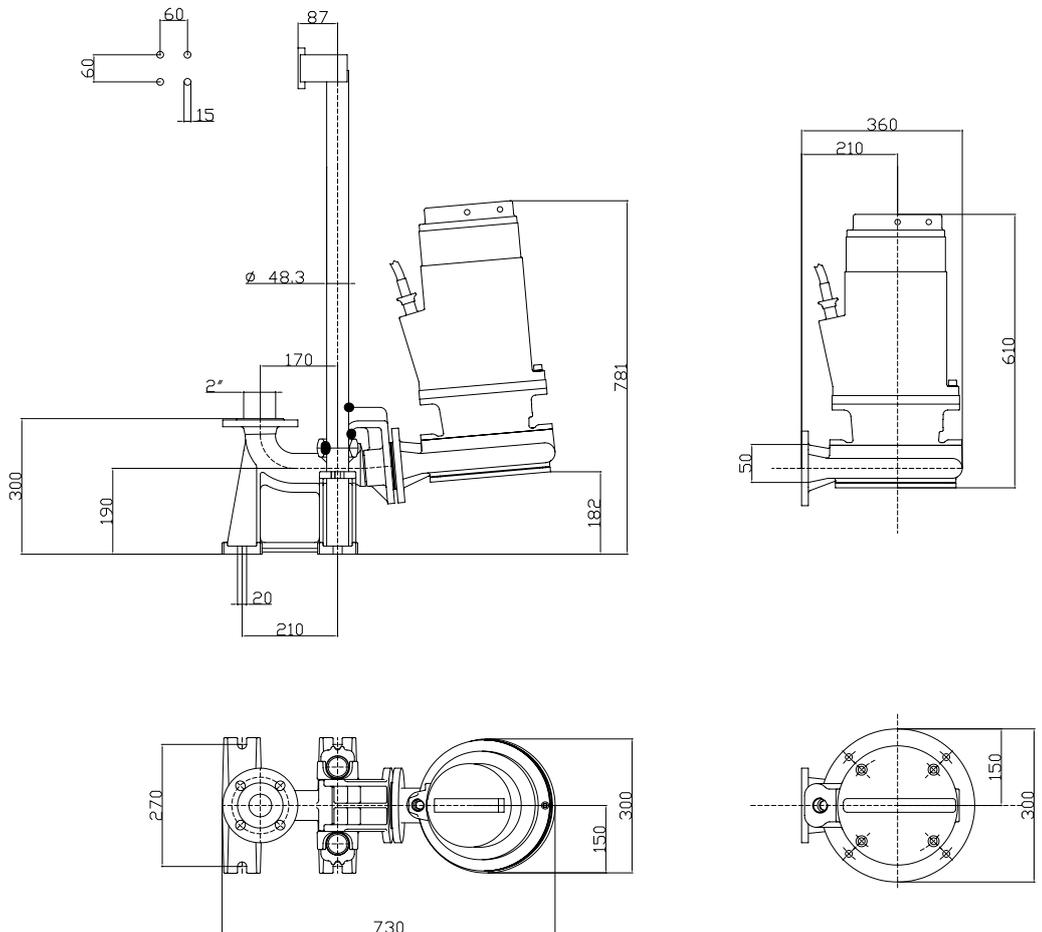
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

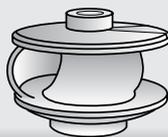


GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO												
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec	0	1	2	3	4	4.5	5	6	7	8	8.5
1	GT - CV72 - DD-HF	8	7.2	400	15	2850	50	7	50K	110	H	52.2	50	48	46.4	44.2	43.5	43	41	39	36.5	34.8
2	GT - CV95 - DD-HF	11	9.5	400	19	2850	50	7	50K	110	m	60	57	55	53	50.5	49.4	48	46	43.5	41.3	36.2

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONS TOTALES  
DIMENSÕES GLOBAIS



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## Submersible pumps

Single-channel impeller

### M Series

1.85 - 5.5 kW

Discharge size

DN 80

## Elettropompe sommergibili

Girante Monocanale

### Serie M

1.85 - 5.5 kW

Mandata

DN 80

## Погружные электронасосы

С одноканальным рабочим колесом

### Серия M

1.85 - 5.5 kW

выходное отверстие

DN 80

## Electropompes submersibles

Roue monocanal

### Série M

1.85 - 5.5 kW

Diam. refoulement

DN 80

## Bombas sumergibles

Turbina monocanal

### Modelo M

1.85 - 5.5 kW

Diámetro impulsión

DN 80

## Bombas eléctricas submergíveis

Giratória mono-canal

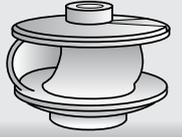
### Série M

1.85 - 5.5 kW

Diâmetro boca

DN 80



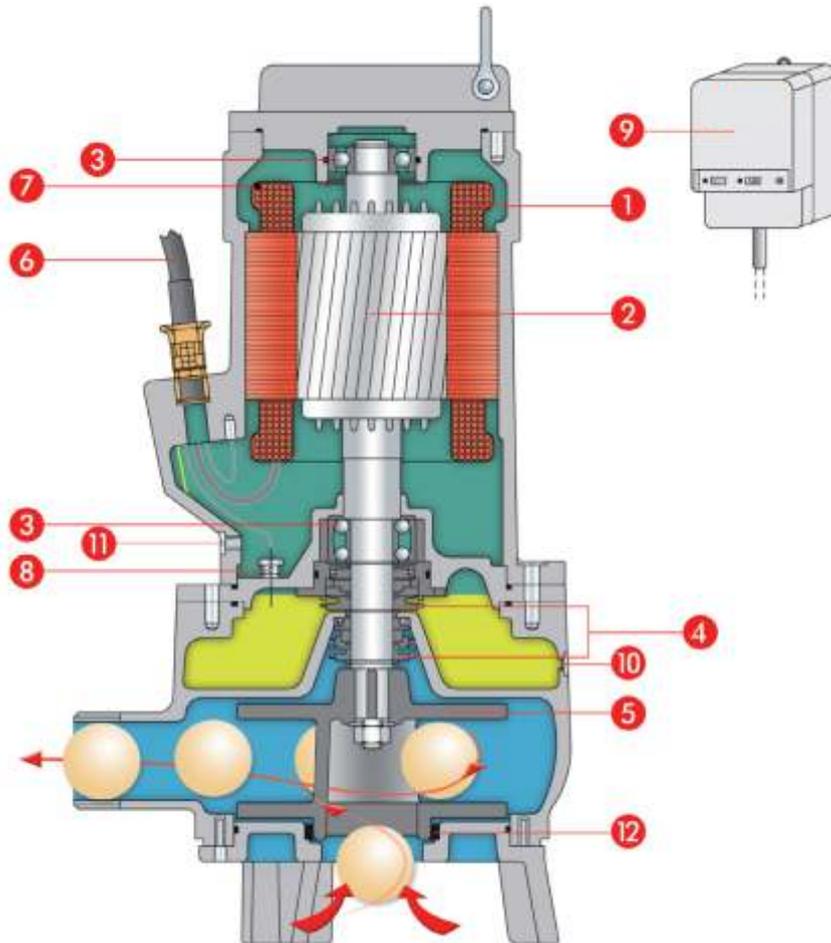


# M Series

Technical features  
Caratteristiche costruttive

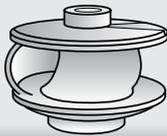
Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 2850 rpm. Voltage: three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Pre-lubricated long-life bearings
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Single-channel impeller
6. Cable H07RNF
7. Thermal protection embedded in winding (optional)
8. Oil chamber probe (optional)
9. AET- electrical gear
10. Oil inspection plug
11. Air plug hole for the motor water tightness control
12. Bronze wear ring

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP68  
Giri: 2850 al min<sup>-1</sup>  
Voltaggio: trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta
2. Albero in acciaio AISI 420
3. Cuscinetti prelubrificati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante monocanale
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento (optional)
8. Sonda camera olio
9. AET-quadro elettrico
10. Ispezione olio
11. Controllo tenuta stagna motore
12. Anello usura in bronzo



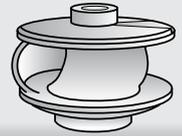
1. Герметичный полностью погружной двигатель.  
Класс изоляции H. Класс защиты IP68.  
Скорость вращения: 2850 об./мин.  
Напряжение: трехфазное 3x380/415 В 50 Гц.  
Другие напряжения и частота под заказ.
2. Вал из нержавеющей стали AISI 420
3. Долгосрочные подшипники со смазкой
4. Двойное мех. уплотнение в масляной камере  
С гидравлической стороны: карбид кремния/ карбид кремния  
Со стороны двигателя: графит/оксид алюминия
5. Одноканальное рабочее колесо
6. Кабель H07RNF
7. Теплозащита, встроенная в обмотку (опция)
8. Датчик в масляной камере (опция)
9. Пульт управления AET
10. Окошко для контроля масла
11. Контроль герметичности двигателя
12. Расходное кольцо из бронзы

1. Moteur entièrement submergé étanche à l'eau  
Classe d'isolation H. indice de protection IP 68  
Vitesse de rotation: 2850 tr/mn  
Bobinage tri: 3x380/415V Fréquence: 50 Hz  
Autres tensions et fréquences sur demande.
2. Arbre moteur en acier AISI 420
3. Roulements surdimensionnés lubrifiés à vie
4. Double garniture mécanique en chambre huile  
Garniture inférieure: Carbure de silicium/Carbure de silicium  
Garniture supérieure: graphite/alumine
5. Roue monocanal
6. Cable H07RNF
7. Protection thermique intégré dans le bobinage (en option)
8. Détecteur d'infiltration dans la chambre à huile
9. Coffret électrique de commande AET
10. Inspection de l'huile
11. Contrôle moteur étanche à l'eau
12. Anneau usure en bronze

1. Motor completamente sumergido estanco  
Clase de aislamiento H. Protección IP-68.  
Velocidad: 2850 rpm/min<sup>-1</sup>  
Voltaje: trifásico 3 x 380/415V 50 Hz  
Otros voltajes y frecuencias a demanda.
2. Eje Acero inoxidable AISI 420
3. Cojinetes sobredimensionados lubricados indeinatamente
4. Doble cierre mecánico en cámara de aceite  
Carburo de silicio/Carburo de silicio en el lado agua  
Graito/Acero templado en el lado motor
5. Impulsor monocanal
6. Cable H07RNF
7. Protector térmico en el bobinado (opcional)
8. Detector de infiltraciones en la cámara de aceite
9. AET cCuadros eléctricos
10. Inspección aceite
11. Control de motor estanco
12. Anillo de desgaste de bronce

1. Motor totalmente submerso estanque  
Isolamentos em classe H. Grau de proteção IP 68  
rpm: 2850  
Tensão: trifásica 3x380/415V-50  
Outras tensões e frequências a pedido.
2. Eixo em aço AISI 420
3. Chumaceiras sobredimensionados isentas de manutenção
4. Duplo contenção na câmara óleo  
Contenção inferior: carboneto de silício  
Contenção superior: graito/allumina
5. Giratória mono-canal
6. Cabo H07RNF
7. Proteção térmica nas bobinas (opcional)
8. Detector da infiltração na câmara óleo (opcional)
9. AET painel elétrico
10. Inspeção de óleo
11. Controle motor estanque
12. Anel de desgaste de bronze

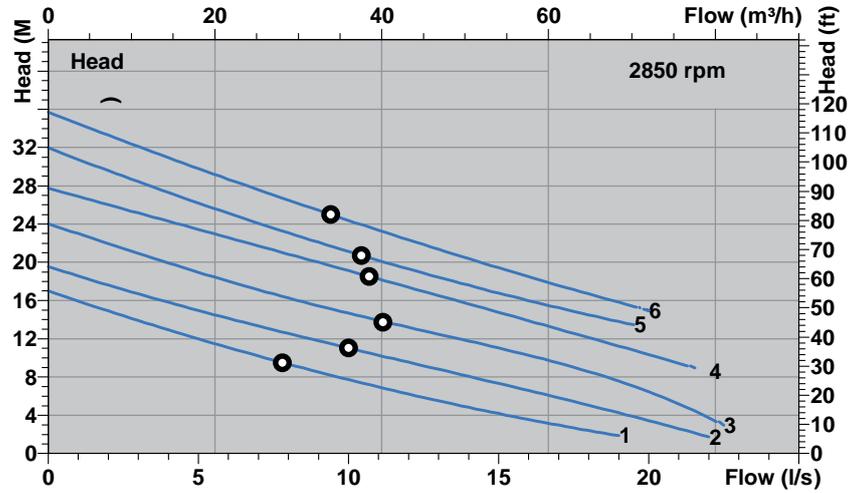
**MC**



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

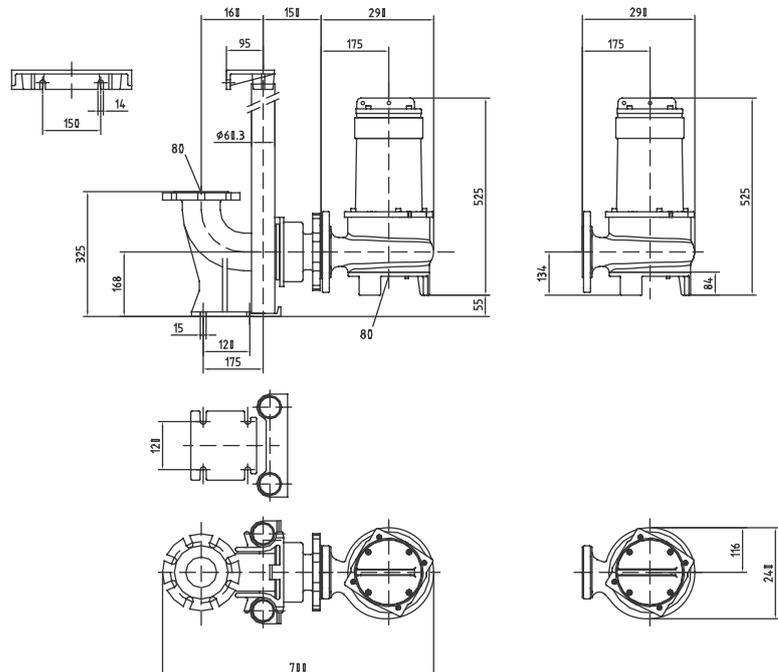
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



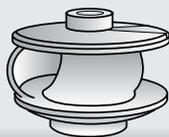
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	3	6	9	12	15	18	21	22		
										0	10.8	22	32	43.2	54	64.8	75.6	79.2		
1	MC - CC18 - FT	2.2	1.85	400	4	2850	80	50	H m	17	14	11	8.4	6.3	4.3	2.4				
2	MC - CC22 - FT	2.6	2.2	400	5.2	2850	80	50		19.5	16.7	14.2	11.7	9.5	7.3	5.2	2.6	1.7		
3	MC - CC30 - FT	3.7	3	400	6.8	2850	80	50		24	20.8	18	15.4	13.2	11.1	8.6	5.1	3.6		
4	MC - CC40 - FT	5	4	400	8.6	2850	80	50		27.7	25.3	22.5	20	17.3	14.9	12.1	9			
5	MC - CC50 - FT	6	5	400	9.8	2850	80	50		32	28.4	25	22	19.4	16.9	14.3				
6	MC - CC55 - FD	6.2	5.5	400	10	2850	80	50		36	31.9	28.3	25.5	22.5	19.6	17				

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	V	KG
1	MC - CC18 - FT	508	80N	42
2	MC - CC22 - FT	508	80N	44
3	MC - CC30 - FT	515	80N	45
4	MC - CC40 - FT	515	80N	49
5	MC - CC50 - FT	564	80N	51
6	MC - CC55 - FD	564	80N	57

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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## Submersible pumps

Single-channel impeller

### M Series

1.25 - 34 kW

Discharge size

DN 80 - 100 - 150

## Elettropompe sommergibili

Girante Monocanale

### Serie M

1.25 - 34 kW

Mandata

DN 80 - 100 - 150

## Погружные электронасосы

С одноканальным рабочим колесом

### Серия М

1.25 - 34 kW

выходное отверстие

DN 80 - 100 - 150

## Electropompes submersibles

Roue monocanal

### Série M

1.25 - 34 kW

Diam. refoulement

DN 80 - 100 - 150

## Bombas sumergibles

Turbina monocanal

### Modelo M

1.25 - 34 kW

Diámetro impulsión

DN 80 - 100 - 150

## Bombas eléctricas submergíveis

Giratória mono-canal

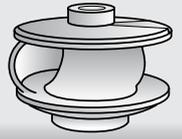
### Série M

1.25 - 34 kW

Diâmetro boca

DN 80 - 100 - 150



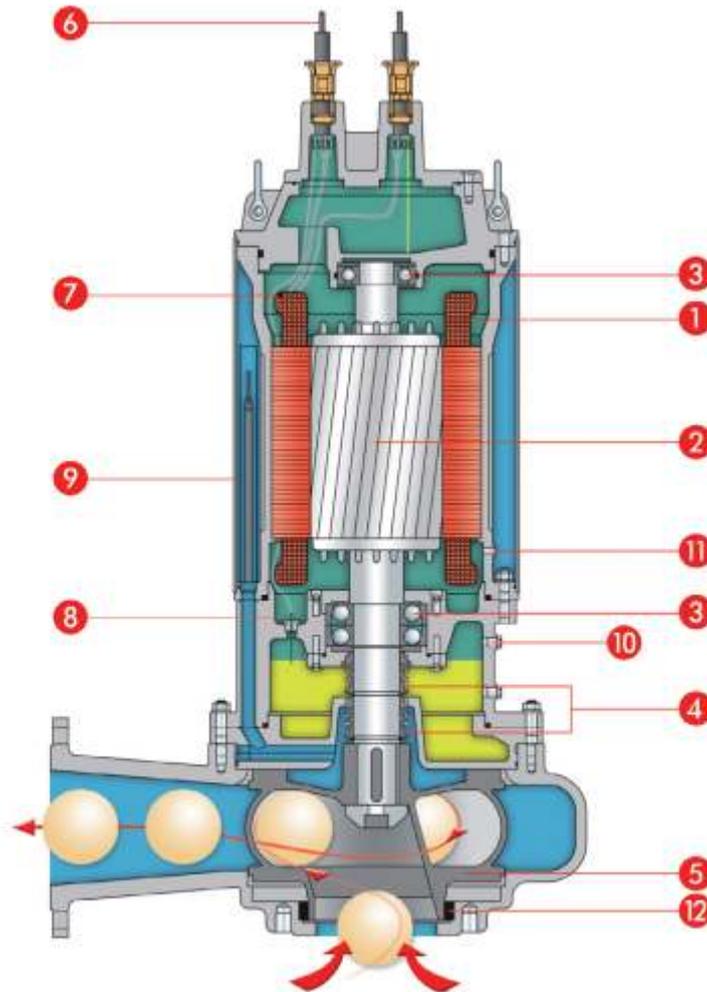


# M Series

Caratteristiche costruttive  
Technical features

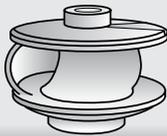
Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 960 - 1450 - 2850 rpm. Voltage: three-phase  
3x380/415V-50 Hz  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Pre-lubricated long-life bearings
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: silicon carbide/silicon carbide
5. Closed single-channel impeller
6. Cable H07RNF
7. Thermal protection embedded in winding (optional)
8. Oil chamber probe
9. Cooling jacket (optional)
10. Oil inspection plug
11. Air plug Hole for the motor water tightness control
12. Bronze wear ring

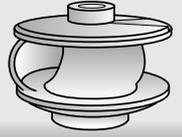
1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP68  
Giri: 960 - 1450 - 2850 al min<sup>-1</sup>  
Voltaggio: trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta
2. Albero in acciaio AISI 420
3. Cuscinetti prelubrificati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: carburo di silicio/carburo di silicio
5. Girante monocanale chiusa
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento (optional)
8. Sonda camera olio
9. Camicia di raffreddamento
10. Ispezione olio
11. Controllo tenuta stagna motore
12. Anello usura in bronzo



- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Герметичный полностью погружной двигатель.<br/>Класс изоляции H. Класс защиты IP68.<br/>Скорость вращения: 960 - 1450 - 2850 об./мин.<br/>Напряжение: трехфазное 3x380/415 В 50 Гц.<br/>Другие напряжения и частота под заказ.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники со смазкой</li> <li>4. Двойное мех. уплотнение в масляной камере<br/>С гидравлической стороны: карбид кремния/ карбид кремния<br/>Со стороны двигателя: карбид кремния/ карбид кремния</li> <li>5. Закрытое одноканальное рабочее колесо</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита в обмотке (опция)</li> <li>8. Датчик в масляной камере</li> <li>9. Охлаждающая рубашка (опция)</li> <li>10. Окошко для контроля масла</li> <li>11. Контроль герметичности двигателя</li> <li>12. Расходное кольцо из бронзы</li> </ol> | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau<br/>Classe d'isolation H. indice de protection IP 68<br/>Vitesse de rotation: 960 - 1450 - 2850 tr/mn<br/>Bobinage tri: 3x380/415V-50 Hz Fréquence: 50 Hz<br/>Autres tensions et fréquences sur demande.</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile<br/>Garniture inférieur: Carbure de silicium/Carbure de silicium<br/>Garniture supérieure: Carbure de silicium/Carbure de silicium</li> <li>5. Roue monocanal fermé</li> <li>6. Cable H07RNF</li> <li>7. Protection thermique intégré dans le bobinage (en option)</li> <li>8. Détecteur d'infiltration dans la chambre à huile</li> <li>9. Chemise de refroidissement</li> <li>10. Inspection de l'huile</li> <li>11. Contrôle moteur étanche à l'eau</li> <li>12. Anneau usure en bronze</li> </ol> |
|--|--|

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco<br/>Clase de aislamiento H. Protección IP-68.<br/>Velocidad: 960 - 1450 - 2850 rpm/min<sup>-1</sup><br/>Voltaje: trifásico 3x380/415V-50 Hz -50 Hz<br/>Otros voltajes y frecuencias a demanda.</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite<br/>Carburo de silicio/Carburo de silicio en el lado agua.<br/>Carburo de silicio/Carburo de silicio en el lado motor</li> <li>5. Impulsor monocanal cerrado</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado (opcional)</li> <li>8. Detector de infiltraciones en la cámara de aceite</li> <li>9. Camisa de refrigeración (opcional)</li> <li>10. Inspección aceite</li> <li>11. Control de motor estanco</li> <li>12. Anillo de desgaste de bronce</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanque<br/>Isolamentos em classe H. Grau de proteção IP 68<br/>rpm: 960 - 1450 - 2850<br/>Tensão: trifásica 3x380/415V-50 Hz -50 Hz<br/>Outras tensões e frequências a pedido.</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentes de manutenção</li> <li>4. Duplo contenção na câmara óleo<br/>Contenção inferior: carboneto de silício<br/>Contenção superior: carboneto de silício</li> <li>5. Giratória mono-canal fechada</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica nas bobines (opcional)</li> <li>8. Detector da infiltração na câmara óleo</li> <li>9. Camisa de resfriamento</li> <li>10. Inspeção de óleo</li> <li>11. Controle motor estanque</li> <li>12. Anel de desgaste de bronze</li> </ol> |
|--|--|

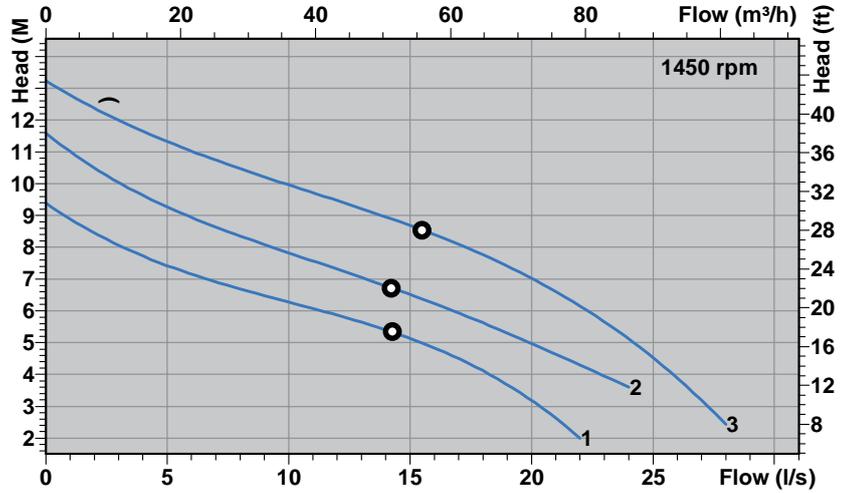
# MC - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

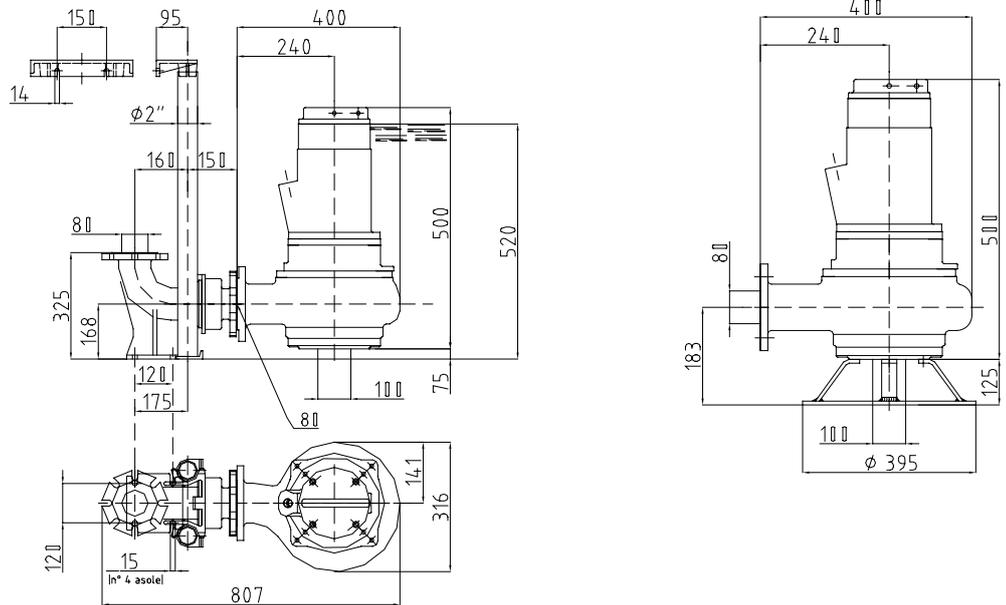
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

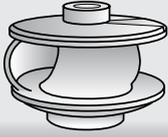


GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO									
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	5	10	15	20	25	30	
												H m	18	36	54	72	90	108	
1	MC - CC12 - FT - 4	1.5	1.25	400	3.2	1450	80	73	80N	60	9.4	7.4	6.3	5.1	3.5				
2	MC - CC16 - FT - 4	1.9	1.6	400	4	1450	80	73	80N	62	11.6	9.3	7.8	6.5	4.9				
3	MC - CC22 - FT - 4	2.9	2.2	400	4.8	1450	80	73	80N	63	13.2	11.3	9.8	8.5	6.7	4.6			

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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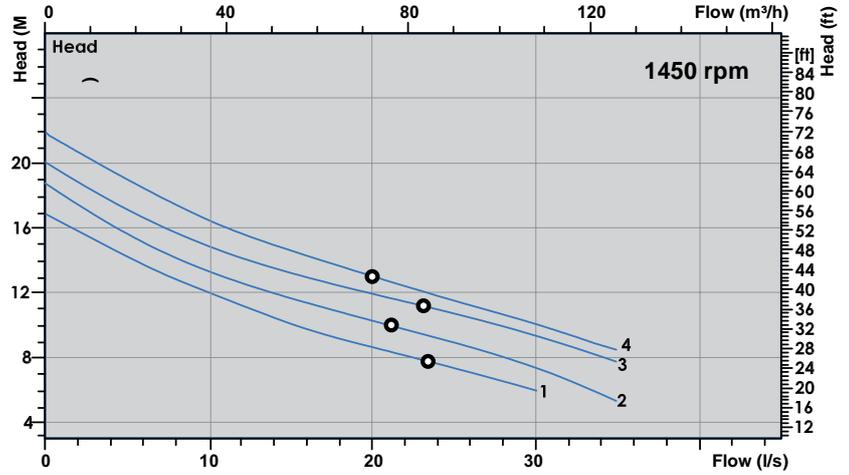
# MC - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

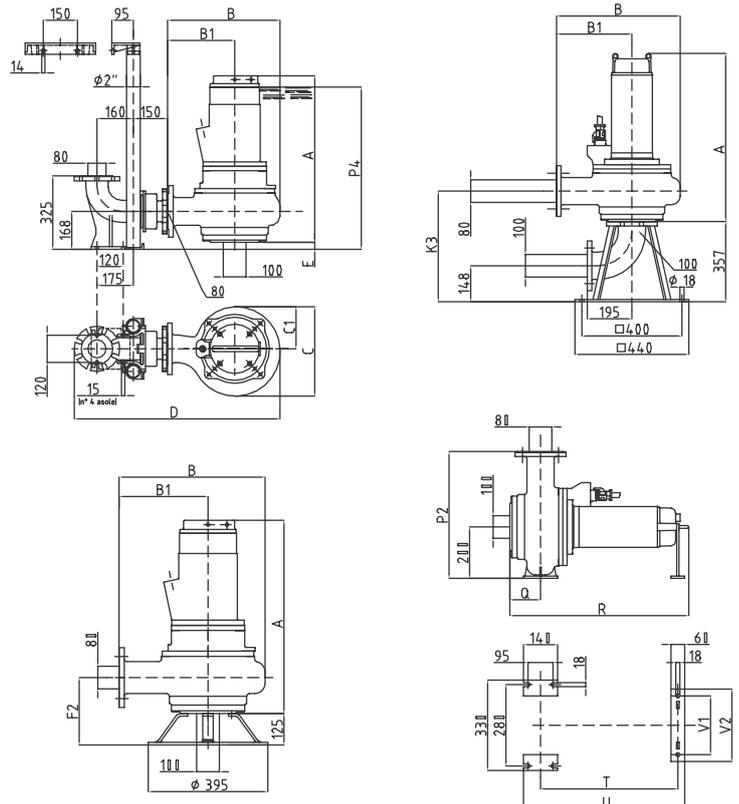
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CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec	0	5	10	15	20	25	30	35	40	45	
1	MC - CC35 - FT - 4	3.8	3.5	400	6.6	1450	80	80	H	17	14.2	11.5	10	8.4	7	5.5				
2	MC - CC42 - FT - 4	5	4.2	400	9.9	1450	80	80	m	18.9	15.4	13.7	11.7	10.4	9	7.3	5.2			
3	MC - CC50 - FT - 4	6	5	400	11	1450	80	80		20.2	16.8	14.7	13.3	12.1	10.7	9.1	7.3			
4	MC - CC65 - FD - 4	7.6	6.5	400	13	1450	80	80		22	19.5	16.5	14.5	12.8	11.5	10.2	8.5			

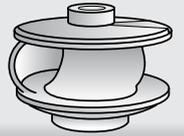
INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO																		
Nr	Modello - Type	A max	B	B1	C	C1	D	E	F2	P2	P4	V1	V2	T	U	DN1	V	KG
1	MC - CC35 - FT - 4	587	465	283	366	167	872	45	239	483	592	280	240	550	650	80	80N	66
2	MC - CC42 - FT - 4	587	465	283	366	167	872	45	239	483	592	280	240	550	650	100	80N	102
3	MC - CC50 - FT - 4	636	465	283	366	167	872	45	239	483	641	280	240	550	650	100	80N	105
4	MC - CC65 - FD - 4	636	465	283	366	167	872	45	239	483	641	280	240	550	650	100	80N	108

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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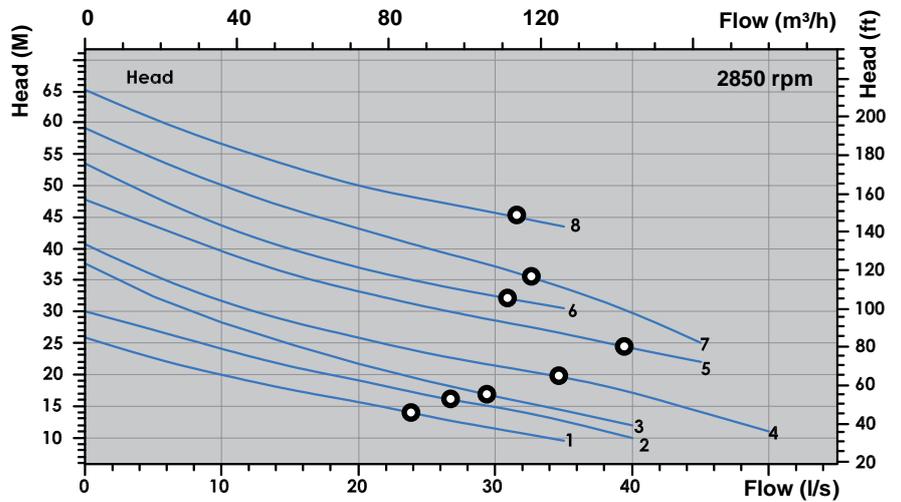
# MC



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



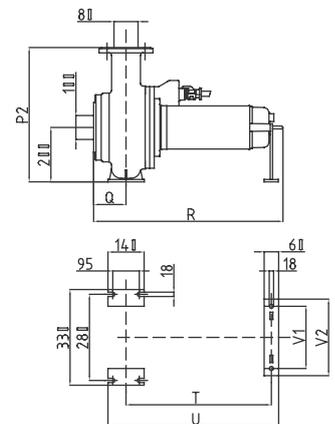
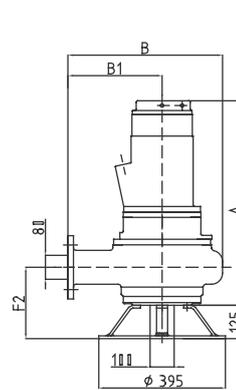
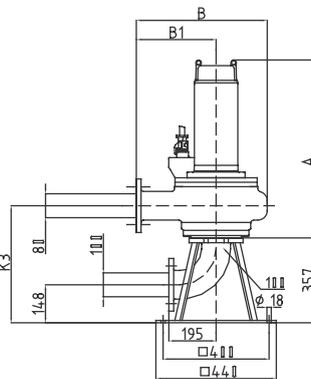
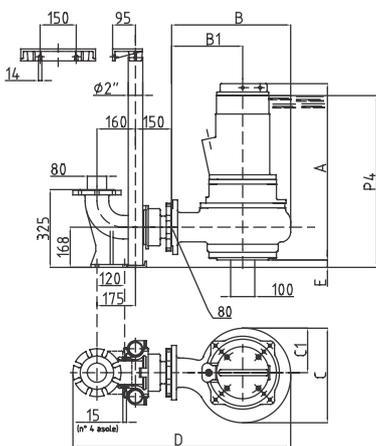
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCE - RENDIMIENTO - EXECUÇÃO										
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	H										
									l/sec	0	5	10	15	20	25	30	35	40	45
1	MC - CC90 - FD	10.5	9	400	18	2850	80	80	0	18	36	54	72	90	108	126	144	162	180
2	MC - CC110 - FD-R	12	11	400	23	2850	80	80	25.8	22.6	20	17.5	15.4	13.5	11.5	9.4	10		
3	MC - CC110 - FD	13	11	400	23	2850	80	80	29.8	26.7	23.8	21.6	19.5	17.6	15.7	13.7	12		
4	MC - CC150 - FD	17	15	400	30	2850	80	80	37.5	32.3	27.8	24.3	21.3	19	16.7	14.3			
5	MC - CC190 - FD	22	19	400	37	2850	80	80	40.2	35.5	31.4	28	25.2	23	21.2	19.5	17.2	14	11
6	MC - CC220 - FD	25	22	400	42	2850	80	80	47.9	43.5	39.7	36.3	33.3	30.7	28.4	26.3	24.2	22.1	
7	MC - CC 240 - FD	27	24	400	46	2850	80	80	53.6	48	43.5	40	37.2	34.8	32.7	30.7			
8	MC - CC280 - FD	31	28	400	46	2850	80	80	58.6	54.0	50.0	46.4	43.4	40.0	37.0	33.0	30.0	25.0	
									65.2	58	53	49.8	47.5	45.6	43.3	39.8			

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO																			
Nr	Modello - Type	A max	B	B1	C	C1	D	E	F2	P2	P4	K3	Q	T	U	V1	V2	V	KG
1	MC - CC90 - FD	673	357	202	307	149	764	72	213	402	695	450	92	548	648	260	320	80N	105
2	MC - CC110 - FD-R	673	357	202	307	149	764	72	213	402	695	450	92	548	648	260	320	80N	105
3	MC - CC110 - FD	673	357	202	307	149	764	72	213	402	695	450	92	548	648	260	320	80N	110
4	MC - CC150 - FD	749	357	202	307	149	764	72	213	402	771	450	92	796	896	310	370	80N	175
5	MC - CC190 - FD	749	357	202	307	149	764	72	213	402	771	450	92	796	896	310	370	80N	178
6	MC - CC220 - FD	749	357	202	307	149	764	72	213	402	771	450	92	796	896	310	370	80N	180
7	MC - CC 240 - FD	836	357	202	307	149	764	72	213	402	851	450	92	796	896	310	370	80N	201
8	MC - CC280 - FD	836	466	283	380	200	873	45	244	483	824	476	119	796	896	310	370	80N	205

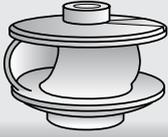
DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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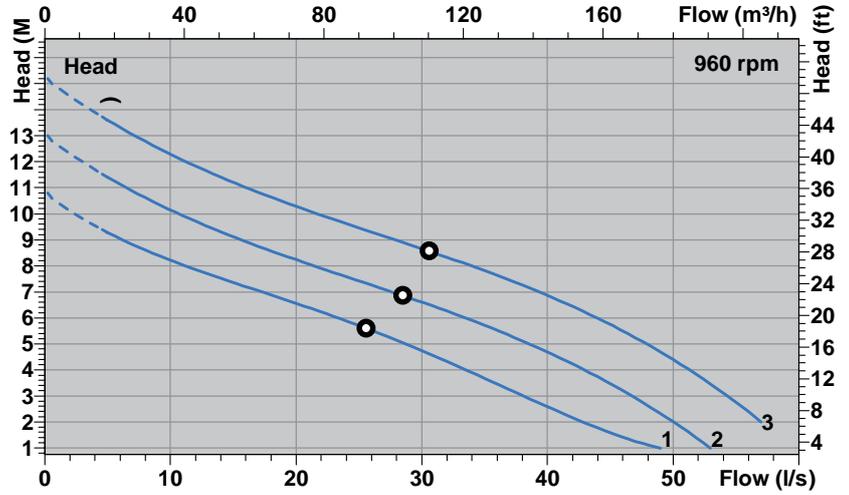
# MC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

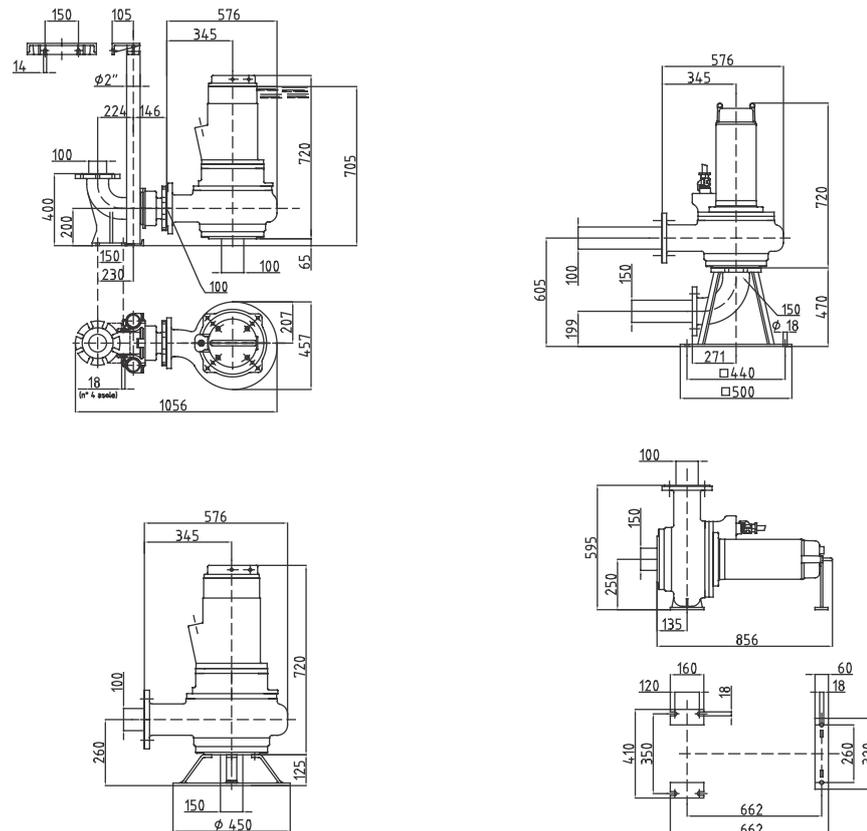
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO													
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec												
												0	5	10	15	20	25	30	35	40	45	50	55
1	MC - CC30 - GT - 6	3.8	3	400	8	960	100	100	100N	148	H m	10.8	9.2	8.2	7.3	6.6	5.7	4.8	3.7	2.7	1.6		
2	MC - CC40 - GT - 6	5.1	4	400	10.7	960	100	100	100N	155		13	11.4	10.2	9	8.3	7.5	6.7	5.7	4.7	3.4	2	
3	MC - CC50 - GT - 6	6	5	400	12	960	100	100	100N	158		15.2	13.6	12.2	11.1	10.2	9.5	8.6	7.6	6.7	5.7	4.4	2.6

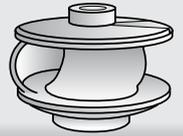
INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO											
Nr	Modello - Type	A max	B	B1	C	C1	D	E	F2	P2	P4
1	MC - CC30 - GT - 6	742	584	333	480	214	1061	65	254	583	757
2	MC - CC40 - GT - 6	742	584	333	480	214	1061	65	254	583	757
3	MC - CC50 - GT - 6	742	584	333	480	214	1061	65	254	583	757

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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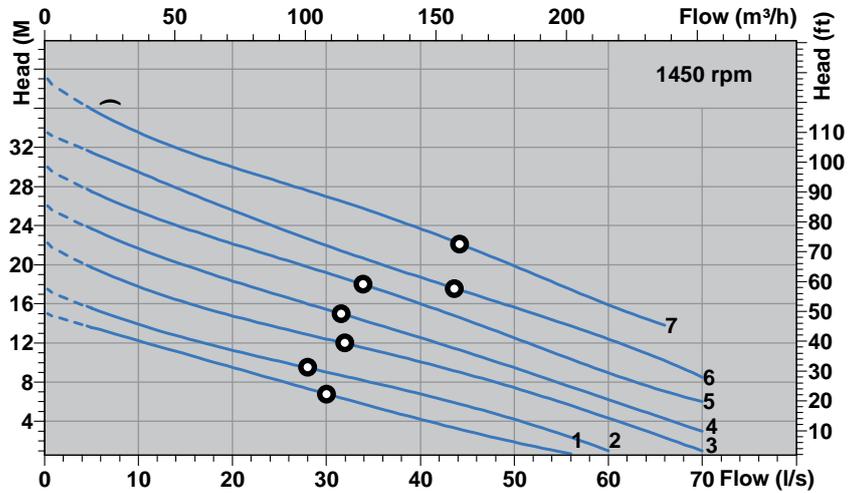
# MC - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



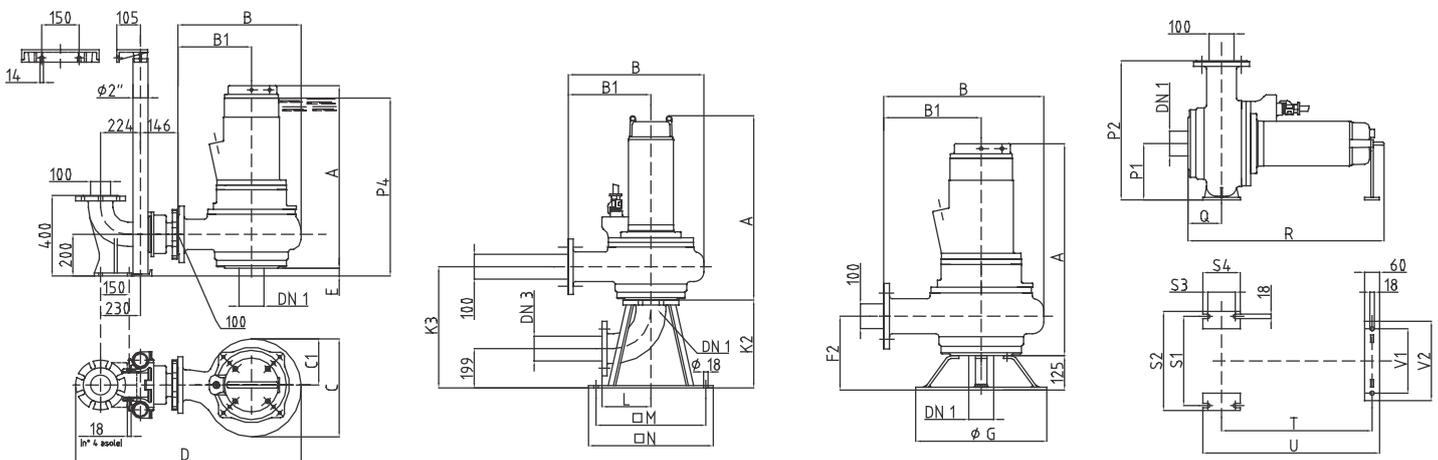
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS								PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCE - RENDIMENTO - EXECUÇÃO																	
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	H m																
									l/sec	0	5	10	15	20	25	30	35	40	45	50	55	60	70		
									m³/h	0	18	36	54	72	90	108	126	144	162	180	198	240	252		
1	MC - CC35 - GT - 4	4	3.5	400	7.5	1450	100	100	15	13.3	12.5	11	9.3	8.3	7	5.5	4	3	2	1					
2	MC - CC50 - GT - 4	6	5	400	11	1450	100	100	18	15.6	14	12.7	11.2	10.2	9	8	7	5.5	4	2.6	1.2				
3	MC - CC75 - GD - 4	9	7.5	400	16	1450	100	100	22	20	17.8	16.1	14.8	13.5	12.5	11.4	10	8.8	7.3	6	4.4	1.2			
4	MC - CC90 - GD - 4	11	9	400	20	1450	100	100	26	23.5	21.5	20	18.5	17	15.6	14	12.6	11.1	9.5	8	6.5	3			
5	MC - CC120 - GD - 4	14	12	400	24	1450	100	100	30	27.5	25.5	23.8	22.3	20.9	19.4	17.7	16.1	14.4	12.4	10.6	9	6			
6	MC - CC140 - GD - 4	17	14	400	30	1450	100	100	33.5	31.3	29.4	27.5	25.6	23.9	22.2	20.5	18.8	17.2	15.8	14	12.3	9			
7	MC - CC175 - GD - 4	20	17.5	400	36	1450	100	100	39	35.8	33.4	31.5	30	28.8	27	25.5	23.7	21.9	20	18	16				

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO																															
Nr	Modello - Type	A max	B	B1	C	C1	D	E	F2	P2	P4	P1	G	K1	K2	K3	L	M	N	S1	S2	S3	S4	T	U	V1	V2	DN1	DN3	KG	V
1	MC - CC35 - GT - 4	742	584	333	480	214	1061	65	254	584	757	200	395	151	345	468	195	380	440	280	330	95	140	651	751	260	320	100	100	104	100N
2	MC - CC50 - GT - 4	659	462	282	361	166	939	70	256	482	689	200	395	151	345	468	195	380	440	280	330	95	140	651	751	260	320	100	100	109	100N
3	MC - CC75 - GD - 4	675	462	282	361	166	939	70	256	482	703	250	450	199	470	605	271	440	500	350	410	120	160	902	1012	310	370	150	150	118	100N
4	MC - CC90 - GD - 4	742	584	333	480	214	1061	65	254	584	757	250	450	199	470	605	271	440	500	350	410	120	160	902	1012	310	370	150	150	184	100N
5	MC-CC120 - GD - 4	742	584	333	480	214	1061	65	254	584	757	250	450	199	470	605	271	440	500	350	410	120	160	902	1012	310	370	150	150	200	100N
6	MC-CC140 - GD - 4	818	584	333	480	214	1061	65	260	584	833	250	450	199	470	605	271	440	500	350	410	120	160	902	1012	310	370	150	150	212	100N
7	MC-CC175 - GD - 4	818	584	333	480	214	1061	65	260	584	833	250	450	199	470	605	271	440	500	350	410	120	160	902	1012	310	370	150	150	231	100N

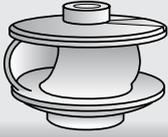
DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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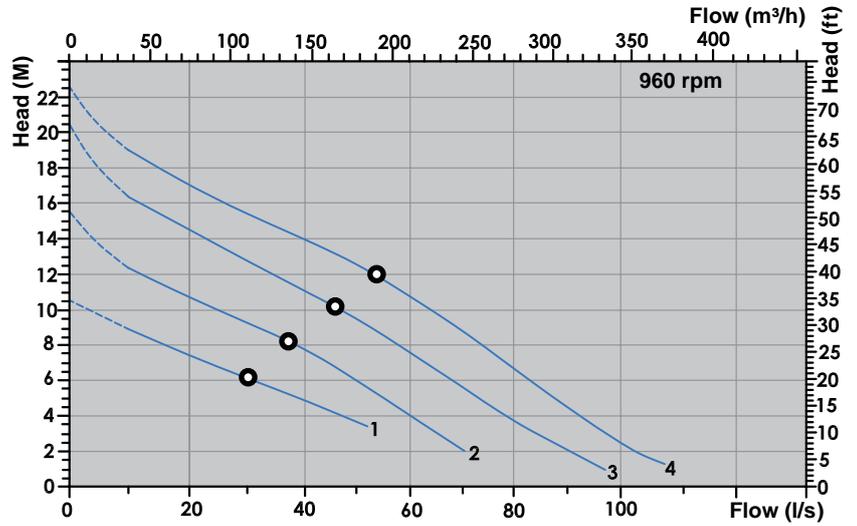
# MC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



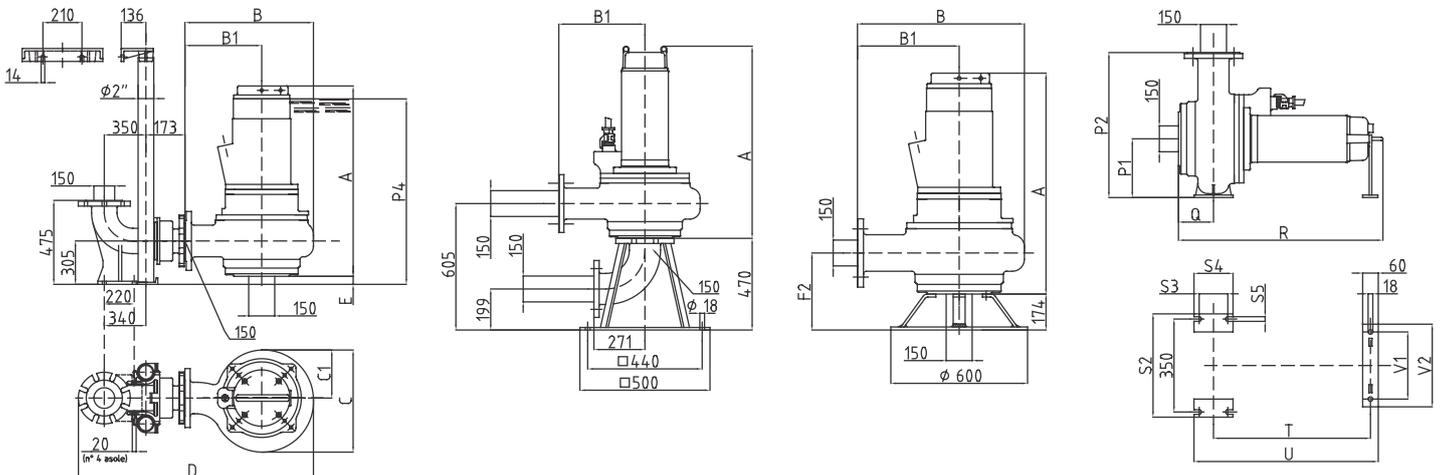
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO													
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	10	20	30	40	50	60	70	80	90	100	120	
1	MC - CC40 - IT - 6	5.1	4	400	10.7	960	150	100	H	10.5	9	7.5	6.3	5.1	3.5							
2	MC - CC50 - IT - 6	6	5	400	12	960	150	100	m	15.5	12.3	10.5	9.2	7.7	5.9	4	2					
3	MC - CC75 - ID - 6	8.5	7.5	400	17	960	150	100		20.5	16.4	14.2	12.4	10.9	9.2	7.2	5.3	3.6	2.1			
4	MC - CC100 - ID - 6	11.6	10	400	22.5	960	150	100		22.6	19	16.8	15.1	13.6	12.3	10.4	8.3	6.1	4.2	2.2		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO																								
Nr	Modello - Type	A max	B	B1	C	C1	D	E	F2	P2	P4	P1	Q	S1	S2	S3	S4	S5	T max	U max	V1	V2	V	KG
1	MC - CC40 - IT - 6	742	592	333	490	220	1266	171	303	583	863	250	135	280	410	120	160	18	662	772	260	320	150N	158
2	MC - CC50 - IT - 6	742	592	333	490	220	1266	171	303	583	863	250	135	280	410	120	160	18	662	772	260	320	150N	160
3	MC - CC75 - ID - 6	808	691	420	549	244	1365	166	306	770	959	310	140	350	450	90	140	20	831	931	310	370	150N	265
4	MC - CC100 - ID - 6	884	691	420	549	244	1365	166	306	770	994	310	140	350	450	90	140	20	831	931	310	370	150N	297

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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## Submersible pumps

### Multi-Channel Impeller

#### K Series

10.5 - 185 kW

Discharge size

DN 150 - 200 - 250 - 300 - 400

## Elettropompe sommergibili

### Girante Bicanale

#### Serie K

10.5 - 185 kW

Mandata

DN 150 - 200 - 250 - 300 - 400

## Погружные электронасосы

### С двухканальным рабочим колесом

#### Серия К

10.5 - 185 kW

выходное отверстие

DN 150 - 200 - 250 - 300 - 400

## Electropompes submersibles

### Roue a canaux

#### Série K

10.5 - 185 kW

Diam. refoulement

DN 150 - 200 - 250 - 300 - 400

## Bombas sumergibles

### Turbina con canales

#### Modelo K

10.5 - 185 kW

Diámetro impulsión

DN 150 - 200 - 250 - 300 - 400

## Bombas eléctricas submergíveis

### Giratória a canais

#### Série K

10.5 - 185 kW

Diámetro boca

DN 150 - 200 - 250 - 300 - 400



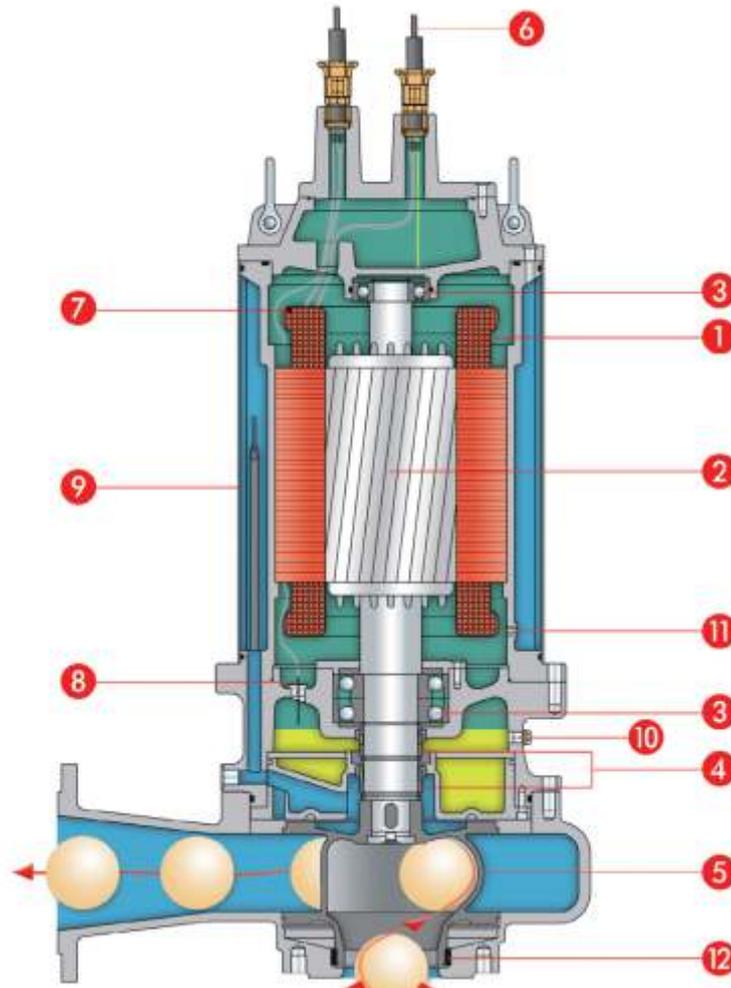
# K Series



Technical features  
Caratteristiche costruttive

Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 720 - 960 - 1450 rpm. Voltage: three-phase  
3x380/415V-50  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Pre-lubricated long-life bearings
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: silicon carbide/silicon carbide
5. Closed multi-channel impeller
6. Cable H07RNF
7. Thermal protection embedded in winding (optional)
8. Oil chamber probe
9. Cooling jacket (optional)
10. Oil inspection plug
11. Air plug hole for the motor water tightness control
12. Bronze wear ring

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP68  
Giri: 720 - 960 - 1450 al min<sup>-1</sup>  
Voltaggio: trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta
2. Albero in acciaio AISI 420
3. Cuscinetti prelubrificati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: carburo di silicio/carburo di silicio
5. Girante bicanale chiusa
6. Cavo H07RNF
7. Protezione termica incorporata nell'avvolgimento (optional)
8. Sonda camera olio
9. Camicia di raffreddamento
10. Ispezione olio
11. Controllo tenuta stagna motore
12. Anello usura in bronzo



- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Герметичный полностью погружной двигатель.<br/>Класс изоляции H. Класс защиты IP68.<br/>Скорость вращения: 720 - 960 - 1450 об./мин.<br/>Напряжение: трехфазное 380/415 В 50 Гц.<br/>Другие напряжения и частота под заказ.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники со смазкой</li> <li>4. Двойное мех. уплотнение в масляной камере<br/>С гидравлической стороны: карбид кремния/ карбид кремния<br/>Со стороны двигателя: карбид кремния/ карбид кремния</li> <li>5. Двухканальное рабочее колесо</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита в обмотке (опция)</li> <li>8. Датчик в масляной камере</li> <li>9. Охлаждающая рубашка (опция)</li> <li>10. Окошко для контроля масла</li> <li>11. Контроль герметичности двигателя</li> <li>12. Расходное кольцо из бронзы</li> </ol> | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau<br/>Classe d'isolation H. indice de protection IP 68<br/>Vitesse de rotation: 720 - 960 - 1450 - tr/mn<br/>Bobinage tri: 3x380/415V-50 Hz Fréquence: 50 Hz<br/>Autres tensions et fréquences sur demande.</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile<br/>Garniture inférieure: Carbure de silicium/Carbure de silicium<br/>Garniture supérieure: Carbure de silicium/Carbure de silicium</li> <li>5. Roue à canaux</li> <li>6. Câble H07RNF</li> <li>7. Protection thermique intégré dans le bobinage (en option)</li> <li>8. Détecteur d'infiltration dans la chambre à huile</li> <li>9. Chemise de refroidissement</li> <li>10. Inspection de l'huile</li> <li>11. Contrôle moteur étanche à l'eau</li> <li>12. Anneau usure en bronze</li> </ol> |
|--|---|

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco<br/>Clase de aislamiento H. Protección IP-68.<br/>Velocidad: 720 - 960 - 1450 rpm/min<sup>-1</sup><br/>Voltaje: trifásico 3x380/415V-50 Hz<br/>Otros voltajes y frecuencias a demanda.</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite<br/>Carburo de silicio/Carburo de silicio en el lado agua.<br/>Carburo de silicio/Carburo de silicio en el lado motor</li> <li>5. Impulsor con canales</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado (opcional)</li> <li>8. Detector de infiltraciones en la cámara de aceite</li> <li>9. Camisa de refrigeración (opcional)</li> <li>10. Inspección aceite</li> <li>11. Control de motor estanco</li> <li>12. Anillo de desgaste de bronce</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanque<br/>Isolamentos em classe H. Grau de proteção IP 68<br/>rpm: 720 - 960 - 1450<br/>Tensão: trifásica 3x380/415V-50 Hz<br/>Outras tensões e frequências a pedido.</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentas de manutenção</li> <li>4. Duplo contenção na câmara óleo<br/>Contenção inferior: carboneto de silício<br/>Contenção superior: carboneto de silício</li> <li>5. Giratória giratória a canais</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica nas bobinas (opcional)</li> <li>8. Detector da infiltração na câmara óleo</li> <li>9. Camisa de resfriamento</li> <li>10. Inspeção de óleo</li> <li>11. Controle motor estanque</li> <li>12. Anel de desgaste de bronze</li> </ol> |
|--|--|



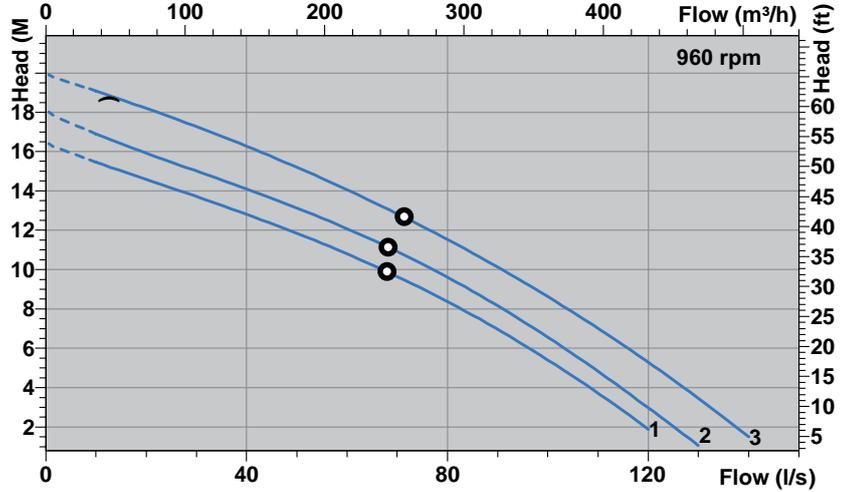
# K - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

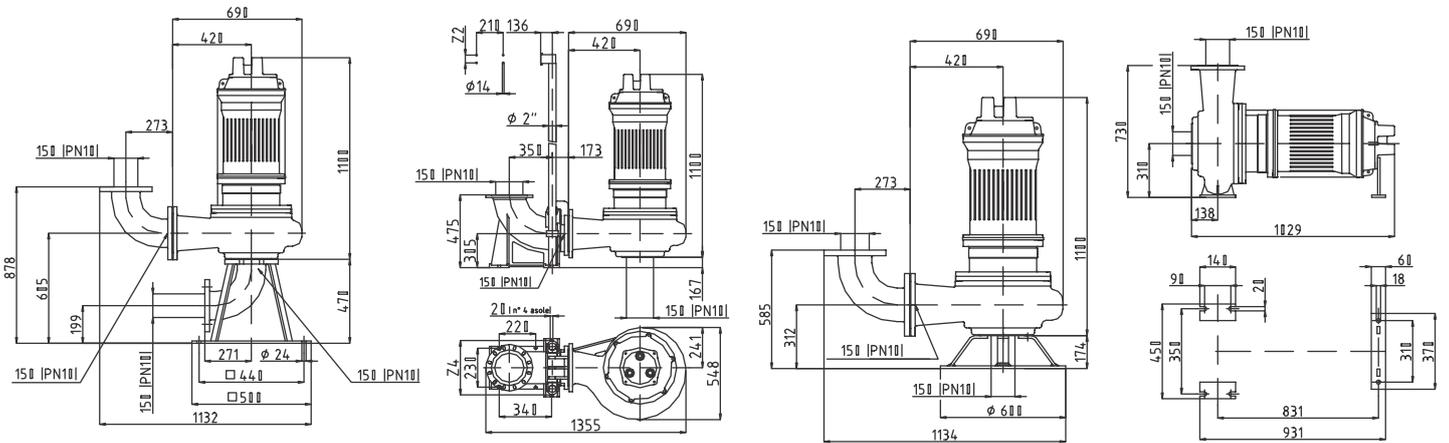


GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS											PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO											
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	20	40	60	80	100	120	140	150		
1	KC - CL105 - ID - 6	14.5	10.5	400	25	960	150	80	150N	310	H m	16.4	14.6	12.8	10.8	8.4	5.4	1.9				
2	KC - CL115 - ID - 6	15.5	11.5	400	27	960	150	80	150N	310		18	16	14	12.1	9.7	6.5	3				
3	KC - CL135 - ID - 6	16	13.5	400	29.4	960	150	80	150N	310		19.9	18.2	16.3	14	11.6	8.6	5.3	1.5			

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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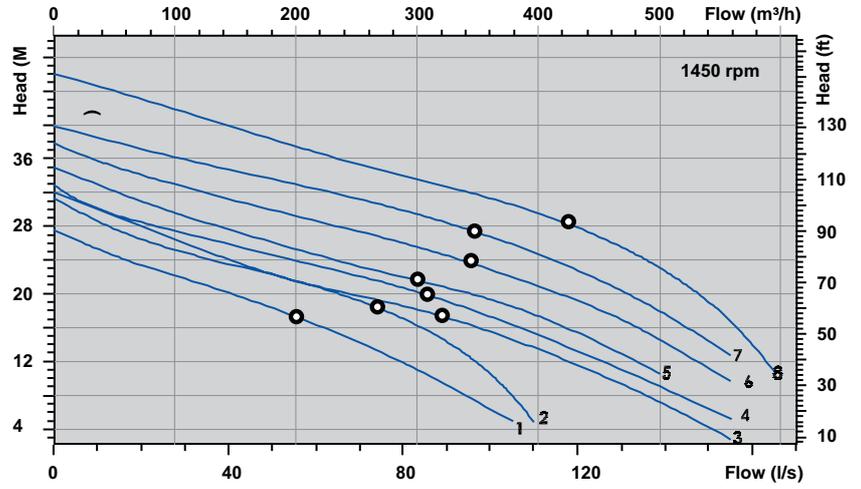
# KC - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMIENTO - EXECUÇÃO													
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	H m													
									l/sec m³/h	0	20	40	60	80	100	120	140	150	160			
1	KC - CL140 - ID - 4	17	14	400	30	1450	150	80	27.4	23.4	20	16.3	11.8	6.4								
2	KC - CL190 - ID - 4	22	19	400	45	1450	150	80	31.8	28	24	20.7	17	10.5								
3	KC - CL260 - ID - 4	30	26	400	48	1450	150	80	31.2	26.5	23.4	21	18.6	15.5	11.6	6.8	4.2					
4	KC - CL300 - ID - 4	33	30	400	63	1450	150	80	32.5	28.8	25.6	23.1	20.7	17.5	13.2	8.4	6.6					
5	KC - CL340 - ID - 4	39	34	400	68	1450	150	80	35	31	27.4	24.6	22	19.2	16	9.4	6.9					
6	KC - CL380 - ID - 4	42	38	400	72	1450	150	80	37.5	34.3	31.1	28.5	26.1	23	19.1	14.1	11.4					
7	KC - CL450 - ID - 4	48	45	400	75	1450	150	80	40	37.1	34.7	32.4	29.9	26.7	22.7	17.6	14.4					
8	KC - CL520 - ID - 4	56	52	400	88	1450	150	80	46	42.7	40	37.1	34	30.9	27.7	23.1	18.8	13.8				

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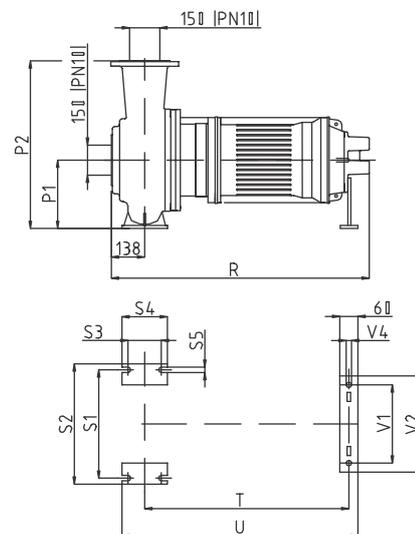
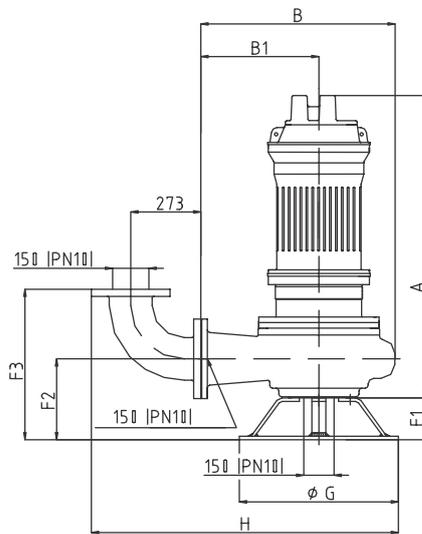
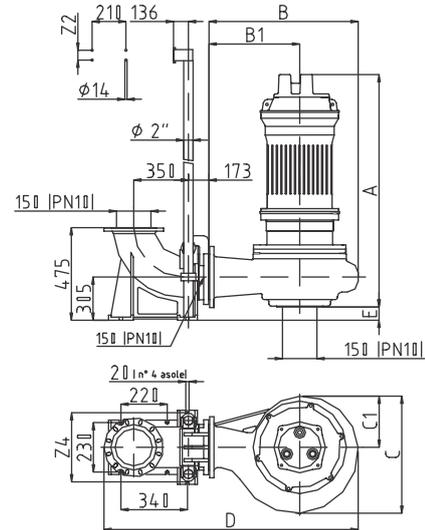
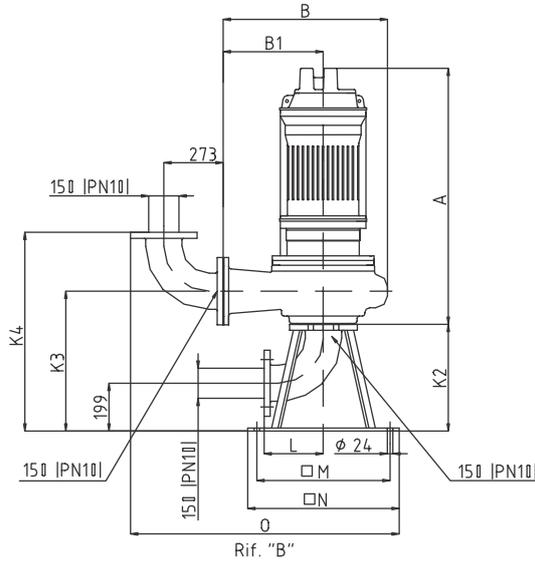


# KC - 4

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO																																		
Nr	Modello - Type	A <sub>max</sub>	B	B1	C	C1	D	E	F1	F2	F3	G	H	O	P1	K2	K3	K4	L	M	N	P2	S1	S2	S3	S4	S5	T <sub>max</sub>	U <sub>max</sub>	V1	V2	V4	V	KG
1	KC-CL140-ID-4	820	608	370	468	209	1273	170	125	260	533	450	1024	310	470	605	878	271	440	500	250	620	350	410	120	160	18	902	1012	310	370	18	150N	218
2	KC-CL190-ID-4	1100	690	420	548	241	1355	167	174	260	447	600	1106	250	470	605	878	271	440	500	310	730	350	450	90	140	20	1125	1225	360	420	20	150N	320
3	KC-CL260-ID-4	864	755	455	596	264	1429	755	455	596	585	264	1429	1123	310	470	610	883	271	440	500	765	350	450	90	140	20	1125	1135	360	420	20	150N	410
4	KC-CL300-ID-4	1062	755	455	596	264	1429	755	455	596	585	264	1429	1123	310	470	610	883	271	440	500	765	350	450	90	140	20	1125	1135	360	420	20	150N	420
5	KC-CL340-ID-4	1062	755	455	596	264	1429	755	455	596	585	264	1429	1123	310	470	610	883	271	440	500	765	350	450	90	140	20	1125	1135	360	420	20	150N	430
6	KC-CL380-ID-4	1208	755	455	596	264	1429	165	174	312	585	600	1173	1123	310	500	640	913	283	560	650	760	450	550	120	160	23	1144	1254	360	420	23	150N	550
7	KC-CL450-ID-4	1208	755	455	596	264	1429	165	174	312	585	600	1173	1123	310	500	640	913	283	560	650	760	450	550	120	160	23	1144	1254	360	420	23	150N	560
8	KC-CL520-ID-4	1208	755	455	596	264	1429	165	174	312	585	600	1173	1123	310	500	640	913	283	560	650	760	450	550	120	160	23	1144	1254	360	420	23	150N	615

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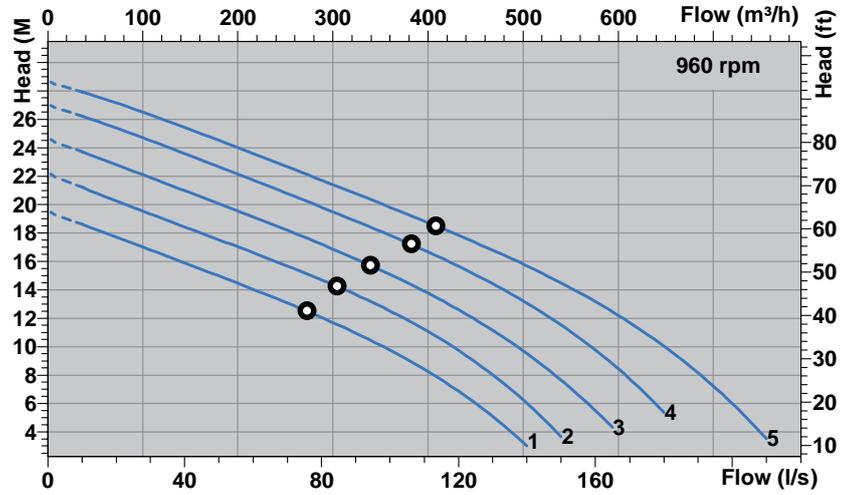
# KC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

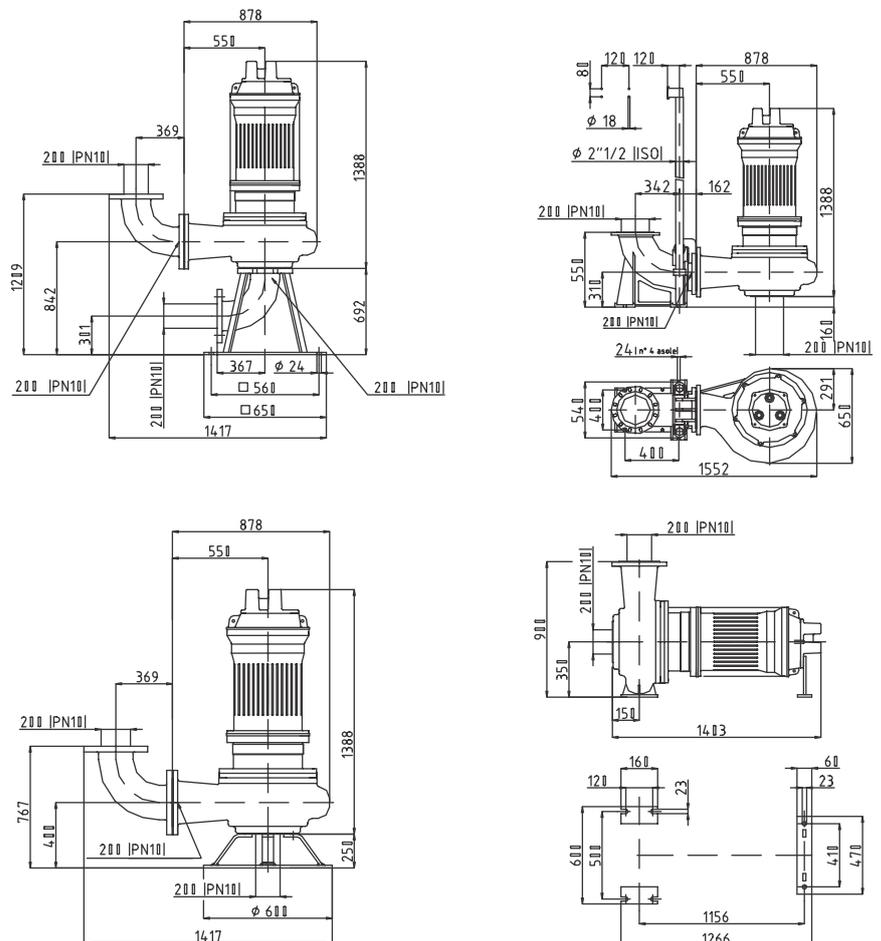
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO														
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	10	20	40	60	80	100	120	140	160	180	200	
1	KC - CL170 - JD-6R	19.5	17	400	36	960	200	100	200N	492		H m	19.5	18.6	17.7	15.9	14	12.1	9.7	6.9	3			
2	KC - CL170 - JD-6	19.5	17	400	36	960	200	100	200N	515	22.2		21.2	20.3	18.4	16.6	14.8	12.4	9.8	6				
3	KC - CL220 - JD-6	26	22	400	48	960	200	100	200N	517	24.5		23.7	22.8	21	19.1	17.2	15.1	12.6	9.5	5.5			
4	KC - CL250 - JD-6	29.3	25	400	55.5	960	200	100	200N	545	27		26.2	25.4	23.6	21.7	19.8	17.8	15.7	13.1	9.7	5.4		
5	KC - CL340 - JD-6	36.9	34	400	67.5	960	200	100	200N	758	28.5		28	27	25.5	23.6	21.7	19.8	17.8	15.7	13.2	10	6	

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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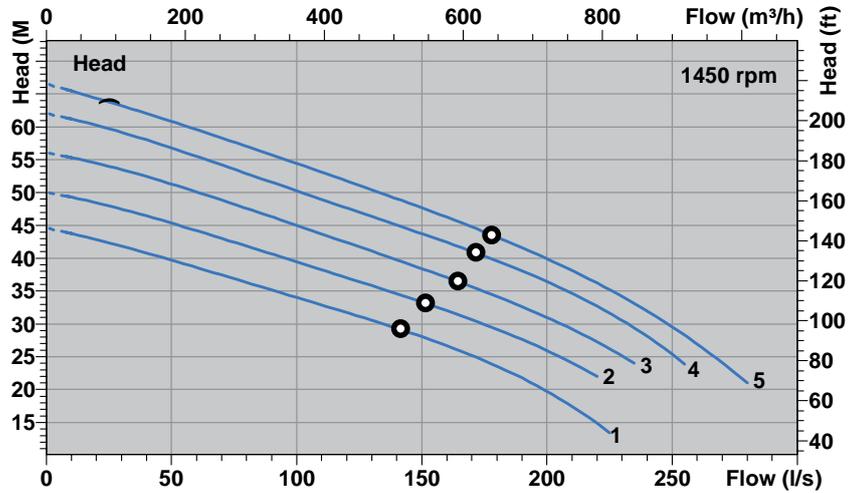
# KC - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



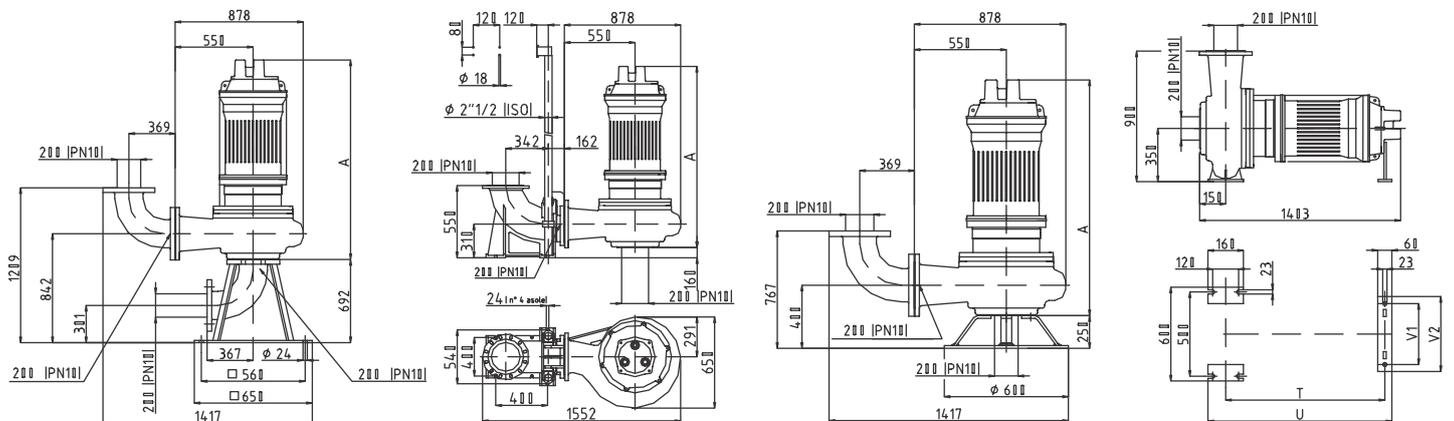
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS							PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO																				
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	10	20	40	60	80	100	120	140	160	180	200	220	240	260	280		
1	KC - CL680 - JD - 4	74.7	68	400	130	1450	200	100	H m	44.5	43.9	42.9	40.8	38.5	36.3	34	31.2	29.2	26.5	23.4	19.7	14.9					
2	KC - CL790 - JD - 4	85	79	400	141	1450	200	100		50	49.5	48.5	46.5	44.2	41.8	39.5	37.1	34.6	32.2	29.3	25.9	21.8					
3	KC - CL900 - JD - 4	99	90	400	164	1450	200	100		56	55	54.4	52.4	50	47.6	45	42.4	39.9	37.3	34.4	31.3	27.5					
4	KC - CLA05 - JD - 4	114	105	400	188	1450	200	100		62	61.5	60.2	58	55.9	53	50.4	47.6	45	42.3	39.4	36.3	32.8	28.4				
5	KC - CLA27 - JD - 4	138	127	400	231	1450	200	100		66.5	65.5	64.3	62	59.4	56.7	54	51.2	48.6	45.8	43	40	36.4	32.2	26.9	21.5		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO									
Nr	Modello - Type	A max	R max	T max	U max	V1	V2	V	KG
1	KC - CL680 - JD - 4	1158	1533	1286	1396	410	470	200N	662
2	KC - CL790 - JD - 4	1158	1533	1286	1396	410	470	200N	753
3	KC - CL900 - JD - 4	1158	1533	1286	1396	410	470	200N	930
4	KC - CLA05 - JD - 4	1158	1533	1286	1396	410	470	200N	1000
5	KC - CLA27 - JD - 4	1673	1388	1440	1550	508	568	200N	1030

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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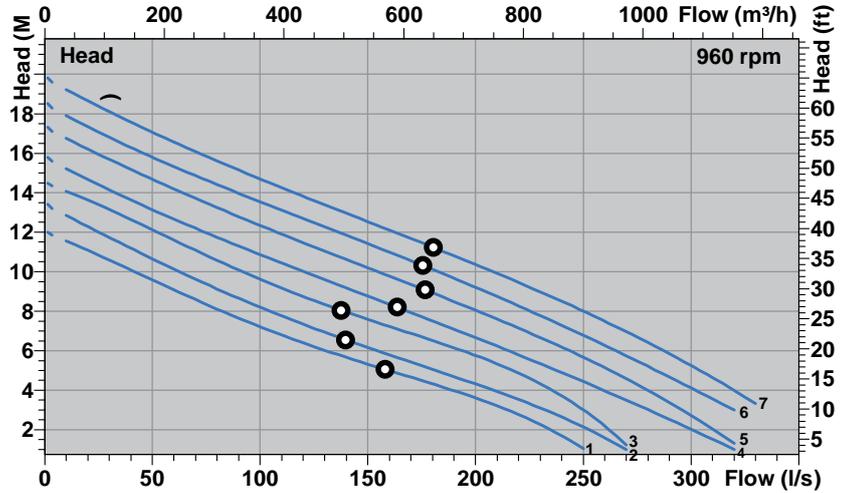
# KC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



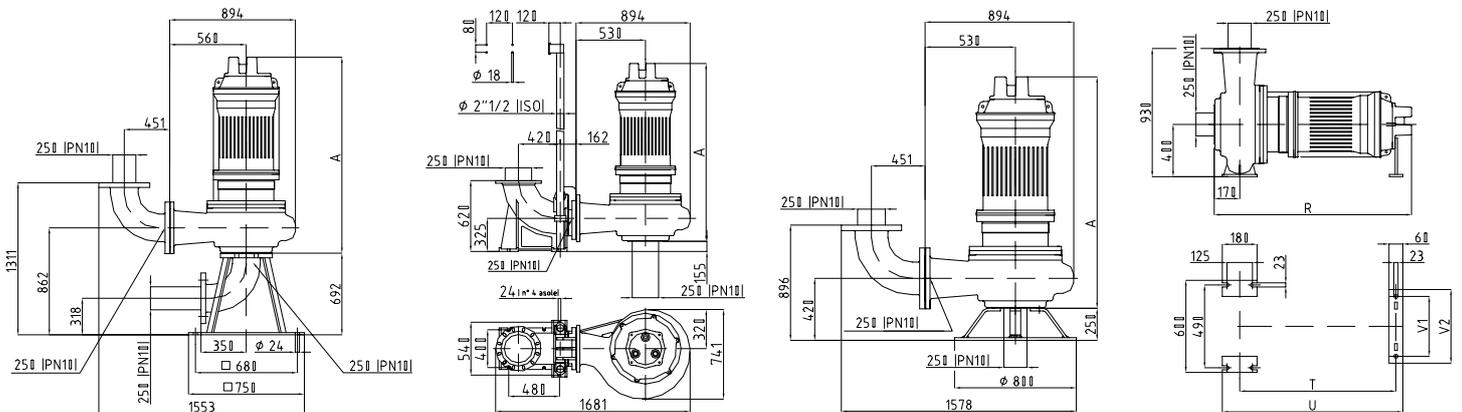
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS									PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO																
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec m³/h	0	12	20	40	60	80	100	120	140	160	180	200	240	280	320	
										H m	0	43	72	144	216	288	360	432	504	576	648	720	864	1008	1152
1	KC - CL170 - KD - 6R	19.5	17	400	36.4	960	250	130	12	11.5	11	10.1	9	8.1	7.2	6.3	5.6	5	4.3	3.6	1.7				
2	KC - CL170 - KD - 6	19.5	17	400	36.4	960	250	130	13.5	12.7	12.2	11.2	10.2	9.2	8.2	7.3	6.5	5.8	5	4.3	2.7				
3	KC - CL 200 - KD - 6	22.4	20	400	41.2	960	250	130	14.5	14	13.6	12.6	11.6	10.6	9.7	8.8	8	7.2	6.5	5.7	3.8				
4	KC - CL 220 - KD - 6	26	22	400	48.3	960	250	130	16	15	14.6	13.6	12.6	11.7	10.9	10.1	9.2	8.4	7.5	6.6	5	3	1		
5	KC - CL 250 - KD - 6	29.3	25	400	55.5	960	250	130	17.5	16.6	16.2	15.1	14.2	13.2	12.3	11.5	10.6	9.8	9	8.1	6.2	4.1	1.4		
6	KC - CL 330 - KD - 6	36.9	33	400	67.5	960	250	130	18.5	17.8	17.4	16.4	15.3	14.4	13.6	12.6	11.7	11	10.2	9.3	7.3	5.1			
7	KC - CL 400 - KD - 6	45	40	400	82	960	250	130	20	19.1	18.6	17.6	16.5	15.6	14.7	13.8	13	12.1	11.3	10.4	8.5	6.5	4		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO									
Nr	Modello - Type	A max	R max	T max	U max	V1	V2	V	KG
1	KC - CL170 - KD - 6R	1363	1375	1128	1248	360	420	250N	552
2	KC - CL170 - KD - 6	1363	1375	1128	1248	360	420	250N	552
3	KC - CL 200 - KD - 6	1363	1375	1128	1248	360	420	250N	585
4	KC - CL 220 - KD - 6	1363	1375	1128	1248	360	420	250N	595
5	KC - CL 250 - KD - 6	1363	1375	1128	1248	360	420	250N	617
6	KC - CL 330 - KD - 6	1584	1563	1296	1416	410	470	250N	702
7	KC - CL 400 - KD - 6	1584	1563	1296	1416	410	470	250N	735

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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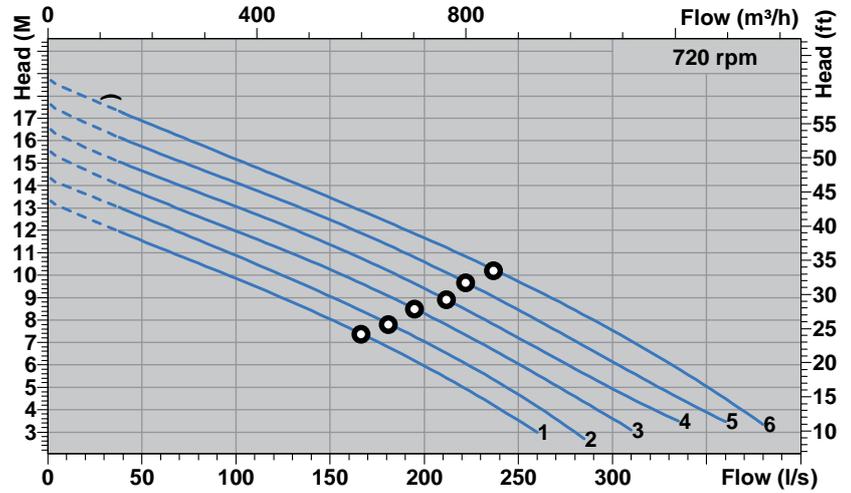
# KC - 8



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

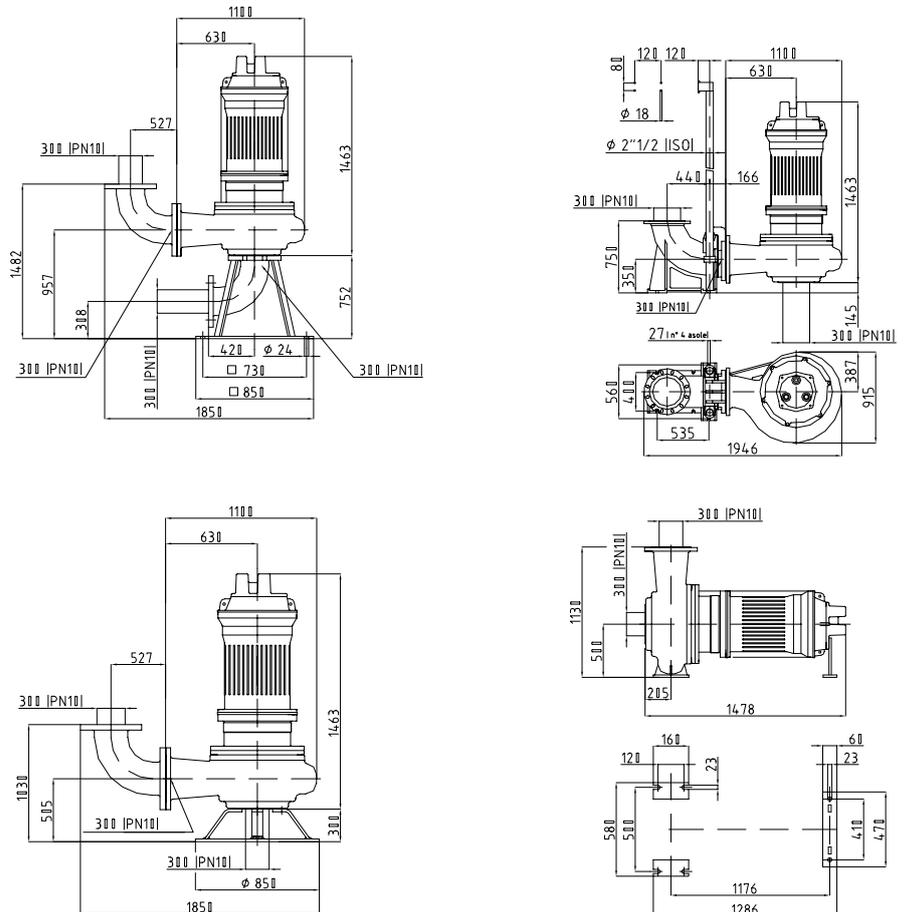
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ - CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS											PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO																	
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec	0	40	60	80	100	120	150	160	200	240	250	280	300	320	350	360	380
1	KC - CL250 - LD - 83R	28	25	400	55	720	300	150	300N	888	m³/h	0	144	216	288	360	432	540	576	720	864	900	1008	1080	1152	1260	1296	1368
2	KC - CL250 - LD - 8RR	28	25	400	55	720	300	150	300N	890	H	13.4	11.9	11.3	10.5	9.8	9.1	8	7.7	5.9	4	3.6						
3	KC - CL250 - LD - 8R	28	25	400	55	720	300	150	300N	893	m	14.4	12.9	12.2	11.6	10.9	10.2	9.2	8.8	7	5.3	4.8	3.3					
4	KC - CL250 - LD - 8	28	25	400	55	720	300	150	300N	895		15.5	14	13.4	12.7	12	11.2	10.3	9.8	8.3	6.4	6	4.6	3.5				
5	KC - CL310 - LD - 8R	35	31	400	67	720	300	150	300N	915		16.5	15	14.3	13.8	13	12.3	11.3	10.9	9.4	7.7	7.3	5.8	4.8	3.9			
6	KC - CL310 - LD - 8	35	31	400	67	720	300	150	300N	918		17.6	16.1	15.4	14.8	14.1	13.4	12.4	12.1	10.5	9	8.5	7	6.2	5.2	3.6	2.4	
												18.7	17.2	16.5	15.9	15.2	14.6	13.6	13.2	11.7	10.2	9.7	8.4	7.5	6.5	6	5.5	3.5

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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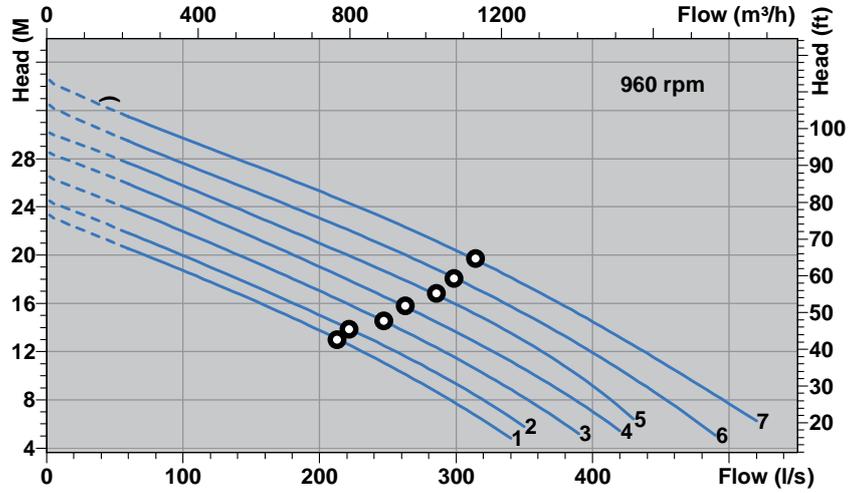
# KC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



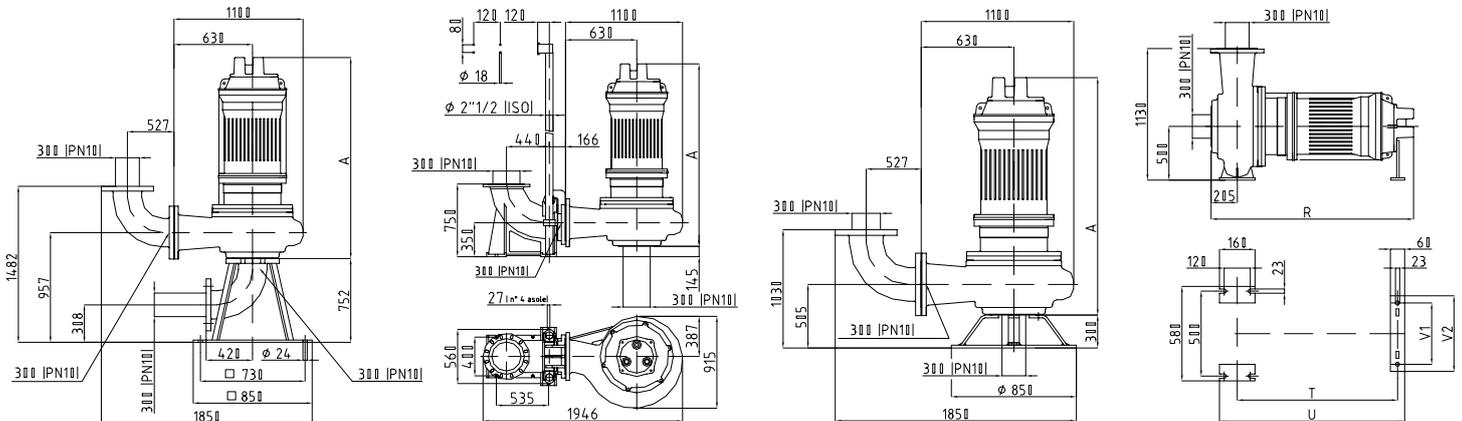
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ - CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS								PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMIENTO - EXECUÇÃO																							
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	l/sec	m³/h																					
										0	40	60	80	100	120	150	160	200	240	250	280	300	320	350	360	380	400	450	500		
1	KC - CL400 - LD -6	45	40	400	82	960	300	150	H m	23.2	21.5	20.5	19.5	18.6	17.5	16.3	15.8	13.8	864	900	1008	1080	1152	1260	1296	1368	1440	1620	1800		
2	KC - CL500 -LD-6R	55	50	400	100	960	300	150		24.5	22.8	21.7	21	19.9	19	17.6	17.1	15.1	12.8	12.3	10.7	9.1	8	5.8							
3	KC - CL500 - LD-6	55	50	400	100	960	300	150		26.5	24.6	23.7	22.9	21.9	21.1	19.6	19	17.2	15	14.4	12.6	11.4	10.2	8.1	7.5	6.2					
4	KC - CL580 - LD-6	64	58	400	118	960	300	150		28.5	26.8	25.6	24.9	23.9	23	21.6	21.1	19.1	17	16.5	14.7	13.6	12.5	10.4	9.6	8.6	7.1				
5	KC - CL690 -LD-6R	75	69	400	138	960	300	150		30.1	28.6	27	26.7	25.8	24.8	23.5	23	21.2	19.1	18.6	17	15.8	14.6	12.7	12.3	11	9.6	6.3			
6	KC - CL690 - LD-6	75	69	400	138	960	300	150		32.5	30.5	29	28.5	27.8	26.4	25.6	25	23.2	21.2	20.7	19.1	18	17	15	14.6	13.2	12	8.7			
7	KC - CL820 - LD-6	90	82	400	166	960	300	150		34.5	32.5	31	30.5	29.8	28.7	27.5	27.1	25.2	23.4	22.8	21.4	20.2	19.2	17.4	16.8	15.6	14.3	11	7.7		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ - DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO									
Nr	Modello - Type	A max	R max	T max	U max	V1	V2	V	KG
1	KC - CL400 - LD -6	1593	1608	1306	1416	410	470	300N	910
2	KC - CL500 -LD-6R	1593	1608	1306	1416	410	470	300N	975
3	KC - CL500 - LD-6	1593	1608	1306	1416	410	470	300N	975
4	KC - CL580 - LD-6	1593	1608	1306	1416	410	470	300N	1040
5	KC - CL690 -LD-6R	1773	1788	1486	1596	508	568	300N	1125
6	KC - CL690 - LD-6	1773	1788	1486	1596	508	568	300N	1125
7	KC - CL820 - LD-6	1773	1788	1486	1596	508	568	300N	1198

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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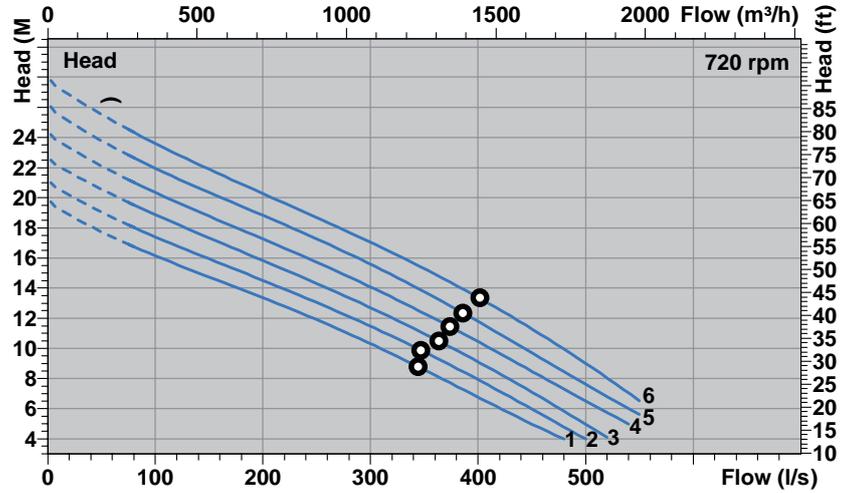
# KC - 8



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

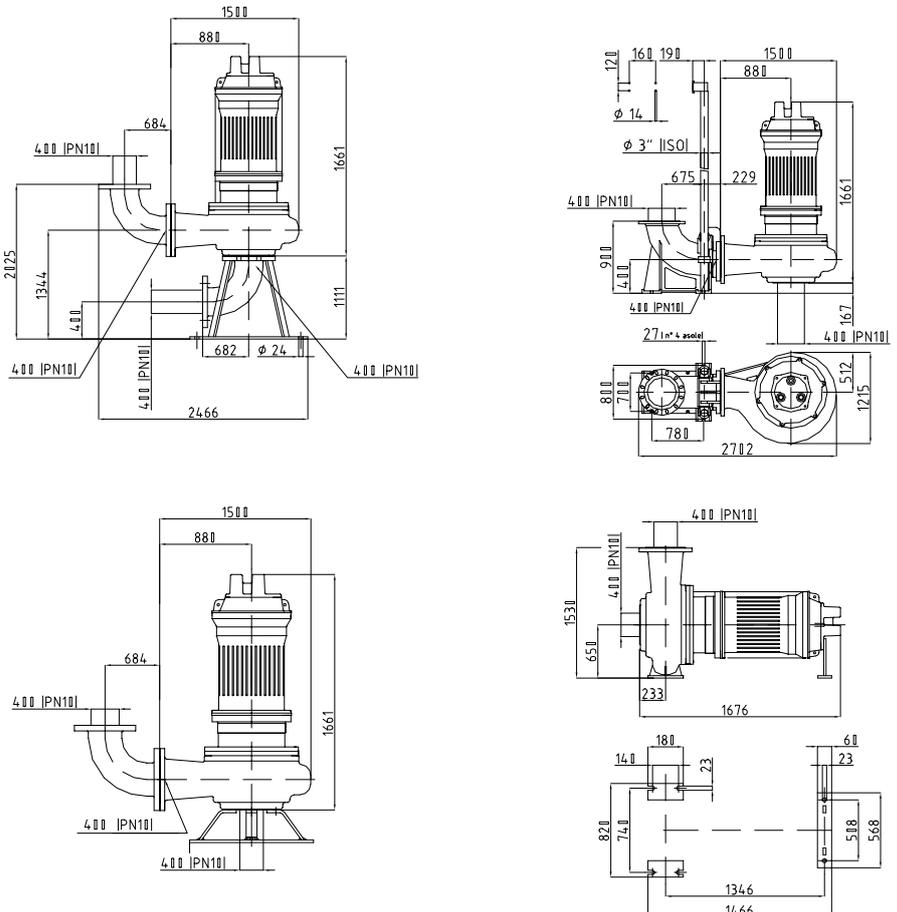
ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO																
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	I/sec	0	80	100	150	200	250	300	350	400	450	500	550	600		
											m³/h	0	288	360	540	720	900	1080	1260	1440	1620	1800	1980	2160		
1	KC - CL450 - ND - 8R	50	45	400	94	720	400	165	400N	1550	H	19.7	16.7	16.1	14.7	13.3	11.8	10.3	8.5	6.7	4.8					
2	KC - CL450 - ND - 8	50	45	400	94	720	400	165	400N	1560		21	18.1	17.4	15.9	14.5	13.1	11.4	9.7	7.8	6	4				
3	KC - CL530 - ND - 8	58	53	400	110	720	400	165	400N	1590		22.5	19.5	18.9	17.3	15.8	14.3	12.7	11	9.1	7.1	5.1				
4	KC - CL630 - ND - 8R	70	63	400	130	720	400	165	400N	1620		24.3	21	20.3	18.8	17.3	15.7	14.1	12.3	10.4	8.4	6.4				
5	KC - CL630 - ND - 8	70	63	400	130	720	400	165	400N	1630		26	22.6	21.9	20.3	18.8	17.2	15.5	13.7	11.8	9.8	7.7	5.8			
6	KC - CL720 - ND - 8	79	72	400	148	720	400	165	400N	1670		28	24.2	23.6	21.9	20.3	18.8	17.1	15.2	13.3	11.2	9.1	7			

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONS TOTALES  
DIMENSÕES GLOBAIS



\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



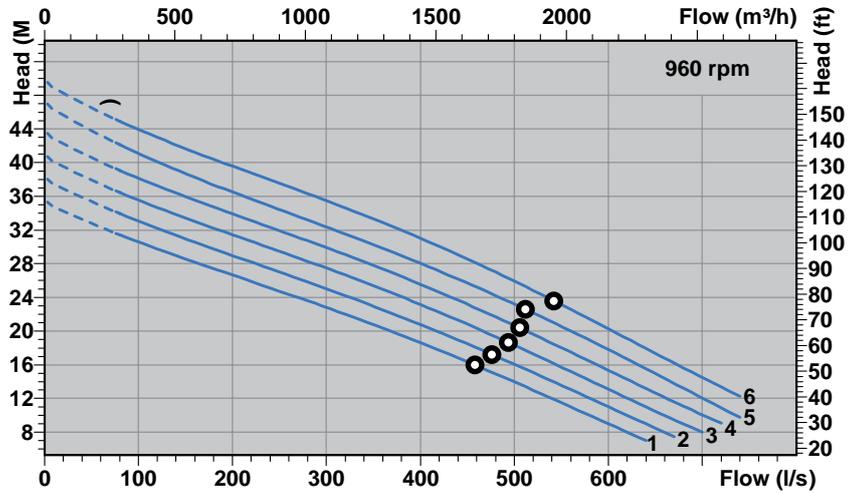
# KC - 6



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



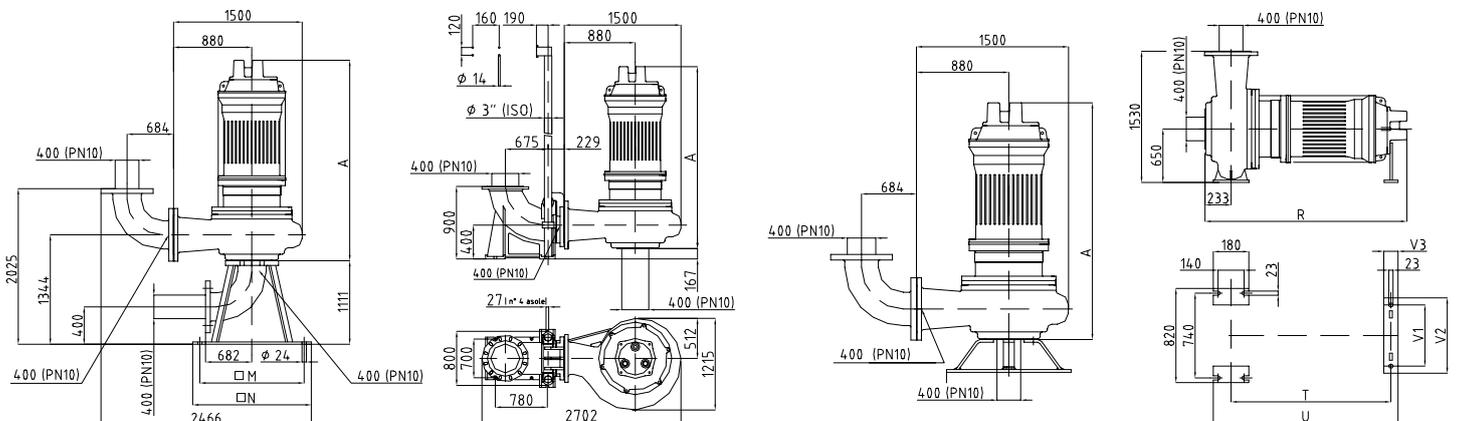
GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS								PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCES - RENDIMENTO - EXECUÇÃO																	
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	I/sec	0	80	100	150	200	250	300	350	400	450	500	550	600	700		
									m³/h	0	288	360	540	720	900	1080	1260	1440	1620	1800	1980	2160	2520		
1	KC - CLA12 - ND-6R	123	112	400	227	960	400	165	H m	34.7	31.3	30.4	28.5	26.6	24.8	22.8	20.8	18.6	13.2	13.9	11.3	8.9			
2	KC - CLA12 - ND-6	123	112	400	227	960	400	165		38	33.8	32.9	30.8	28.8	27	24.9	22.8	20.7	18.4	16	13.5	11			
3	KC - CLA32 - ND-6	141	132	400	241	960	400	165		41	36.4	35.5	33.2	31.3	29.3	27.3	25.3	23	20.8	18.3	15.9	13.1	7.8		
4	KC - CLA60 - ND-6	169	160	400	287	960	400	165		43.5	39.3	38.3	36	33.7	31.8	29.8	27.7	25.6	24.2	20.7	18.2	15.3	10.1		
5	KC - CLA69 - ND-6	169	160	400	287	960	400	165		47	42	41	38.7	36.7	34.5	32.5	30.4	28.2	25.8	23.2	20.5	17.8	12.2		
6	KC - CLA85 - ND-6	195	185	400	337	960	400	165		50	45.1	44	41.8	39.6	37.5	35.3	33	30.8	28.5	25.9	23.3	20.4	14.7		

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSÕES DE INSTALAÇÃO									
Nr	Modello - Type	A max	R max	T max	U max	V1	V2	V	KG
1	KC - CLA12 - ND-6R	1811	1826	1496	1616	508	568	400N	1705
2	KC - CLA12 - ND-6	1811	1826	1496	1616	508	568	400N	1710
3	KC - CLA32 - ND-6	2674	2073	1801	1941	740	800	400N	2230
4	KC - CLA60 - ND-6	2674	2073	1801	1941	740	800	400N	2260
5	KC - CLA69 - ND-6	2674	2073	1801	1941	740	800	400N	2265
6	KC - CLA85 - ND-6	2894	2293	2021	2161	740	800	400N	2465

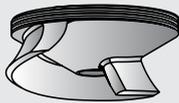
DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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## Submersible pumps

### Single channel Impeller

#### MA Series

0.6 - 2.6 kW

Discharge size

DN 50

## Elettropompe sommergibili

### Girante Monocanale

#### Serie MA

0.6 - 2.6 kW

Mandata

DN 50

## Погружные электронасосы

### С одноканальным рабочим

#### Серия МА

0.6 - 2.6 kW

выходное отверстие

DN 50

## Electropompes submersibles

### Roue monocanal

#### Série MA

0.6 - 2.6 kW

Diam. refoulement

DN 50

## Bombas sumergibles

### Turbina monocanal

#### Modelo MA

0.6 - 2.6 kW

Diámetro impulsión

DN 50

## Bombas eléctricas submergíveis

### Gitatória mono-canal

#### Série MA

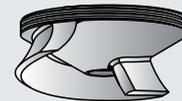
0.6 - 2.6 kW

Diâmetro boca

DN 50



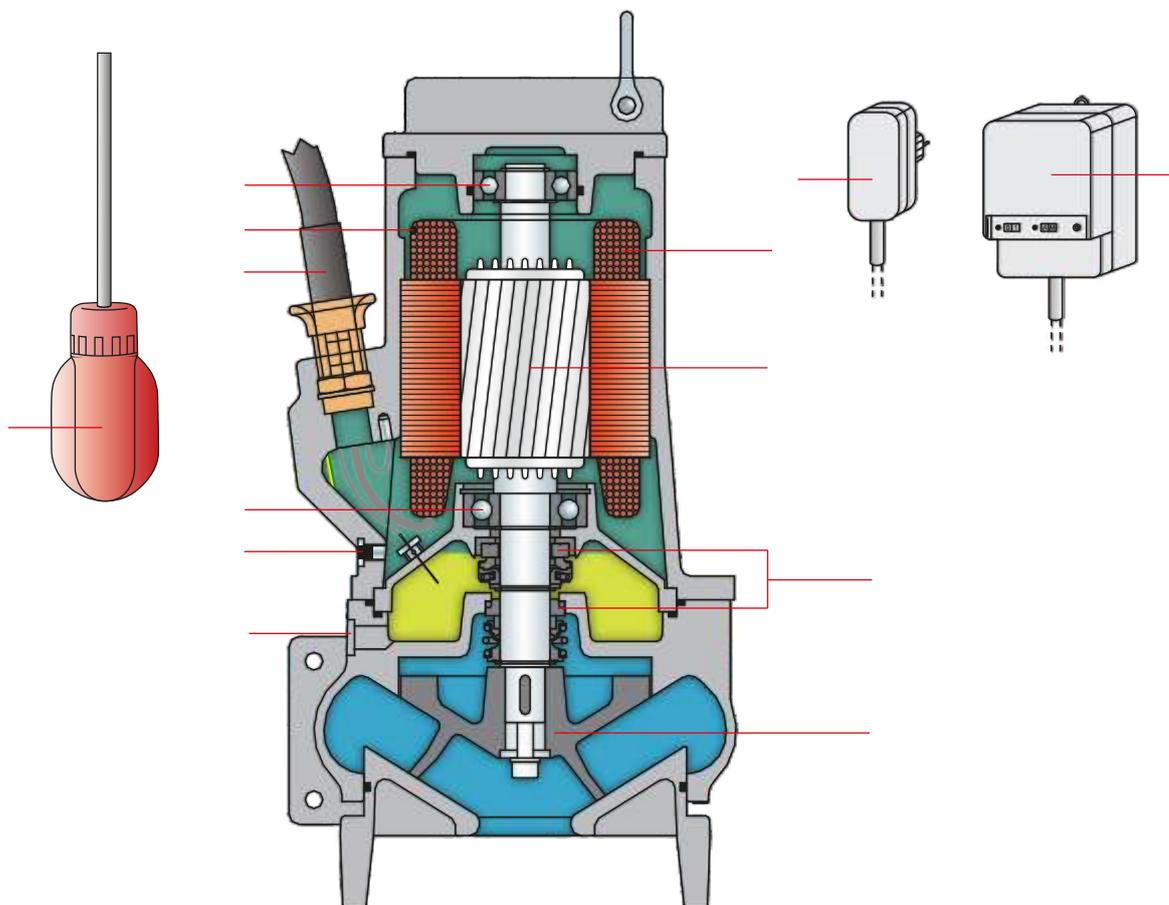
# MA Series



Technical features  
Caratteristiche costruttive

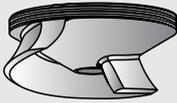
Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 2850 rpm. Voltage: single-phase 1x230V-50 Hz  
Three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Heavy duty Bearings for long life
4. Double mechanical seal in oil chamber + radial lipseal  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina
5. Single-channel open impeller
6. Cable H07RNF
7. Thermal protection standard in the single phase execution
8. Plug with capacitor
9. Float switch regulator
10. AET-AEM electrical gear for three-phase  
and single-phase execution
11. Oil inspection plug
12. Air plug hole for the motor water tightness control

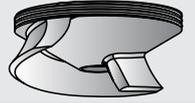
1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 2850 al min-1. Voltaggio: monofase 1x230V-50 Hz  
e trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio + paraolio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina
5. Girante Monocanale Aperta
6. Cavo H07RNF
7. Protezione termica di serie nella versione monofase
8. Spina condensatore
9. Galleggiante
10. AET-AEM quadro elettrico per versione  
trifase e monofase
11. Ispezione olio
12. Controllo tenuta stagna motore



# MA Series

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 2850 об./мин. Напряжение: однофазное 1x230 В 50 Гц и трехфазное 380/415 В 50 Гц. Другие напряжения и частота под заказ. Проходит сертификацию АТЕХ.</li> <li>2. Вал из нержавеющей стали AISI 420</li> <li>3. Долгосрочные подшипники, рассчитанные с запасом</li> <li>4. Двойное мех. уплотнение в масляной камере + сальник С гидравлической стороны: карбид кремния/ карбид кремния Со стороны двигателя: графит/оксид алюминия</li> <li>5. Одноканальный открытым рабочим колесом</li> <li>6. Кабель H07RNF</li> <li>7. Теплозащита серийно в монофазном варианте</li> <li>8. Конденсатор до</li> <li>9. Поплавковый выключатель</li> <li>10. АЕТ-АЕМ пульт управления для трехфазного и монофазного варианта</li> <li>11. Окошко для контроля масла</li> <li>12. Контроль герметичности двигателя</li> </ol>         | <ol style="list-style-type: none"> <li>1. Moteur entièrement submergé étanche à l'eau Classe d'isolation H. Indice de protection IP 68 Vitesse de rotation : 2850 tr/mn. Bobinage mono : 1x 230V Fréquence : 50 Hz - tri : 3x380/415V Fréquence : 50 Hz Autres tensions et fréquences sur demande.</li> <li>2. Arbre moteur en acier AISI 420</li> <li>3. Roulements surdimensionnés lubrifiés à vie</li> <li>4. Double garniture mécanique en chambre huile + joint de la garniture. Garniture inférieur: Carbure de silicium/ Carbure de silicium. Garniture supérieure: graphite/alumine</li> <li>5. Monocanal roue ouverte</li> <li>6. Cable H07RNF</li> <li>7. Version monophasée: protection thermique de série</li> <li>8. Discontacteur avec condensateur</li> <li>9. Flotteur</li> <li>10. Coffret électrique de commande AET-AEM pour mono et tri version</li> <li>11. Inspection de l'huile</li> <li>12. Contrôle moteur étanche à l'eau</li> </ol> |
| <ol style="list-style-type: none"> <li>1. Motor completamente sumergido estanco Clase de aislamiento H. Protección IP-68. Velocidad: 2850 rpm/min-1. Voltaje: monofásico 50 Hz 1x230V trifásico 3 x 380/415V 50 Hz Otros voltajes y frecuencias a demanda.</li> <li>2. Eje Acero inoxidable AISI 420</li> <li>3. Cojinetes sobredimensionados lubricados indeinatamente</li> <li>4. Doble cierre mecánico en cámara de aceite + retén de nitrilo. Carburo de silicio/Carburo de silicio en el lado agua. Graito/Acero templado en el lado motor.</li> <li>5. Impulsor abierto de un canal</li> <li>6. Cable H07RNF</li> <li>7. Protector térmico en el bobinado, de rearme automático o manual para motores monofásicos.</li> <li>8. Espina condensador</li> <li>9. Interruptor de boya para funcionamiento automático</li> <li>10. AET-AEM Cuadros eléctricos para motores trifásicos o monofásicos</li> <li>11. Inspección aceite</li> <li>12. Control de motor estanco</li> </ol> | <ol style="list-style-type: none"> <li>1. Motor totalmente submerso estanco Isolamentos em classe H. Grau de proteção IP 68 rpm: 2850 Tensão: monofásica e trifásica 1x230V Hz-50 Hz 3x380/415V-50 Outras tensões e frequências a pedido.</li> <li>2. Eixo em aço AISI 420</li> <li>3. Chumaceiras sobredimensionados isentes de manutenção</li> <li>4. Duplo contenção na câmara óleo pi anel de contenção NBR contenção inferior: carboneto de silício contenção superior: graito/allumina</li> <li>5. De canal único impulsor aberto</li> <li>6. Cabo H07RNF</li> <li>7. Proteção térmica da série versão monofásica</li> <li>8. Spina capacitores</li> <li>9. Regulador de nível</li> <li>10. AET-AEM painel elétrico para versão monofásica e trifásica</li> <li>11. Inspeção de óleo</li> <li>12. Controle motor estanco</li> </ol>  |

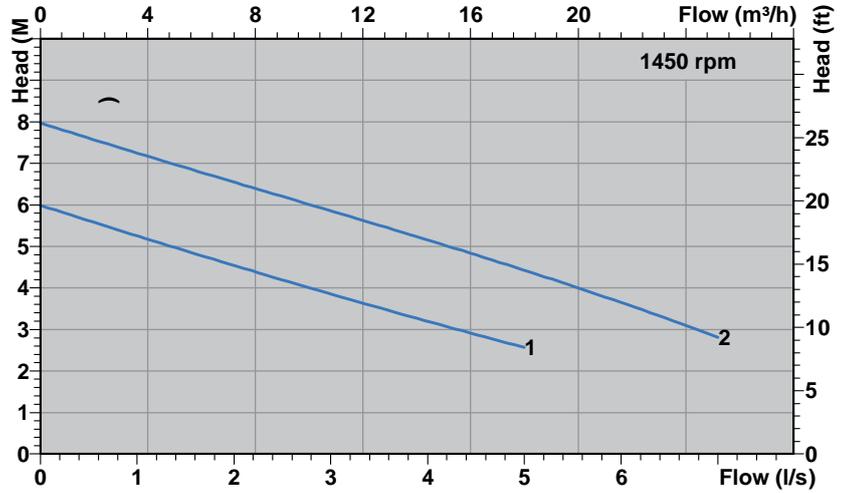
# MA - 4



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

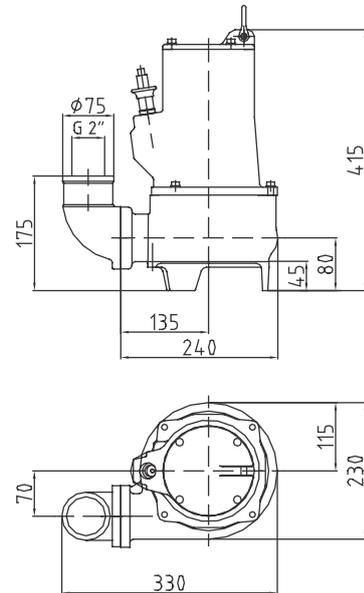
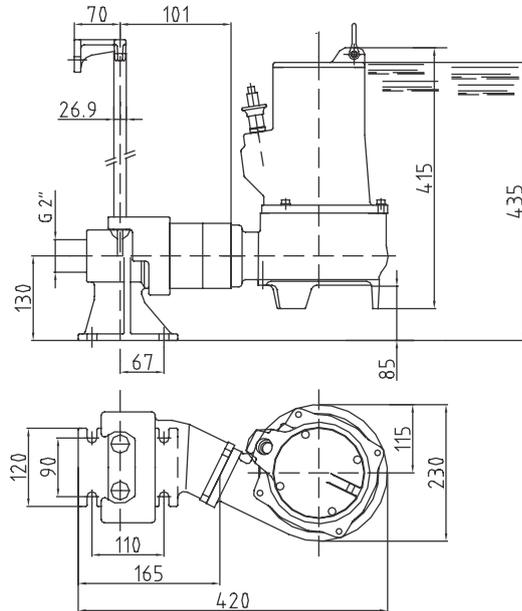
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA

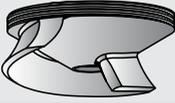


GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS											PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO							
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	DN	Ø mm	V	KG	l/sec m³/h	0	2	3	4	5	6	7
1	MA - CS06 - DT - 4	1	0.6	400	1.9	1450	50	40	50N	29	H	6	4.5	3.9	2.9			
2	MA - CS07 - DT - 4	1.1	0.75	400	2	1450	50	40	50N	30	m	8	6.4	6	5.2	4.4	3.7	2.9

\* On request

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS





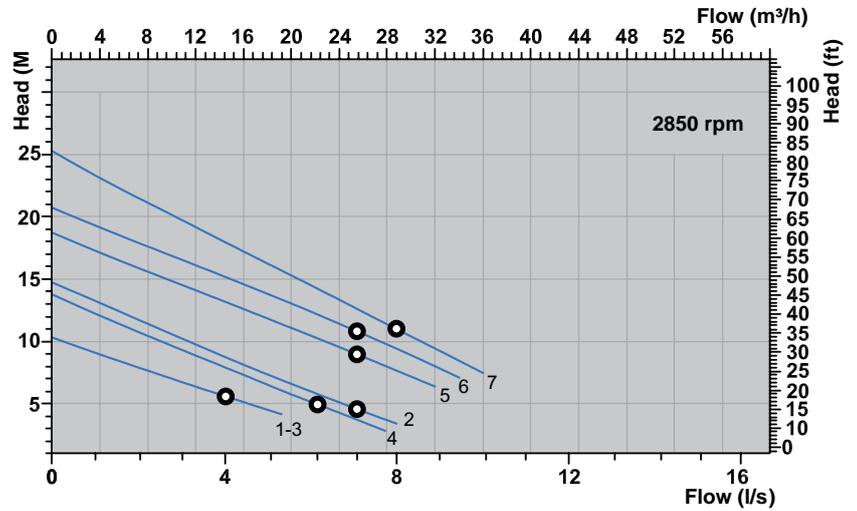
MA



PERFORMANCE CURVES  
CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
COURBE CARACTÉRISTIQUE

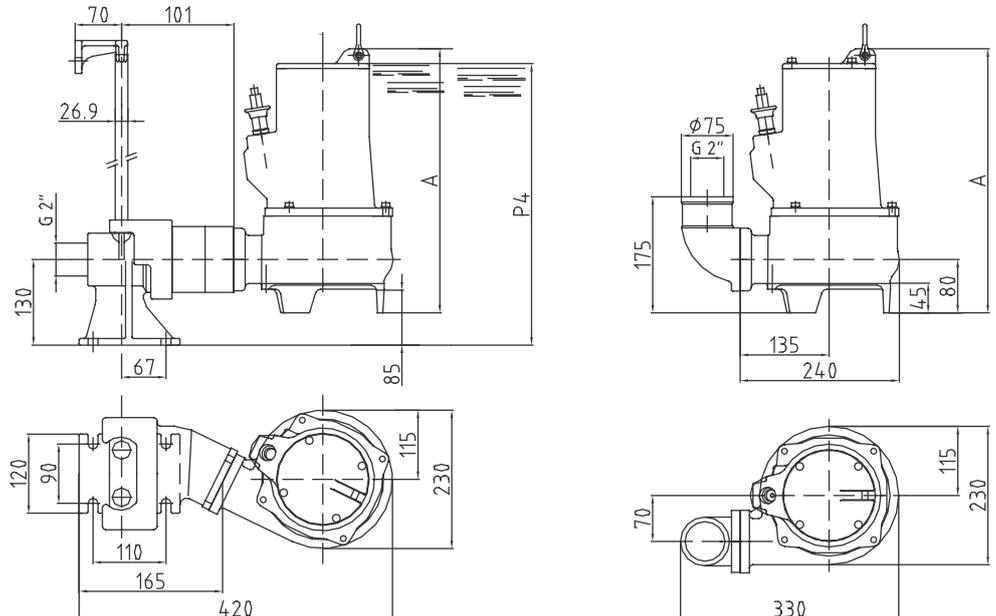
CURVA CARACTERÍSTICA  
CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS										PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO															
Nr	Modello - Type	P1 kW	P2 kW	Volt	µF	Amp	Giri rpm	DN	Ø mm	H m	l/sec	0	2	3	4	5	6	7	8	10	12	14	16		
											m³/h	0	7.2	10.8	14.4	18	21.6	25	20	36	43.2	50.4	57.6		
1	MA - CS11 - DT - RR	1.6	1.1	230	30	7.5	2850	50	40		34.1	25.6	22.6	19.0	15.4	11.1									
2	MA - CS16 - DT	2.2	1.6	230	40	9	2850	50	40		49.2	43.2	34.1	29.6	23.5	19.8		15.2	11.3						
3	MA - CS11 - DT - R	1.5	1.1	400		2.5	2850	50	40		34.1	25.6	22.6	19.0	15.4	11.1									
4	MA - CS11 - DT	1.5	1.1	400		3	2850	50	40		45.9	35.1	30.2	25.9	21.2	16.8		12.8	8.9						
5	MA - CS18 - DT	2.2	1.85	400		4.5	2850	50	40		62.3	52.5	48.5	43.5	39.4	34.4		29.5	25.6	15.2					
6	MA - CS22 - DT	2.8	2.2	400		5	2850	50	40		68.9	57.5	54.2	50.2	45.2	41.3		35.8	31.6	20.8	9.9				
7	MA - CS26 - DT	3.2	2.6	400		5.8	2850	50	40		83.6	72.2	64.9	59.0	54.5	47.5		41.5	36.5	24.4	12.2				

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACION - DIMENSÕES DE INSTALAÇÃO				
Nr	Modello - Type	A max	P4	V
1	MA - CS11 - DT - RR	416	420	50
2	MA - CS16 - DT	444	447	50
3	MA - CS11 - DT - R	417	421	50
4	MA - CS11 - DT	417	421	50
5	MA - CS18 - DT	417	421	50
6	MA - CS22 - DT	444	447	50
7	MA - CS26 - DT	444	447	50

DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO  
ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT  
DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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# AG Series



## Submersible agitators

### AG Series

0.8 - 22 kW

Flow

1.5 - 10 m

## Agitatori sommergibili

### Serie AG

0.8 - 22 kW

Portata

1.5 - 10 m

## погружные перемешиватели

### Серия AG

0.8 - 22 kW

производительность

1.5 - 10 m

## Agitateurs submersibles

### Série AG

0.8 - 22 kW

Débit

1.5 - 10 m

## Agitadores sumergibles

### Modelo AG

0.8 - 22 kW

Caudal

1.5 - 10 m

## Agitadores submersíveis

### Série AG

0.8 - 22 kW

Capacidade

1.5 - 10 m

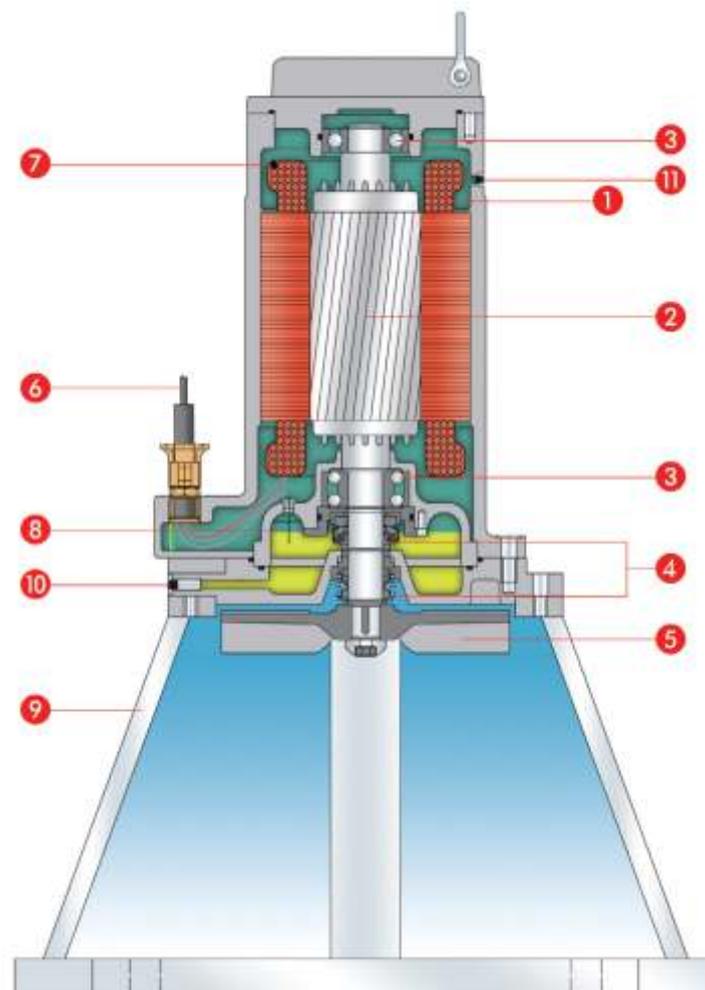




Technical features  
Caratteristiche costruttive

Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Fully submersible pressure tight electric motor  
Insulation class H. Protection degree IP 68  
Speed: 1450 rpm.  
Voltage: Three-phase 3x380/415V-50 Hz.  
Different voltage and frequency on request.
2. Shaft in stainless steel AISI 420
3. Heavy duty bearing for long life
4. Double mechanical seal in oil chamber  
Water side: silicon carbide/silicon carbide  
Motor side: graphite/alumina (curve 1-2) silicon carbide/  
silicon carbide (curve 3-6)
5. Cast iron vortex impeller with high efficiency
6. Cable H07RNF
7. Thermal protection embedded
8. Oil chamber probe
9. Foot ring
10. Oil inspection plug
11. Hole for the motor water tightness control

1. Motore completamente sommerso a tenuta stagna  
Classe di isolamento H. Grado di protezione IP 68  
Giri: 1450 al min<sup>-1</sup>  
Voltaggio: monofase trifase 3x380/415V-50 Hz  
Altri voltaggi e frequenze a richiesta.
2. Albero in acciaio AISI 420
3. Cuscinetti sovradimensionati lunga vita
4. Doppia tenuta meccanica in camera d'olio  
Tenuta inferiore: carburo di silicio/carburo di silicio  
Tenuta superiore: graite/allumina (curva 1-2)  
carburo di silicio/carburo di silicio (curva 3-6)
5. Girante Vortex in ghisa ad alto rendimento
6. Cavo H07RNF
7. Protezione termica incorporata
8. Sonda camera olio
9. Base di appoggio
10. Ispezione olio
11. Controllo tenuta stagna motore

# AG Series

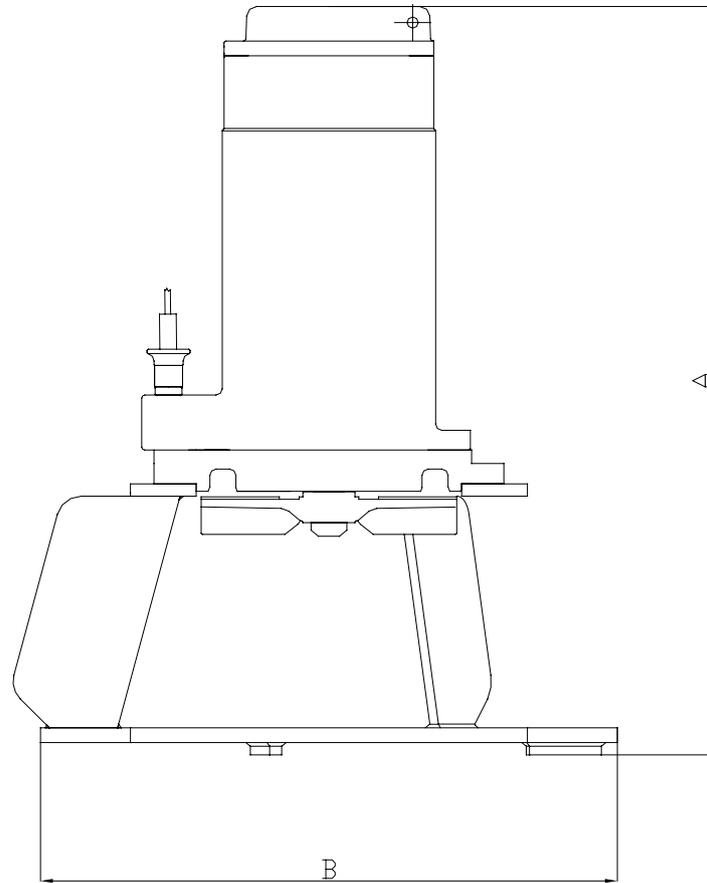


1. Полностью погружной двигатель с герметичным уплотнением. Класс изоляции H. Класс защиты IP68. Скорость вращения: 1450 об./мин. Напряжение: трехфазное 380/415 В 50 Гц. Прочие напряжения и частота под заказ.
2. Вал из нержавеющей стали AISI 420
3. Долгосрочные подшипники, рассчитанные с запасом
4. Двойное мех. уплотнение в масляной камере. С гидравлической стороны: карбид кремния/ карбид кремния  
Со стороны двигателя: графит/алюмин (кривая 1-2), карбид кремния/карбид кремния (кривая 3-6)
5. Рабочее колесо вихревого типа из чугуна с высоким КПД
6. Кабель H07RNF
7. Встроенная теплозащита
8. Датчик в масляной камере
9. Опора
10. Окошко для контроля масла
11. Контроль герметичности двигателя

1. Moteur entièrement submergé étanche à l'eau  
Classe d'isolation H. indice de protection IP 68  
Vitesse de rotation: 1450 tr/mn  
Bobinage tri: 3x380/415V  
Fréquence: 50 Hz  
Autres tensions et fréquences sur demande.
2. Arbre moteur en acier AISI 420
3. Roulements surdimensionnés lubrifiés à vie
4. Double garniture mécanique en chambre huile  
Garniture inférieure: Carbure de silicium/Carbure de silicium  
Garniture supérieure: graphite/alumine (curve 1-2) Carbure de silicium/Carbure de silicium (curve 3-6)
5. Roue vortex en fonte à haute performance
6. Cable H07RNF
7. Protection thermique intégré dans le bobinage
8. Détecteur d'infiltration dans la chambre à huile
9. Base d'appui
10. Inspection de l'huile
11. Contrôle moteur étanche à l'eau

1. Motor completamente sumergido estanco  
Clase de aislamiento H. Protección IP-68.  
Velocidad: 1450 rpm/min<sup>-1</sup>  
Voltaje: trifásico 3 x 380/415V 50 Hz  
Otros voltajes y frecuencias a demanda.
2. Eje Acero inoxidable AISI 420
3. Cojinetes sobredimensionados lubricados indeinatamente
4. Doble cierre mecánico en cámara de aceite  
Carburo de silicio/Carburo de silicio en el lado agua.  
Graito/Acero templado en el lado motor (curva 1-2)  
Carburo de silicio/Carburo de silicio (curva 3-6)
5. Impulsor vortex de hierro fundido alta eficiencia
6. Cable H07RNF
7. Protector térmico en el bobinado,.
8. Detector de infiltraciones en la cámara de aceite
9. Base
10. Inspección aceite
11. Control de motor estanco

1. Motor totalmente submerso estanque  
Isolamentos em classe H. Grau de proteção IP 68  
rpm: 1450  
Tensão: 3x380/415V-50 Hz  
Outras tensões e frequências a pedido.
2. Eixo em aço AISI 420
3. Chumaceiras sobredimensionados isentes de manutenção
4. Duplo contenção na câmara óleo  
Contenção inferior: carboneto de silício  
Contenção superior: graito/allumina (curva 1-2) carboneto de silício (curva 3-6)
5. Giratória a vórtice em ferro fundido alta eficiencia
6. Cabo H07RNF
7. Proteção térmica nas bobines
8. Detector da infiltração na câmara óleo
9. Base
10. Inspeção de óleo
11. Controle motor estanque



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS							PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ - PERFORMANCE - RENDIMENTO - EXECUÇÃO				
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	µF	Giri rpm	Campo di lavoro Application iield (m)	A mm	B mm	KG
A	AG-CV08-M-R	0.9	0.8	230	5	30	2850	1.5	325	300	23
B	AG-CV08 - T	0.9	0.8	400	2.1		2850	1.5	325	300	23
C	AG-CV11-M-R	1.5	1.1	230	7.1	30	2850	2	325	300	18
D	AG-CV11-T	1.4	1.1	400	3.2		2850	2	325	300	18
C	AG-CV08-M-4R	1	0.8	230	4	30	1450	1	375	300	27
E	AG-CV08-T-4	1	0.8	400	2		1450	1.5	375	300	27
F	AG-CV11-T-4	1.5	1.1	400	2.5		1450	2	406	300	28
1	AG-CV15-T-4	2.1	1.5	400	3.6		1450	3	406	465	47
2	AG-CV22-T-4	3	2.2	400	5		1450	4	406	465	39
3	AG-CV35-T-4	4.5	3.5	400	7.7		1450	5	560	465	57
4	AG-CV60-T-4	7.7	6	400 D	13.1		1450	7	670	465	85
5	AG-CV75-T-4	9.3	7.5	400 D	15.1		1450	8	704	465	95
6	AG-CV110-T-4	12.5	11	400 D	18		1450	9	800	510	141
7	AG-CV220-T-4	26.2	22	400 D	46		1450	10	900	850	250

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# MD-TP



## Submersible Mixers

### MDP-TPP Series

0.8 - 18.5 kW

Flow

320 - 6702 m<sup>3</sup>/h

## Miscelatori Sommersi

### Serie MDP-TPP

0.8 - 18.5 kW

Portata

320 - 6702 m<sup>3</sup>/h

## Погружные перемешиватели

### Серия MDP-TPP

0.8 - 18.5 kW

производительность

320 - 6702 m<sup>3</sup>/h

## Mélangeurs submersibles

### Série MDP-TPP

0.8 - 18.5 kW

Débit

320 - 6702 m<sup>3</sup>/h

## Mezcladores sumergibles

### Modelo MDP-TPP

0.8 - 18.5 kW

Caudal

320 - 6702 m<sup>3</sup>/h

## Misturadores submersíveis

### Série MDP-TPP

0.8 - 18.5 kW

Capacidade

320 - 6702 m<sup>3</sup>/h

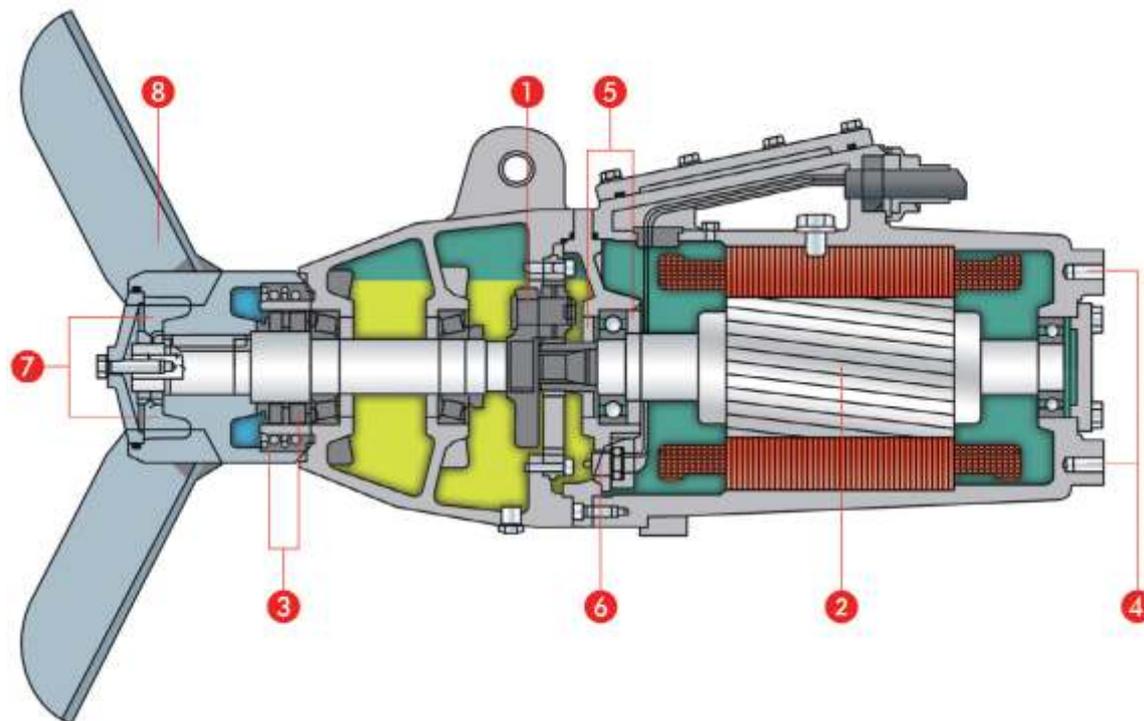




Caratteristiche costruttive  
Technical features

Технические характеристики  
Caractéristiques de construction

Características de construcción  
Características de construção



1. Long-life planetary transmission in big-volume oil chamber with inspection screw
2. Pressure tight sealed motor. IP68 protection class H (180 °C) with thermal sensors embedded in the motor winding for motor temperature monitoring.  
Optional: explosion proof according to ATEX Ex II 2 GExd
3. 2 grooved ball bearings for motor shaft  
2 roller bearings in oil chamber for propeller shaft (only for series TP)
4. Galvanic separation of motor housing and motor bracket prevents galvanic corrosion
5. Shaft seal motor housing: lip seal protection with mechanical seal
6. Moisture probe in oil chamber with electrode device
7. Propeller shaft seals.  
Two level sealing system for optimum protection:  
- 2 lip seals in the propeller hub rotate  
- silicon carbide mechanical seal on propeller shaft.  
Provides optimal protection against seeping luid
8. Hydraulically optimized self-cleaning propeller from 1.4306 stainless steel

1. Trasmissione planetaria lunga vita in camera olio sovradimensionata con viti di ispezione
2. Motore con tenuta a pressione. Classe di isolamento H (180 °C). Grado di protezione IP 68. Sensori termici nell'avvolgimento per monitoraggio della temperatura.  
Optional: motori antidelagranti secondo normativa ATEX Ex II 2 GExd
3. 2 cuscinetti a rulli per albero motore  
2 cuscinetti a rullo in camera olio per albero elica (solo per serie TP)
4. Separazione galvanica tra il corpo motore e il supporto per prevenire la corrosione galvanica
5. Doppio tenuta meccanica con para-olio di protezione sull'albero motore
6. Sonda umidità in camera olio con elettrodo
7. Doppio sistema di tenuta per massima protezione sull'albero elica:  
- 2 paraolio nell'elica corona ruotabile per sostituire l'anello di usura  
- tenuta meccanica in carburo di silicio sull'albero elica.  
Ottima protezione contro l'infiltrazione di liquidi
8. Elica auto-pulente (idraulicamente) in acciaio inossidabile 1.4306

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# MD-TP



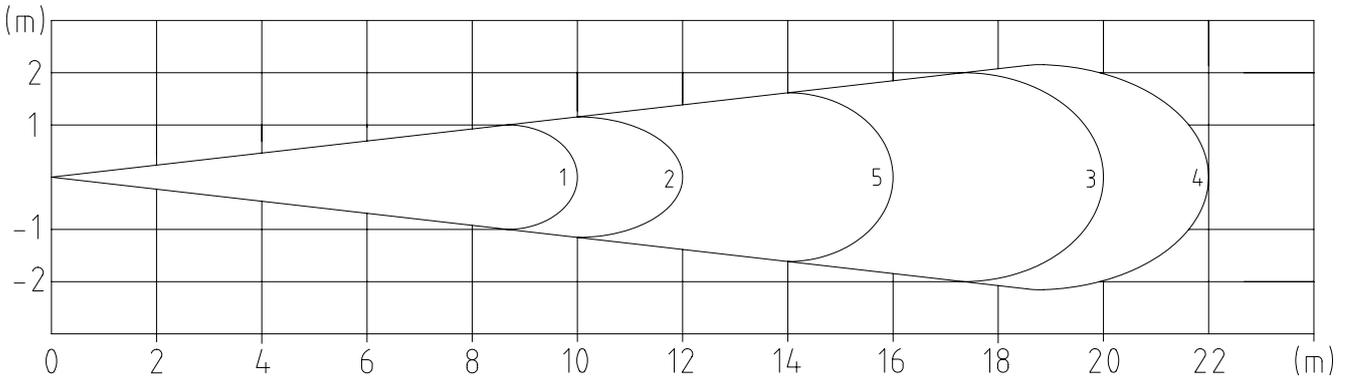
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| <ol style="list-style-type: none"> <li>1. Долгосрочная планетарная передача в масляной камере, рассчитанная с запасом с винтами для осмотра</li> <li>2. Двигатель с прижимным уплотнением. Класс изоляции H (180°C). Класс защиты IP68. Тепловые датчики в обмотке для контроля температуры. Опции: взрывозащищенные двигатели по стандарту ATEX Ex II 2 GEEExd.</li> <li>3. 2 роликоподшипника для вала двигателя<br/>2 роликоподшипника в масляной камере для вала винта (только для серии TP)</li> <li>4. Гальваническое разделение между корпусом двигателя и опорой для предотвращения гальванической коррозии</li> <li>5. Двойное мех. уплотнение с сальником на валу двигателя</li> <li>6. Датчик влажности в масляной камере с электродом</li> <li>7. Двойная система уплотнения для лучшей защиты на валу винта:<br/>2 сальника в винте венец поворотный для замены расходного кольца<br/>мех. уплотнение из карбида кремния на валу винта. Надежная защита от попадания жидкостей.</li> <li>8. Самоочищающийся (гидравлически) винт из нержавеющей стали 1.4306</li> </ol> | <ol style="list-style-type: none"> <li>1. Transmission planétaire longue vie in camera huile avec des viti d'inspection</li> <li>2. Moteur avec tenue à pression. Classe d'isolation H (180 °C). Indice de protection IP 68<br/>Capteurs thermiques dans l'enroulement pour monitoring de la température. Option: moteurs antidélagrants selon normative ATEX Ex II 2 GEEExd</li> <li>3. 2 roulements à rouleaux pour l'arbre<br/>2 roulements à rouleaux en chambre huile pour arbre hélice (seulement pour série TP)</li> <li>4. Séparation galvanique parmi le corps moteur et le supporte pour prévenir la corrosion galvanique</li> <li>5. Double garniture mécanique + joint de la garniture sur l'arbre moteur</li> <li>6. Sonde humidité en chambre huile avec électrode</li> <li>7. Double étanchéité système pour une protection maximale sur l'arbre hélice<br/>- 2 joint dans l'hélice pour substitution anneau usure<br/>- garniture mécanique en carbure de silicium sur l'arbre hélice<br/>Excellente protection contre l'infiltration de liquides</li> <li>8. Hélice autonettoyante (hydrauliquement) en acier inoxydable 1.4306</li> </ol> |
|--|---|
- 
- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Emisión planetaria larga vida in camera óleo con vides de inspección</li> <li>2. Motor con capacidad a presión. Clase de aislamiento H (180 °C). Protección IP-68. Sensores térmicos el bobinado para monitoreo de la temperatura Opcional: Motor segunda prueba de explosión ATEX Ex II 2 GEEExd</li> <li>3. 2 cojinetes rodillos para eje motor<br/>2 cojinetes rodillos en la cámara de aceite para eje hélice para serie TP (solamente)</li> <li>4. Aislamiento galvánico entre el cuerpo motor y del soporte para evitar la corrosión galvánica</li> <li>5. Doble cierre mecánico + retén de nitrilo sobre el eje motor</li> <li>6. Sensor de humedad en la cámara de aceite con</li> <li>7. Doble sistema de sellado para protección máxima del eje propulsor:<br/>- 2 anillo de sellado en propulsor para sustituir el anillo de desgaste<br/>- cierre mecánico en carburo de silicio sobre eje de hélice<br/>Protección óptima contra la iniltración de líquido</li> <li>8. Propulsor auto-limpieza (hidráulicamente) en acero inoxidable 1.4306</li> </ol> | <ol style="list-style-type: none"> <li>1. Emissão planetária vida longa in camera óleo com vides da inspeção</li> <li>2. Motor com capacidade à pressão. Isolamentos em classe H (180 °C). Grau de proteção IP 68 Sensores térmicos no envolvimento para o controlo da temperatura Opcional: motor segunda à prova de explosão ATEX Ex II 2 GEEExd</li> <li>3. - 2 chumaceira a rolos para eixo motor<br/>- 2 chumaceira a rolos na câmara óleo para eixo hélice (somente para série TP)</li> <li>4. Separação galvânica entre a carcaça do motor e de apoio para prevenir a corrosão galvânica</li> <li>5. Duplo contenção pi anel de contenção NBR em eixo motor</li> <li>6. Sensor de umidade na câmara de óleo com eletrodo</li> <li>7. Duplo sistema de contenção para máxima proteção de eixo hélice:<br/>- 2 anel de contenção em hélice nell'elica corona ruotabile para substituir o anel de desgaste<br/>- contenção em carboneto de silício em eixo hélice.<br/>Excelente protecção contra a penetração de líquidos</li> <li>8. Hélice lipeza automático (idraulicamente) em aço inoxidável 1.4306</li> </ol> |
|---|--|



**Series MDP** mixers with direct transmission  
**Serie MDP** miscelatori a trasmissione diretta  
**Серия MDP** Перемешиватели с прямой передачей  
**Série MDP** Agitateurs agitateurs à entraînement direct  
**Serie MDP** agitadores a emisión directa  
**Série MDP** Agitadores Agitadores em transmissão directa



PERFORMANCE CURVES      ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ      CURVA CARATTERISTICA  
 CURVE DI PRESTAZIONE      COURBE CARACTÉRISTIQUE      CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS								PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO	
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	Pale - Blades	Spinta assiale - Axial force N	Portata - Flow m³/h
1	MD - RP08 - T - 4	1.1	0.8	400	2.8	1450	3	152	320
2	MD - RP12 - T - 4	1.7	1.2	400	3.6	1450	3	210	372
3	MD - RP26 - T - 4	3.4	2.6	400	6.2	1450	2	404	1275
4	MD - RP34 - T - 4	4.3	3.4	400	7.6	1450	2	912	1558
5	MD - RP21 - T - 6*	3.1	2.1	400	5.7	960	2	206	590

\* On Request

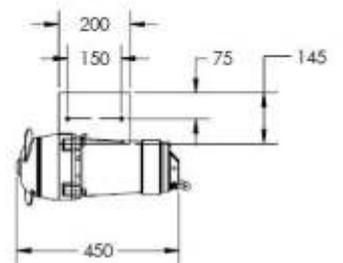
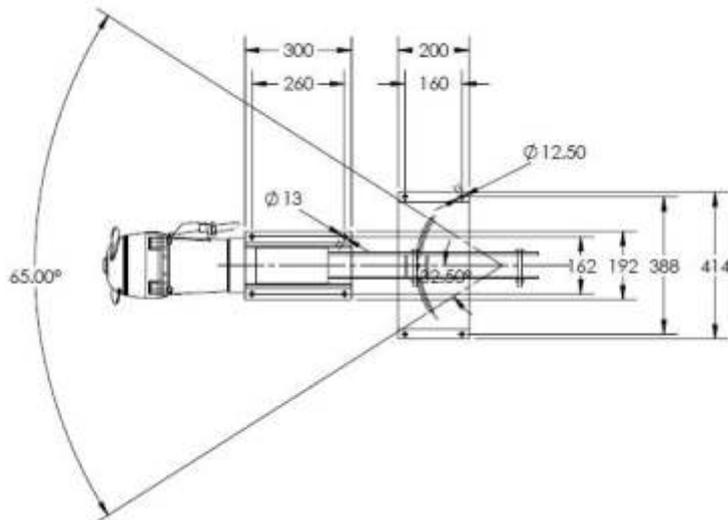
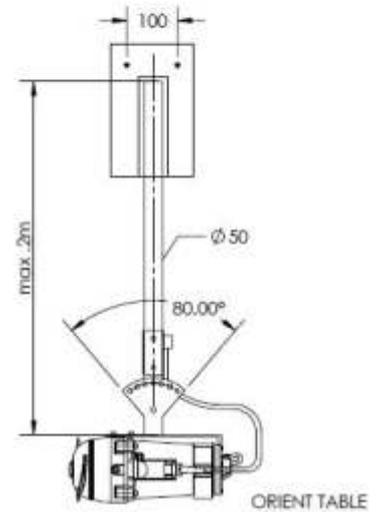
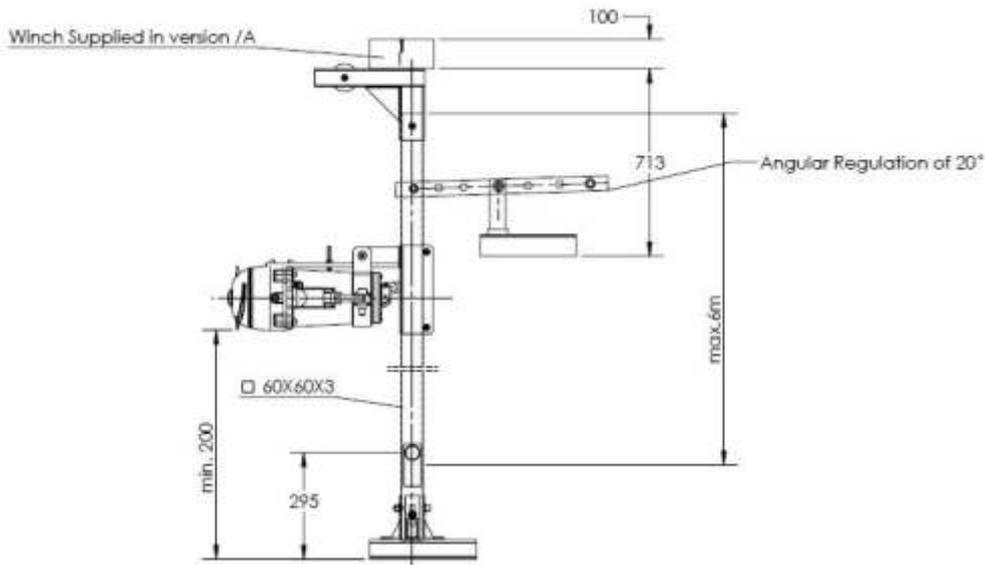
\* In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.



DIMENSION DRAWINGS  
DIMENSIONI D'INGOMBRO

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALI  
DIMENSÕES GLOBAIS





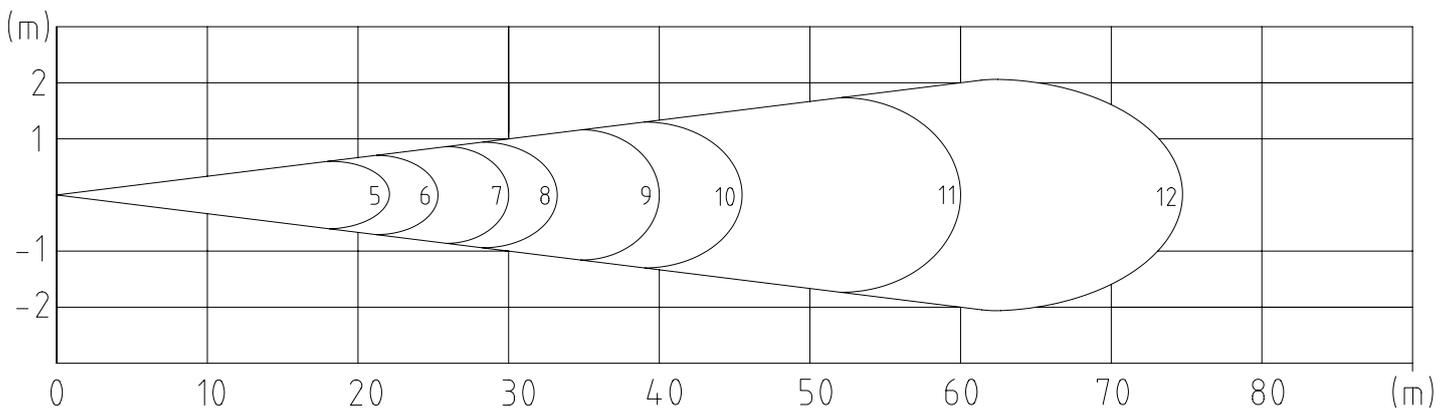
**Series TPP** Mixers with planetary transmission in oil chamber  
**Serie TPP** Miscelatori con riduttore di tipo planetario in camera d'olio  
**Серия TPP** Перемешиватели с планетарным редуктором в масляной камере  
**Série TPP** Mélangeurs avec reducteur de type planétaire in camera d'huile  
**Serie TPP** Mezcladores con reductor de tipo planetario in camera óleo  
**Série TPP** Agitadores em transmissão directa



PERFORMANCE CURVES  
 CURVE DI PRESTAZIONE

ХАРАКТЕРИСТИЧЕСКИЕ КРИВЫЕ  
 COURBE CARACTÉRISTIQUE

CURVA CARACTERÍSTICA  
 CURVA CARACTERÍSTICA



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОСНОВНЫЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICA GERAIS							PERFORMANCES - PRESTAZIONI - РАБОЧИЕ ПАРАМЕТРЫ PERFORMANCES - RENDIMENTO - EXECUÇÃO		
Nr	Modello - Type	P1 kW	P2 kW	Volt	Amp	Giri rpm	Pale - Blades	Spinta assiale - Axial force N	Portata - Flow m³/h
5	TP - RP30 - T - 4	3.5	3	400	7,2	250	3	498	1462
6	TP - RP40 - T - 4	4.7	4	400	7,5	250	3	742	2000
7	TP - RP55 - T - 4	6.4	5.5	400	10,8	250	3	800	2162
8	TP - RP75 - T - 4	8.7	7.5	400	15,6	250	3	1131	2821
9	TP - RP90 - T - 4	10.1	9	400	18	200	3	1265	3013
10	TP - RP110 - T - 4	12.5	11	400	23	200	3	1475	3286
11	TP - RP150 - T - 4	16.7	15	400	30	200	3	2859	5489
12	TP - RP185 - T - 4	21	18.5	400	36	200	3	3725	6702

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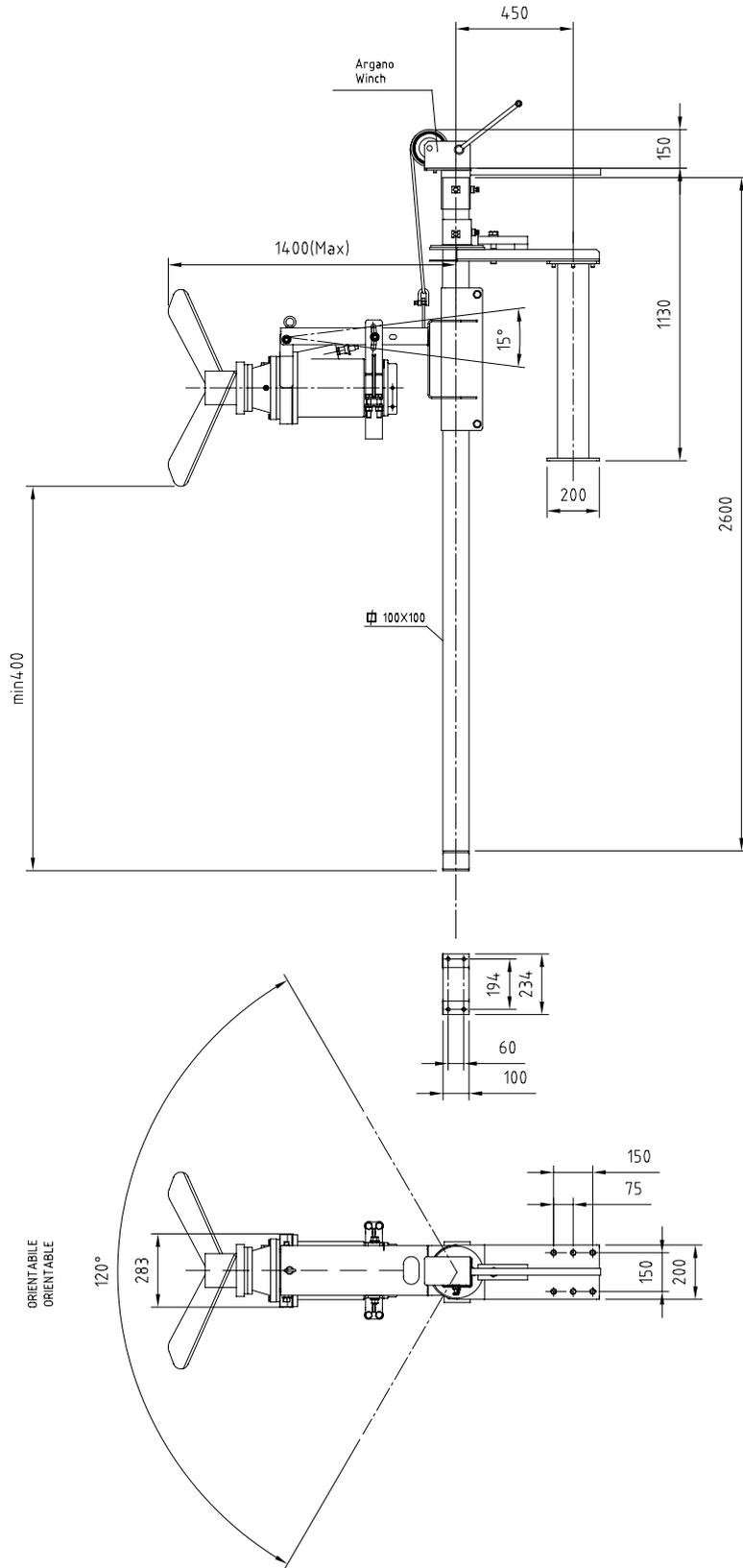
**MD**



DIMENSIONI D'INGOMBRO  
DIMENSION DRAWINGS

ГАБАРИТНЫЕ ЧЕРТЕЖИ  
DIMENSIONS D'ENCOMBREMENT

DIMENSIONES TOTALES  
DIMENSÕES GLOBAIS



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Accessories

Electrical and Hydraulic

Accessori

Accessori elettrici e idraulici

Аксессуары

Электрические аксессуары Гидравлические аксессуары

Accessoires

Accessoires électriques et hydrauliques

Accesorios

Accesorios hidráulicos y eléctricos

Acessórios

Acessórios eléctricos e hidráulicos

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

## Control panels - Quadri elettrici - Пульты Электрощит для Tableaus électriques - Cuadros eléctricos - Quadros elétricos



Control panel direct on line starting for 1 pump

Box in protected execution IP44 with hinge door, for wall fixing by outside auricles, comprehensive:

- General tripolaren switch.
- Tern of valves complete with relè.
- Telemotor protector of thermal relè.
- Transformer manual-off-auto.
- Singlephase transformer for the the power feeding of the circuits of command and signalling with protection relè.

- Lamp for presence net.
- Lamp for signal pump on.
- Lamp for signal relè on.
- 4 clamps for command with two loat-switches with electric contact.
- 2 clamps for auxiliary block command (for micro thermostats inserted in the motor windings).
- Clamps for three-phase line in-out: in out through rubber cable lock.
- Signalling of the dispersion of current in the oil chamber.

Control panel direct on line starting for 2 pumps

Box in protected execution IP44 with hinge door, for wall fixing by outside auricles, comprehensive:

- General tripolaren switch.
- Tern of valves complete with relè.
- Telemotor protector of thermal relè.
- Transformer manual-off-auto pump 1 pump 2.
- Singlephase transformer for the the power feeding of the circuits of command and signalling with protection relè.

- 2 lamps for signal pump 1 on - pump 2 on.
- 2 lamp for signal relè motor 1 on - motor 2 on.
- Electronic auxiliary relè for automatic alternance of pump.
- 8 clamps for loat-switches command.
- 4 clamps for auxiliary block command (for microthermostats inserted in the motor windings).
- Clamps for three-phase line in-out: in-out through rubber cable lock
- Signalling of the dispersion of current in the oil chamber.

Control panels star delta starting

In the overmentioned control panels substitution of telemotor protectors with the same number of:

- Tripolars contactors for line.
- Tripolars contactors for star.
- Tripolars contactors for delta complete with ther mic relè.

Options for all the control panels

Voltmeter with switch, ampermeter, counter-hours, optical and acustic alarm.

Microprocessor centrals for the management, the monitoring and the tele-control of pumping stations with 2 or more pumps.

Quadro elettrico avviamento diretto per 1 pompa	<p>Cassetta in esecuzione protetta IP 44 con portella a cerniera, per issaggio a parete a mezzo orecchiette esterne, comprendente:</p> <ul style="list-style-type: none"> <li>• Interruttore generale tripolare.</li> <li>• Terna di valvole completa di fusibili.</li> <li>• Telesalvatore tripolare di relè termico regolabile.</li> <li>• Commutatore manuale-disinserito-automatico.</li> <li>• Trasformatore monofase per l'alimentazione dei circuiti di comando e segnalazione, con fusibili di protezione.</li> <li>• Lampada presenza rete.</li> </ul>	<ul style="list-style-type: none"> <li>• Lampada di segnalazione pompa inserita.</li> <li>• Lampada di segnalazione intervento relè termico.</li> <li>• 4 morsetti per comando con due galleggianti con contatto elettrico.</li> <li>• 2 morsetti per comando ausiliario di blocco (per microtermostati inseriti nell'avvolgimento).</li> <li>• Morsetti per entrata-uscita linea trifase; entrate-uscite a mezzo passacavi in gomma.</li> <li>• Segnalazione della dispersione di corrente nella camera di tenuta olio.</li> </ul>
Quadro elettrico avviamento diretto per 2 pompe	<p>Cassetta in esecuzione protetta con portella a cerniera, per issaggio a parete a mezzo orecchiette esterne, comprendente:</p> <ul style="list-style-type: none"> <li>• Interruttore generale tripolare.</li> <li>• Terne di valvole complete di fusibili.</li> <li>• 2 telesalvatori tripolari completi di relè termici regolabili.</li> <li>• Commutatore a più posizioni per comando: manuale-disinserito-automatico pompa 1 e pompa 2.</li> <li>• Trasformatore monofase per l'alimentazione dei circuiti di comando e segnalazione, con valvole e fusibili di protezione.</li> </ul>	<ul style="list-style-type: none"> <li>• 2 lampade di segnalazione "inserita pompa 1 - inserita pompa 2".</li> <li>• 2 lampade di segnalazione intervento termico "motore 1 - motore 2".</li> <li>• Relè ausiliario elettronico per alternanza automatica pompa.</li> <li>• 8 morsetti per comando galleggianti.</li> <li>• 4 morsetti per comando ausiliario di blocco (per microtermostati inseriti nell'avvolgimento).</li> <li>• Morsetti per entrata-uscita linea trifase; entrate-uscite a mezzo passacavi in gomma.</li> <li>• Segnalazione della dispersione di corrente nella camera di tenuta olio.</li> </ul>
Quadri elettrici avviamento stella/triangolo	<p>Nei quadri sopra elencati sostituzione dei telesalvatori motori con uno stesso numero di:</p>	<ul style="list-style-type: none"> <li>• Contattori tripolari per linea.</li> <li>• Contattori tripolari per stella.</li> <li>• Contattori tripolari per triangolo completi di relè termici regolabili.</li> </ul>
Opzione per tutti i quadri	<p>Voltmetro con commutatore, amperometro, contatore, allarme ottico/acustico.</p>	<ul style="list-style-type: none"> <li>• Centraline a microprocessore per la gestione, il monitoraggio e il telecontrollo di impianti di 2 o più elettropompe.</li> </ul>

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

Электрощит для прямого пуска 1 насоса	<p>Коробка в исполнении IP 44 с шарнирной дверцей, для крепления на стене с помощью наружных скоб. Конструкция:</p> <ul style="list-style-type: none"> <li>• Трехполюсный главный выключатель.</li> <li>• Блок клапанов с плавкими предохранителями</li> <li>• Дистанц. авар. выключатель двигателя с регулируемым термореле</li> <li>• Переключатель ручной-выкл.-автоматич.</li> <li>• Монофазный трансформатор для питания контуров управления и сигнализации, с защитными предохранителями</li> <li>• Сигнальная лампочка питания</li> </ul>	<ul style="list-style-type: none"> <li>• Сигнальная лампочка “насос включен”</li> <li>• Сигнальная лампочка срабатывания термореле</li> <li>• 4 клеммы для управления с 2 поплавками с электрическим контактом</li> <li>• 2 клеммы для сигнала дополнительной блокировки (для микротермостатов в обмотке)</li> <li>• Клеммы для входа-выхода трехфазной линии; входы-выходы с резиновыми вставками для -защиты кабелей.</li> <li>• Сигнализация об утечке тока в масляной камере</li> </ul>
Электрощит для прямого пуска 2 насосов	<p>Коробка в защищенном исполнении с шарнирной дверцей, для крепления на стене с помощью наружных скоб. Конструкция:</p> <ul style="list-style-type: none"> <li>• Трехполюсный главный выключатель.</li> <li>• Блок клапанов с плавкими предохранителями</li> <li>• 2 дистанц. авар. выключателя двигателей с регулируемыми термореле</li> <li>• Переключатель управления: ручной-выкл.-автоматич. насос 1 и насос 2</li> <li>• Монофазный трансформатор для питания контуров управления и сигнализации, с защитными предохранителями и клапанами</li> </ul>	<ul style="list-style-type: none"> <li>• 2 сигнальных лампочки “насос 1 включен - насос 2 включен”</li> <li>• 2 сигнальных лампочки срабатывания термореле “двигателя 1 - двигателя 2”</li> <li>• Вспомогательной электронное реле для автоматической смены рабочего насоса</li> <li>• 8 клемм для управления поплавками</li> <li>• 4 клеммы для сигнала дополнительной блокировки (для микротермостатов в обмотке)</li> <li>• Клеммы для входа-выхода трехфазной линии; входы-выходы с резиновыми вставками для защиты кабелей.</li> <li>• Сигнализация об утечке тока в масляной камере</li> </ul>
Электрощит для пуска звезда/треугольник	<p>В вышеуказанных электрощитах замена дистанц. авар. выключателя двигателей на такое же количество:</p>	<ul style="list-style-type: none"> <li>• трехполюсных контакторов для линии</li> <li>• трехполюсных контакторов для звездочки</li> <li>• трехполюсных контакторов для треугольника, оснащенных регулируемым термореле.</li> </ul>
Опция для всех пультов	<p>Вольтметр с переключателем, амперметром, счетчиком часов, визуальной/звуковой сигнализацией.</p>	<p>Микропроцессорные блоки для управления, наблюдения и дистанционного управления системами с 2 и более электронасосами.</p>

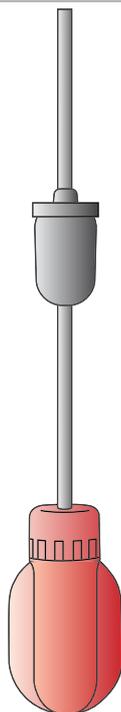
Аппараты изготовлены согласно требований действующих норм и служат для управления и защиты 1 или нескольких насосов. Специальные исполнения под заказ.

Tableau électrique démarrage direct pour 1 pompe	<p>Enveloppe en matériaux métallique IP 44 avec porte à charnière pour fixation à paroi composé de:</p> <ul style="list-style-type: none"> <li>• Tripolaire commutateur</li> <li>• Ensemble complet de trois vannes de fusible</li> <li>• Protection de surcharge par des relais thermiques changer ON- OFF- AUTO</li> <li>• Transformateur monophasé pour alimentation des circuits de commande et signalization avec fusible de protection</li> <li>• Lampe puissance</li> </ul>	<ul style="list-style-type: none"> <li>• Lampe de signalation pompe ON</li> <li>• Lampe d'intervention relais thermiques</li> <li>• 4 terminaux pour le contrôle avec 2 lotteurs</li> <li>• 2 terminaux pour comande auxiliaire avec témoin de blocage</li> <li>• Terminaux IN - OUT triphasé</li> <li>• Dispositif relevage dispersion de puissance dans la chambre d'huile</li> </ul>
Tableau électrique démarrage direct pour 2 pompes	<p>Enveloppe en matériaux métallique avec porte à charnière pour fixation à paroi composé de:</p> <ul style="list-style-type: none"> <li>• Tripolaire commutateur</li> <li>• Ensemble complete de trois vannes de fusible</li> <li>• 2 protections de surcharge par des relais thermiques</li> <li>• Changer ON- OFF- AUTO pour 2 pompe</li> <li>• Transformateur mono-phasé pour alimentation des circuits de commande et signalization avec fusible de protection</li> </ul>	<ul style="list-style-type: none"> <li>• 2 lampes de signalation " pompe 1 ON" et "pompe 2 ON"</li> <li>• Lampe d'intervention relais thermiques "moteur 1 and moteur 2"</li> <li>• Relais auxiliaire pour alternance automatique des pompe</li> <li>• 8 terminaux pour le commande des lotteurs</li> <li>• 4 terminaux pour comande auxiliaire avec témoin de blocage</li> <li>• Terminaux IN - OUT triphasé</li> <li>• Dispositif relevage dispersion de puissance dans la chambre d'huile</li> </ul>
Tableau électrique démarrage étoile-triangle	<p>dans les tableaux électriques ci-dessus remplace ment de relais moteur avec le même nombre de:</p>	<ul style="list-style-type: none"> <li>• Contacteur tripolare pour démarrage direct</li> <li>• Contacteur tripolare pour démarrage étoile</li> <li>• Contacteur tripolare pour démarrage triangle avec relais thermiques</li> </ul>
Options pour tous les tableau électrique	<p>Voltmètre avec sélecteur , ampèremètre, compteur d'heures, alarme acoustique et visual</p>	<p>Unités de commande par microprocesseur pour le comande des 2 o plus pompes</p>
Cuadros eléctricos arranque directo para 1 bomba	<p>armario metálico IP 44 para ijar a la pared consti- tuido por:</p> <ul style="list-style-type: none"> <li>• Interruptor general</li> <li>• Conjunto de tres válvulas con fusibles</li> <li>• Relé electrónico de sobrecarga</li> <li>• Selector ON-o-AUT - OFF</li> <li>• Transformador monofásico para alimentación de circuitos de control con fusible de protección</li> </ul>	<p>Lámpara de señalización bomba insertada                  Lámpara de señalización Relé electrónico de sobrecarga</p> <ul style="list-style-type: none"> <li>• 4 terminales de control con 2 reguladores de nivel</li> <li>• 2 terminales para los comandos auxiliares de bloque</li> <li>• Terminales IN - OUT trifásico</li> <li>• Dispositivo aviso fuga corrientes en la cámara de aceite</li> </ul>
Cuadros eléctricos arranque directo para 2 bombas	<p>armario metálico IP 44 para ijar a la pared consti- tuido por:</p> <ul style="list-style-type: none"> <li>• Interruptor general</li> <li>• Conjunto de tres válvulas con fusibles</li> <li>• 2 Relé electrónico de sobrecarga</li> <li>• Selector ON-o-AUT - OFF para bomba 1 e bomba 2</li> <li>• Transformador monofásico para alimentación de circuitos de control con fusible de protección</li> </ul>	<ul style="list-style-type: none"> <li>• 2 Lámparas de señalización bomba 1 y bomba 2</li> <li>• Lámpara de señalización Relé electrónico de sobrecarga motor 1 y motor 2</li> <li>• 8 terminales de control para reguladores de nivel</li> <li>• 4 terminales para los comandos auxiliares de bloque</li> <li>• Terminales IN - OUT trifásico</li> <li>• Dispositivo aviso fuga corrientes en la cámara de aceite</li> </ul>
Cuadros eléctricos arranque ΔΔ	<p>en los cuadros eléctricos mencionado sustitución de los relé con el mismo número de:</p>	<ul style="list-style-type: none"> <li>• Contador para arranque directo</li> <li>• Contador para arranque estrella</li> <li>• Contador para arranque triángulo con relé termico</li> </ul>
opciones para todos Cuadros eléctricos	<p>Voltmetro con selector fase, amperometro, contador horas, alarma acústico y visivo</p>	<p>Controladores con microprocesador para el control de 2 o más bombas</p>

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
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Cuadros eléctricos acendimento direto para 1 bomba	Invólucro metálico IP 44 para ixação à parede consistindo de: <ul style="list-style-type: none"> <li>• Botão geral</li> <li>• Conjuntos de válvulas completo com fusíveis</li> <li>• Alarme em caso de intervenção proteção sobre carga</li> <li>• Botão ON –OFF- MAN</li> <li>• Transformadores monofásicos para alimentação do circuito de controle de abastecimento com fusíveis proteção</li> </ul>	<ul style="list-style-type: none"> <li>• Lâmpada de sinalização bomba inserida</li> <li>• Lâmpada de sinalização intervenção relé termicos</li> <li>• 4 terminais para controle com 2 reguladores de nível</li> <li>• 4 terminais comandos auxiliares de bloque</li> <li>• Terminais IN - OUT trifásica</li> <li>• Dispositivo detecção fuga de corrente na câmara de óleo</li> </ul>
Cuadros eléctricos acendimento direto para 2 bombas	Invólucro metálico IP 44 para ixação à parede consistindo de: <ul style="list-style-type: none"> <li>• Botão geral</li> <li>• Conjuntos de válvulas completo com fusíveis</li> <li>• 2 Alarmes em caso de intervenção proteção sobre carga</li> <li>• Botão ON –OFF- MAN para bomba 1 e bomba 2</li> <li>• Transformadores monofásicos para alimentação do circuito de controle de abastecimento com fusíveis proteção</li> </ul>	<ul style="list-style-type: none"> <li>• 2 lâmpadas de sinalização bomba 1 e bomba 2 inserida</li> <li>• 2 lâmpadas de sinalização intervenção relé termicos motor 1e motor 2</li> <li>• 8 terminais para controle reguladores de níveis</li> <li>• 4 terminais comandos auxiliares de bloque</li> <li>• Terminais IN - OUT trifásica</li> <li>• Dispositivo detecção fuga de corrente na câmara de óleo</li> </ul>
Cuadros eléctricos acendimento λΔ	nas quadros eléctricos acima substituição de alarmes com o mesmo número de	contador para acendimento direto contador para acendimento estrela contador para accendimento triângulo
opções para todos quadros eléctricos	Voltímetro, amperímetro, medidor de horas, alarme acústico y visivo	Controladores come microprocessador para o controlo de 2 ou mais bombas



## Galleggianti - Float regulators - Поплавковый выключатель Régulateurs de niveau - Reguladores de nivel - Reguladores de níveis

GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRAL - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS	
Type - Modelo - Модель Type - Tipo - Типо	Cable length - Lunghezza cavo - Длина кабеля Longueur câbles - Longitud cables - Comprimento do cabo
CFR - 05	0.5m
CFR - 50	5m
CFR - 100	10m
CFR - 150	15m
CFR - 200	20m

Other lengths available on request - Altre lunghezze disponibili a richiesta - Другая длина возможна под заказ - Autres longueurs disponibles sur demande - Otras longitudes disponibles bajo petición - Outros comprimentos disponíveis sob consulta

Float switch water resistant up to 100 m deep with microswitch electric contacts/switch.

### Use

Level control for filling and emptying tanks or cisterns. It can be installed directly on the submerged pumps because of its small dimensions.

**Max. working pressure:** 10 bar.

**Max. working temperature:** 55 °C.

**Available cables:** pvc, neoprene, silicon cable, cable for diesel oil.

**Optional:** balance weight.

Поплавковый регулятор уровня герметичный до глубины 100 м с электрическими контактами микровыключателем/выключателем.

### Применение

Контроль уровня для заполнения или опорожнения баков или цистерн; благодаря своей компактности, поплавков может устанавливаться напрямую на скважинный насос.

**Максимальное рабочее давление:** 10 бар.

**Максимальная рабочая температура:** 55 °C.

**Возможные кабеля:** ПВХ, неопрен, дизельный, силикон.

**Опции:** противовес.

Regulador del nivel con boya hermetic hasta 100 m de profundidad con contactos eléctricos con micro interruptor/comutador.

### Aplicaciones

Control llano para llenar y vaciar tacques o la cisterna. Gracias a su pequeño tamaño se puede montar directamente en las bombas sumergibles.

**Presión máx. de funcionamiento:** 10 bar.

**Temperatura máx.:** 55 °C.

**Cables disponibles:** PVC, neopreno, silicona

**Opcional:** contrapeso

Regolatore di livello a galleggiante stagno ino a 100 m di profondità con contatti elettrici a microinterruttore/interruttore.

### Impiego

Controllo di livello per riempimento o svuotamento di serbatoi o cisterne; grazie alle sue ridotte dimensioni può essere montato direttamente sulle pompe sommerse.

**Max. pressione di lavoro:** 10 bar.

**Max. temperatura di lavoro:** 55 °C.

**Cavi disponibili:** pvc, neoprene, cavo gasolio, silicone.

**Optional:** contrappeso.

Régulateur de niveau à loteur hermétique jusqu'à 100 m de profondeur avec contacts électrique à micro interrupteur/commutateur.

### Applications

Commande de niveau pour remplir et vider les réservoirs. Merci à sa petite taille

peut être monté directement sur les pompes submersibles

**Résistance à la pression d'immersion:** 10 bar.

**Température max:** 55 °C.

**Câbles disponibles:** PVC, néoprène silicone

**Optional:** contrepoids

Regulador de nível com bóia estanques até 100 m di profundidade com contactos eléctricos a micro-interruptores/comutadores.

### Usos

Controlo do nível para enchimento ou asvaziamento de reser vatórios ou cisternas. Graças ao seu tamanho compacto pode ser montado diretamente sobre as bombas submersíveis.

**Pressão máx. de serviço:** 10 bar

**Temperatura máx de serviço:** 55 °C

**Cabos disponíveis:** PVC, neoprene, silicone

**Opzional:** contrapeso

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

## Cables - Cavi - Кабеля - Câbles - Cables - Cabos

### H07RN-F FLEXTREME

The constructive cable features ensure an excellent estate to the bad weather, garlics oil and greases, to the mechanical and thermal solicitations. These cables can be used for permanent immersions up to 10 bar of pressure.

The Flexreme is usable up to 85 °C for fixed installations up to 1000 V of nominal tension.

Take off in accordance with to the essential BT73/23 directive requirements and 93/68 we reference rule CEI 20-19 (CENELEC HD 22-4-53).

### H07RN-F FLEXTREME

Конструкционные характеристики кабеля обеспечивают отличную устойчивость к воздействию атмосферных осадков, масел и консистентных смазок, механическим и тепловым воздействиям. Кабеля могут работать в постоянно погруженном режиме до давления 10 бар.

Кабеля этой модели могут использоваться при температурах до 85 °C при стационарной установке с номинальным напряжением до 1000 В.

Изделие отвечает существующим требованиям Директив BT73/23 и 93/68 CE, используемый стандарт - CEI 20-19 CEI 20-19 (CENELEC HD 22-4-53).

### H07RN-F FLEXTREME

Las características constructivas del cable aseguran una excelente resistencia a la intemperie, aceites y grasas, el estrés mecánico y propiedades térmicas. Estos cables se pueden utilizar para inmersiones permanentes hasta 10 bares de presión. El Flexreme es utilizable hasta 85 °C para las instalaciones ijas hasta 1000 V de voltaje nominal.

Cable cumple con los requisitos esenciales de las directivas BT73/23 y 93/68 CE, Normas de referencia CEI 20-19 (CENELEC HD 22/04/53).

### H07RN-F FLEXTREME

Le caratteristiche costruttive del cavo garantiscono un'eccellente tenuta alle intemperie, agli olii e grassi, alle sollecitazioni meccaniche e termiche. Questi cavi possono essere utilizzati per immersioni permanenti ino a 10 bar di pressione.

Il lextreme è utilizzabile ino a 85 °C per installazioni isse ino a 1000 V di tensione nominale.

Cavo conforme ai requisiti essenziali delle direttive BT73/23 e 93/68 CE norma di riferimento CEI 20-19 (CENELEC HD 22-4-53).

### H07RN-F FLEXTREME

Les caractéristiques constructives du câble offrent une excellente résistance à la météo, les huiles et les graisses, le stress mécanique et les propriétés thermiques. Ces câbles peuvent être utilisés pour des plongées permanentes jusqu'à la pression de 10 bar. Le Flexreme est utilisable jusqu'à 85 °C pour les installations ixes jusqu'à 1000 V de tension nominale.

Câble qui répond aux exigences essentielles des directives BT73/23 et 93/68 CE de référence la norme CEI 20-19 (CENELEC HD 22/04/53).

### H07RN-F FLEXTREME

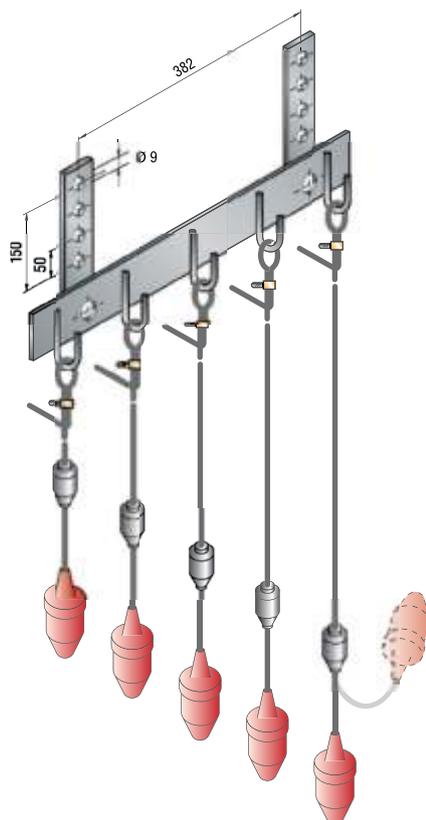
As características construtivas do cabo proporcionar excelente resistência ao tempo, óleos e graxas, estresse mecânico e as propriedades térmicas. Estes cabos podem ser utilizados para o mergulho permanente até a 10 bar de pressão.

O Flexreme é utilizável até 85 °C para instalações ixas até 1000 V de tensão nominal.

Cabo que cumpre os requisitos essenciais das directivas BT73/23 e 93/68 CE de referência padrão CEI 20-19 (CENELEC HD 04/22/53).

SECTION CABLES - SEZIONE CAVI - СЕЧЕНИЕ КАБЕЛЕЙ - SECTION DU CÂBLE - SECCIÓN DEL CABLE - SECÇÃO DO CABO											
3G 1	4G 1	4G 1.5	4G 2.5	4G 4	4G 10	4G 16	7G 1.5	7G 2.5	10G 1.5	10G 2.5	12G 2.5

## Holder Flasks - Staffe - Планки - Supports - Suportes - Suportes



Staffe portaregolatori disponibili con 3 e 5 ganci.

Планки для подвешивания регуляторов с 3 и 5 крюками

Suportes de reguladores de nivel están disponibles con 3 e 5 ganchos.

Float regulators holder lask available with 3 and 5 hooks.

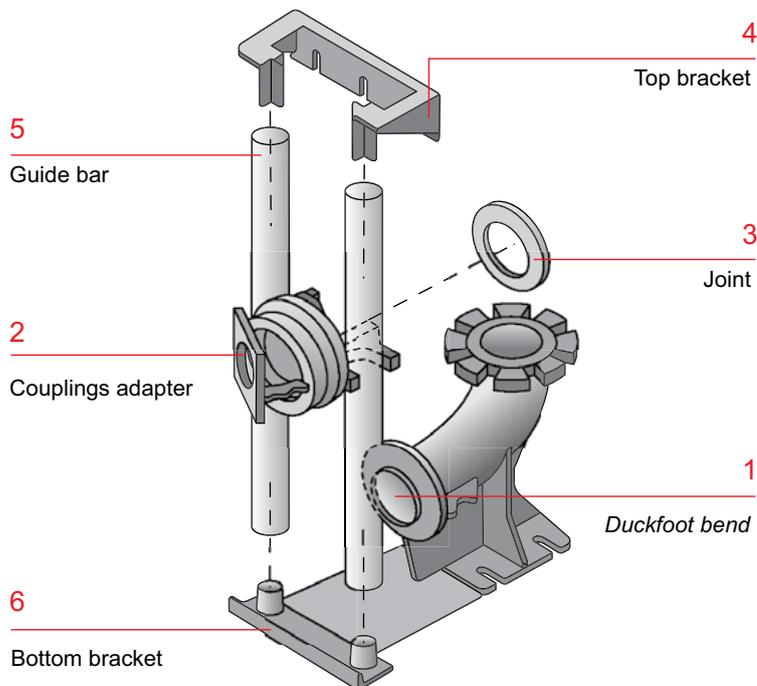
Supports des régulateurs de niveau disponibles avec 3 et 5 crochets.

Suportes de reguladores de níveis disponíveis com 3 e 5 ganchos

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

## Low Level Coupling - Piedi di Accoppiamento - Соединительные Ножки Pieds d'assise - Pie de Acoplamiento - Pés de Acoplamento



Type - Modello Model - Modèle Modelo - Modelo	Dimensions - Dimensioni -Размеры - Dimensions Dimensiones - Dimensões	Guide rails dimensions - Dimensioni tubi guida - Размеры направ. Труб Dimensions Tube guide - Dimensiones tubos guía - Dimensões tubos guias
GR40/2	1" 1/2 - 2"	Ø 26.9 mm
GR50N	2" - 2"	Ø 26.9 mm
GR50	DN 50/50	Ø 26.9 mm
GR65	DN 65/65	Ø 42.4 x 3.2 mm
GR80	DN 80/80	Ø 60.3 x 3.65 mm
GR80N	DN 80 PN10	Ø 60.3 x 3.65 mm
GR100	DN 100/100	Ø 60.3 x 3.65 mm
GR100N	DN 100/100	Ø 60.3 x 3.65 mm
GR150/150K	DN 150/150	Ø 60.3 x 3.65 mm
GR200/150K	DN 200/150	Ø 2" 1/2
GR200/200K	DN 200/200	Ø 2" 1/2
GR250/200K	DN 250/200	Ø 2" 1/2
GR250/250K	DN 250/250	Ø 2" 1/2
GR300/250K	DN 300/250	Ø 2" 1/2
GR300/300K	DN 300/300	Ø 2" 1/2
GR400/350K	DN 400/350	Ø 3"
GR400/400K	DN 400/400	Ø 3"

Speedy connection of the pump to inlet piping complete with elbow, pump adapter, brackets for guide rails (rails except), gaskets and screws.

### Materials

Foot, brackets: cast iron GS400-12 UN14544  
Adapter: spheroidal cast iron GS400-12 UNI 4544.  
Other materials on request.

Для быстрого соединения насоса с напорной трубой.  
Комплектация: колено, ползун, скобы для направляющих труб (трубы не включены в комплект), уплотнения и винты.

### Материалы

Ножка, скобы для труб: чугун GS400-12 UN14544  
Ползун: сфероидальный чугун GS400-12 UNI 4544.  
Другие материалы под заказ.

Pied d'assise rapide de la pompe au le tuyau de refoulement avec curve, adaptateur, support pour les tubes de guidage (sauf pour les tubes de guidage), joints et les vis.

### Matériaux

Pied, supportES pour les tubes: fonte GS400-12 UN14544  
adaptateur: fonte sphéroidal GS400-12 UNI 4544.  
Autres matériaux sur demande

Accoppiamento rapido dalla pompa alla tubazione di mandata completo di curva, slitta, staffe fermatubi per tubi guida (tubi guida esclusi), guarnizioni e viteria.

### Materiali

Piede, staffe fermatubi: ghisa GS400-12 UN14544.  
Slitta: ghisa sferoidale GS400-12 UNI 4544.  
Altri materiali su richiesta.

Pied d'assise rapide de la pompe au le tuyau de refoulement avec curve, adaptateur, support pour les tubes de guidage (sauf pour les tubes de guidage), joints et les vis.

### Matériaux

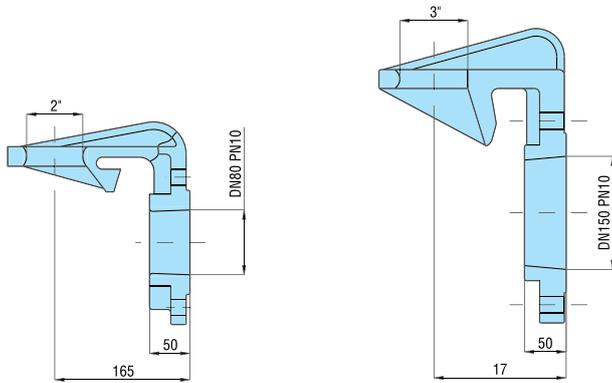
Pied, supportES pour les tubes: fonte GS400-12 UN14544.  
adaptateur: fonte sphéroidal GS400-12 UNI 4544.  
Autres matériaux sur demande

Pes de acoplamento a partir da bomba ao a tubagem de descarga completo a curva, adaptador, suporte tubo guia (excluindo os tubos de guia), juntas e parafusos.

### Materiais

Pes, suportes: ferro fundido GS400-12 UN14544.  
Adaptador: ferro fundido esferoidal GS400-12 UNI 4544.  
Outros materiais sob consulta

## Adapters - Adattatori - Переходники Adaptateurs - Adaptadores - Adaptadores



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS		
Type - Modello Модель - Modèle Modelo - Modelo	Dimensions - Dimensioni Размеры - Dimensions Dimensões - Dimensões	Guide rails dimensions - Dimensioni tubi guida Размеры направляющих - Dimensions Tube guide Dimensões tubos guia - Dimensões tubos guias
C80	DN 80	Ø 2"
C100	DN 100	Ø 3"
C150/100-3	DN 150/100 R3"	Ø 3"
C150/100-2	DN150/100 R2"	Ø 2"
C150-3	DN 150 R3"	Ø 3"
C150-2	DN 150 R2"	Ø 2"

Pump adapters for couplings already installed

Adattatori per piedi di accoppiamento già installati

Переходники для уже установленных соединительных ножек

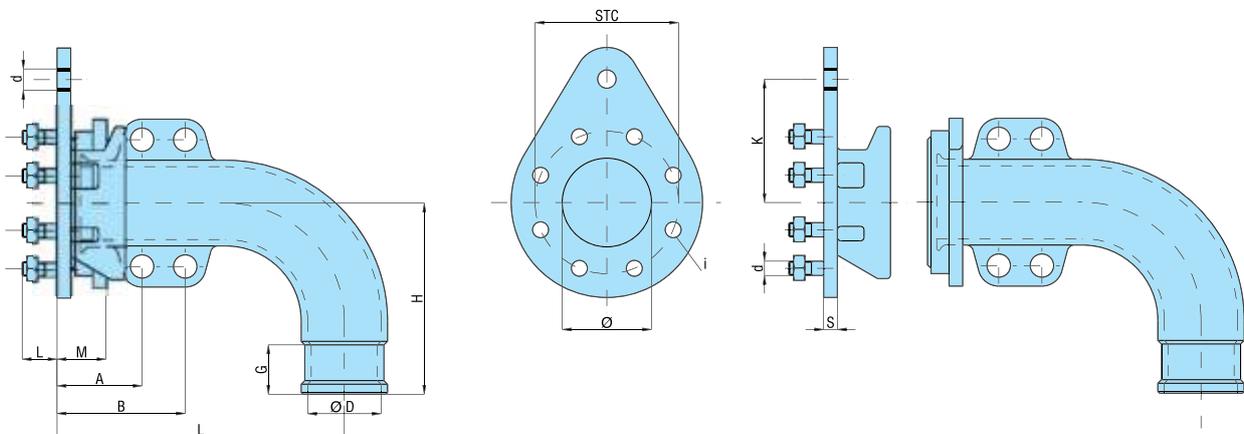
Adaptateurs pour pieds d'assise déjà installé

Adaptadores para pie de acoplamiento ya instalados

Adaptadores para pés de acoplamento já instalados

Accessori Idraulici – Hydraulic Accessories – Гидравлические Аксессуары - Accessoires Hydrauliques - Accesorios Hidráulicos - Acessórios Hidráulicos

## External Automatic Coupling - Accoppiamento Automatico Esterno Наружное Автоматическое Соединение - Accouplement Automatique Externe Acoplamiento Externo Automático - Acoplamiento Externo Automático



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ - CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS																
Type - Modello - Модель Modèle - Modelo - Modelo	PN	Ø D	A	B	G	H	K	L	M	NW	d	L1	i	STC	S	
CK 80	10	75	100	150	62	170	150	300	76	80	M16	40	4	160	16	
CK 100	10/16	100	100	150	62	210	150	325	76	100	M16	40	8	180	16	

# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

## Lifting Chain - Catene - Цепи - Chaînes - Cadenas - Cadeias



Warm galvanized steel lifting chain. Other diameters available on request

Горячеоцинкованные цепи. Другие диаметры поставляются под заказ.

Cadenas galvanizadas. Otros tamaños disponibles bajo petición.

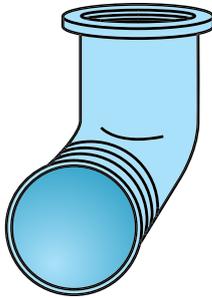
LENGHT - LUNGHEZZA - ДЛИНА КАБЕЛЯ - LONGUEUR - LONGITUD - COMPRIMENTO			
6 m	8 m	10 m	12 m

Catene zincate a caldo. Altri diametri disponibili a richiesta.

Chaînes en acier galvanisé. Autres tailles sont disponibles sur demande

Cadeias galvanizadas. Outros tamanhos disponíveis sob pedido

## Outlet Elbows - Curve di Uscita - Выходные Колена Courbe de débit - Curva de salida - Curva de remessa



Galvanised outlet elbow 90° M/F.

Напорные колена 90° резьбовые НАРУЖ./ВНУТ. оцинкованные

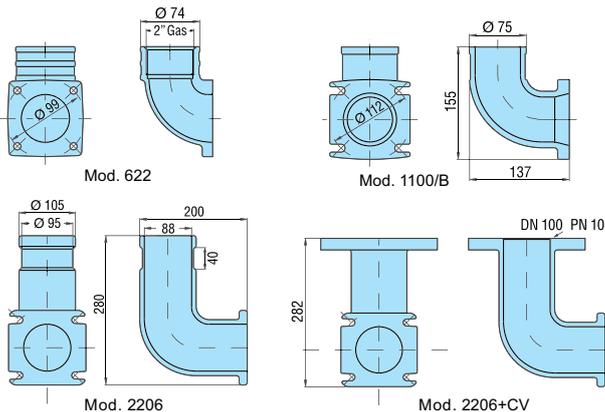
Curva de salida a 90° galvanizado y roscado M / F

GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS	
Modello - Type Модель Modèle Modelo - Modelo	Dimensioni - Dimensions Размеры Dimensions - Dimensiones - Dimensões
CL622	DN 50
CL1110/B	DN 65
CL2206	DN 100
CL2206+CV	DN 100

Gomiti di mandata a 90° iletati e zincati M/F.

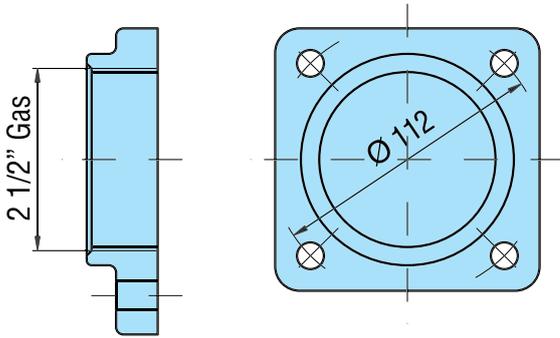
Courbe de débit à 90° galvanisé et ileté M / F

Curva de salida a 90° galvanizado y roscado M / F



GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS	
Type - Modello - Модель Modèle Modelo - Modelo	Dimensions - Dimensioni - Размеры Dimensions - Dimensiones - Dimensões
CG 90 MF 1" 1/2 Z	1" 1/2
CG 90 MF 2" Z	2"
CG 90 MF 2" 1/2 Z	2" 1/2

## Flanges - Flange - Фланцы - Bride - Brida - Flange

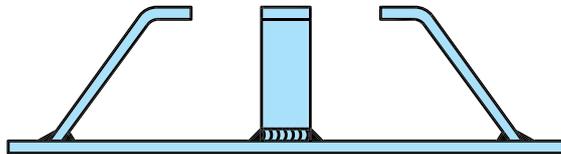


Square threaded lange  
 Резьбовые квадратные фланцы  
 Brida cuadrada roscada

GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS	
Type - Modello - Модель Modèle Modelo - Modelo	Dimensions - Dimensioni - Размеры Dimensões - Dimensões - Dimensões
C1109	DN 65

Flange quadre ilettate  
 Bride carrée illetée  
 Flange quadrada eniada

## Base Stand - Basi di Appoggio - Опоры Base de support - Base de apoio - Base de apoio

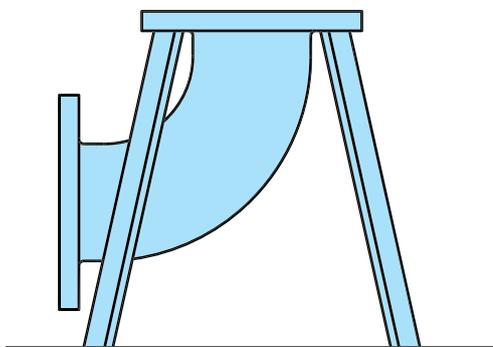


Base stand in galvanized steel.  
 Опоры из оцинкованной стали.  
 Base de apoio en acero galvanizado

GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS		
Series - Serie Серия - Série Modelo - Série	Dimensions - Dimensioni Размеры - Dimensões Dimensões - Dimensões	Guide rails dimensions - Dimensioni tubi guida - Размеры направл. Труб Dimen sions Tube guide - Dimensões tubos guía - Dimensões tubos guias
GB-2½"	CB65	DN 65
GB-4"	CB100	DN 100
MC-3" / 4"	CB80-100	DN 80-100
* MC-6"	CB150-1	DN 150
** MC-6"	CB150-2	DN 150
KC-6"	CB150-2	DN 150
KC-8"	CB200	DN 200
KC-10"	CB250	DN 250

\* Up to 16,9 kw - Fino a 16,9 kw - До 16,9 кВт - Jusqu' à 16,9 kw - Hasta 16,9 kw - Até 16,9 kw  
 \*\* From 17 kW - Da 17 kW - До 17 кВт - De 17 kW - Por 17 kW - Por 17 kW

Basi di appoggio in acciaio zincato.  
 Base de support en acier galvanisé.  
 Base de apoio em aço galvanizado.



Base stand with suction elbow for vertical dry installation.  
 Опора с всасывающим коленом для "сухой" вертикальной установки  
 Base de apoio con curva aspiración para instalación vertical

GENERAL FEATURES - CARATTERISTICHE GENERALI - ОБЩИЕ ХАРАКТЕРИСТИКИ CARACTÉRISTIQUES GÉNÉRALES - CARACTERÍSTICAS GENERALES - CARACTERÍSTICAS GERAIS		
Series - Serie Серия - Série Modelo - Série	Dimensions - Dimensioni Размеры - Dimensões Dimensões - Dimensões	Guide rails dimensions - Dimensioni tubi guida - Размеры направл. Труб Dimen sions Tube guide - Dimensões tubos guía - Dimensões tubos guias
MC - 3"	CTVS 80A-R	DN 80 PN 10
MC - 4"	CTVS 100A-R	DN 100 PN 16/180
MC - 6"	CTVS 150A-R	DN 150 PN 16/240
KC - 6"	CTVS 150 R	DN 150
KC - 6"	CTVS 150/200 R	DN 150/200
KC - 8"	CTVS 200 R	DN 200
KC - 8"	CTVS 200/250 R	DN 200/250
KC - 10"	CTVS 250 R	DN 250
KC - 10"	CTVS 250/300 R	DN 250/300
KC - 12"	CTVS 300 R	DN 300
KC - 18"	CTVS 400 R	DN 400

Base di appoggio con gomito di aspirazione per installazione verticale a secco.  
 Base de support avec courbe d'aspiration pour installation vertical à sèche  
 Base de apoio com curva aspiração para instalação vertical a seco

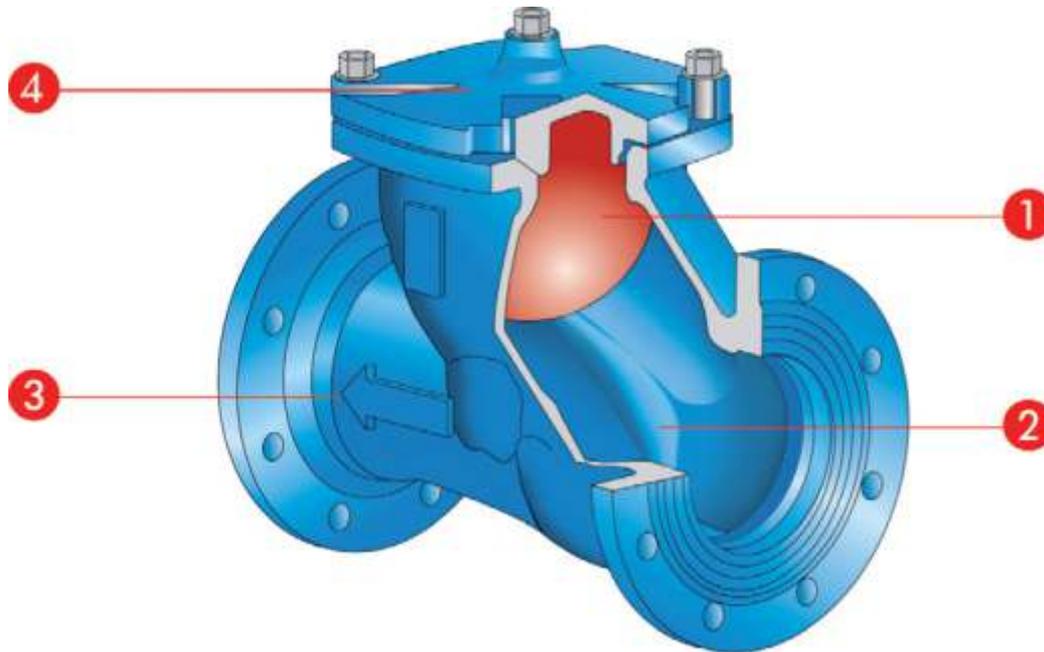
# Accessories

Electric accessories – Accessori elettrici - электрические аксессуары  
Accessoires électriques - Accesorios eléctricos - Acessórios elétricos

Ball Check Valves  
Valvole di Ritegno a Palla

Гидравлические Аксессуары  
Clapet Anti-Retour a Boule

Valvulas de Retencion con Esfera  
Válvulas de Retenção a Bola



1. Otturatore a palla vulcanizzata NBR
2. Il coperchio permette una facile manutenzione
3. La freccia indica la direzione del flusso e il senso dell'installazione
4. Finitura superficiale interna/esterna in vernice epossidica blu RAL 5002 (standard)

1. Ball vulcanized shutter
2. The cover permits a simple maintenance
3. The arrow shows the flow and the installation direction
4. Internal and external epoxy inish paint (RAL 5002 standard)

1. Обтюратор с шариком из вулканизированного НБР
2. Крышка упрощает тех. обслуживание
3. Стрелка указывает направление потока и направление монтажа
4. Покрытие наружной/внутренней поверхности из синей эпоксидной краски RAL 5002 (стандарт)

1. Balle d'obturation vulcanisé NBR
2. Le capot permet une maintenance aisée
3. La lèche indique la direction du flux et le sens de l'installation
4. Finition de surface et interne / externe peinture époxy bleu RAL 5002 (standard)

1. Bola de obturador vulcanizado NBR
2. La tapa permite un fácil mantenimiento
3. La lecha indica la dirección del flujo y la dirección de la instalación
4. Pintura epoxídica interior / exterior azul RAL 5002 (estándar)

1. Bola vulcanizada NBR
2. Tampa permite a manutenção fácil
3. A lecha indica a direcção do fluxo e na direcção da instalação
4. Pintura interior / exterior com tinta epóxica azul RAL 5002 (padrão)

## Applications

For heavy, thick and viscous fluids and dirty water.

- Very slight pressure drop
- Full bore
- Self cleaning
- Silent
- Horizontal and vertical installation

## Приложения

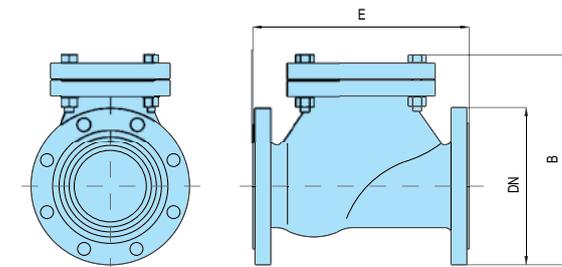
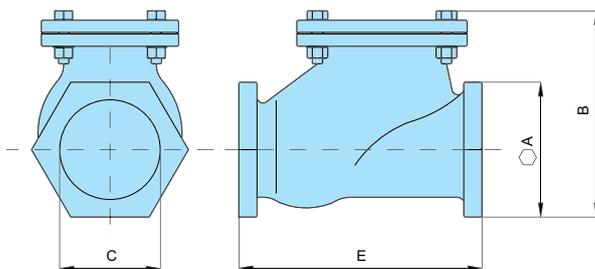
Особенно подходит для вязких, густых, грязных, сточных жидкостей.

- Минимальная потеря напора
- Полный проход
- Система самоочистки
- Бесшумность
- Горизонтальная или вертикальная установка

## Utilizacion

Especialmente adecuado para líquidos viscosos y densos, y las Aguas residuales

- Perdidas de carga muy bajas
- Agujero completo
- Sistema autolimpiante
- Silencioso
- Instalación vertical u horizontal



## Applicazioni

Particolarmente adatta per liquidi viscosi, densi, carichi e acque di scarico.

- Minima perdita di carico
- Passaggio totale
- Sistema autopulente
- Silenziosa
- Installazione orizzontale o verticale

## Applications

Particulièrement adapté pour les liquides visqueux, denses, et les eaux usées.

- Pertes de charges très basses
- Passage totale
- Système auto-nettoyant
- Silencieux
- Installation vertical ou horizontal

## Usos

Particolarmente indicado para líquidos viscosos, densos, e águas residuais

- Perdas da carga muito baixas
- Passagem plena
- Sistema de auto-limpeza
- Silêncio
- Instalação vertical ou horizontal

F/F threaded, cast iron GG 25 - Filettate F/F in ghisa GG 25  
 Резьбовые ВНУТ./ВНУТ. из чугуна GG25 - Fileté F/F en fonte GG 25  
 Roscada F/F en hierro fundido GG 25 - Roscada F/F em ferro fundido GG 25

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO				
C	1 1/2"	2"	2" 1/2	3"
A	62	73	92	115
B	120	146	178	227
E	138	166	198	236

Flanged PN10, cast iron GG 25 inspectable - Flangiata PN10 in ghisa GG 25 ispezionabile -  
 Фланцевые PN10 из чугуна GG25 с возможностью осмотра - Bridé PN10 en fonte GG 25 inspectio  
 nable - Breda PN10 en hierro fundido GG 25 para inspección - Flangeada PN10 em ferro fundido GG 25  
 para inspeção

INSTALLATION SIZES - DIMENSIONI DI INSTALLAZIONE - УСТАНОВОЧНЫЕ РАЗМЕРЫ DIMENSIONS D'INSTALLATION - DIMENSIONES DE INSTALACIÓN - DIMENSÕES DE INSTALAÇÃO												
DN	40	50	65	80	100	125	150	200	250	300	350	400
B	172	187	218	262	317	343	397	494	596	680	800	1050
E	180	200	240	260	300	350	400	500	600	700	85	1100





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Email : sales.id@crifluidsystems.com Website : www.crifluidsystems.com

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Tel : 832-430-4660 Email : sales@crigroups.us

Website : www.crigroups.us

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Website : www.crifluidsystems.com

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