

CHANNELS - MARINE BRONZE

**IMPIEGHI**

Le elettropompe sommergibili in bronzo marino sono utilizzate per lo smaltimento delle acque di scarico provenienti dal settore marino, alimentare, prodotti chimici e petrolchimici.

PARTICOLARITÀ COSTRUTTIVE

Elettropompe sommergibili di robusta e compatta costruzione, motori elettrici alloggiati in vano a tenuta stagna, collegati mediante alberi di lunghezze ridotte alle giranti situate in voluta tramite interposizione di camera olio tra parte idraulica e motore elettrico.

MATERIALI

Fusioni principali	Bronzo marino
Girante	Acciaio inossidabile AISI 316L
Cavo elettrico	Neoprene H07RN/F
Albero	Acciaio inossidabile AISI 316L/Duplex
O-rings e paraolio	Nitrile
Bullonerie	Classe A4 - AISI 316
Tenuta meccanica	Cr-buro di silicio / Carburo di silicio

**APPLICATIONS**

Les électropompes submersibles en bronze marine sont utilisées pour l'écoulement des eaux usées provenant du secteur marin, alimentaire, produits chimiques et pétrochimiques.

PARTICULARITÉ DE CONSTRUCTION

Pompes submersibles robustes et compactes, moteurs électriques logés en enceinte étanche, reliés par des arbres de longueurs réduites aux roues, avec interposition d'une chambre à huile entre la partie hydraulique et le moteur électrique.

MATÉRIAUX

Moulures principales	Bronze Marine
Roue	Acier inoxydable AISI 316L
Câble électrique	Néoprène H07RN/F
Arbre	Acier inoxydable AISI 316L / Duplex
O-ring et joints	Nitrile
vis	Classe A4 - AISI 316
Garniture mécanique	Carb. de silicium / carbure de silicium

**UTILIZACION**

Bombas sumergibles en Bronce Marino se utilizan especialmente para bombear aguas saldas, sean marinas que provenientes del sector alimentario, químico o petrolquímico.

DIFERENCIAS PRINCIPALES

Son bombas sumergibles de robusta y compacta construcción, motores eléctricos situados en compartimento separado, conectadas mediante ejes cortos con los impulsores interpuestos con una cámara de aceite entre la parte hidráulica y el motor eléctrico.

MATERIALES

Aleaciones principales	Bronce Marino
Impulsor (turbina)	Acero inoxidable AISI 316L
Cable eléctrico	Neopreno H07RN/F
Eje	Acero inoxidable AISI 316L / Duplex
Anillo de sellados y O-Rings	Nitrile
Tornillos	Clase A4 - AISI 316
Sello mecánico	Carburo de silicio / Carburo de silicio

**APPLICATION**

Submersible electric pumps in marine bronze are used prevalently for cleaning of waste waters originating from chemical installations, agricultural and alimentary fields.

CONSTRUCTION DATA

Submersible electric pumps, robust in construction, watertight electric motors accommodated in compartment, connected, by shafts of reduced lengths, to the impellers situated at the pump casing by the interposition of oil chamber between the hydraulic side and the electric motor.

MATERIALS

Motor housing	Marine Bronze
Impeller	Stainless Steel AISI 316L
Electric cable	Neoprene H07RN/F
Shaft	Stainless Steel AISI 316L / Duplex
O-rings and lip seal	Nitrile
Bolts	A4 class - AISI 316
Mechanical seal	Silicon Carbide / Silicon Carbide

**EINSATZBEREICHE**

Entwässerungspumpen aus Bronze werden zu Förderung von Abwässern aus dem chemischen Anlagenbau, der Landwirtschaft und Nahrungsmittelindustrie eingesetzt.

AUSFÜHRUNG

Robuste Tauchmotorpumpe mit wasserdichtem Motor, kompakte Bauart, Laufrad im Pumpengehäuse durch Ölkammer zum Motor getrennt.

WERKSTOFFE

Motorgehäuse	Marine Bronze
Laufrad	Edelstahl AISI 316L
Anschlusskabel	Neoprene H07RN/F
Welle	Edelstahl AISI 316L / Duplex
Wellendichtring und O-Ringe	Nitrile
Schrauben	Edelstahl AISI 316
Gleitringdichtung	Siliziumkarbid / Siliziumkarbid

**ОБЛАСТЬ ПРИМЕНЕНИЯ**

Погружные электронасосы из бронзы для морской среды используются для перекачки сточных вод в морской отрасли и от пищевой промышленности, химических и нефтехимических продуктов.

КОНСТРУКЦИОННЫЕ ОСОБЕННОСТИ

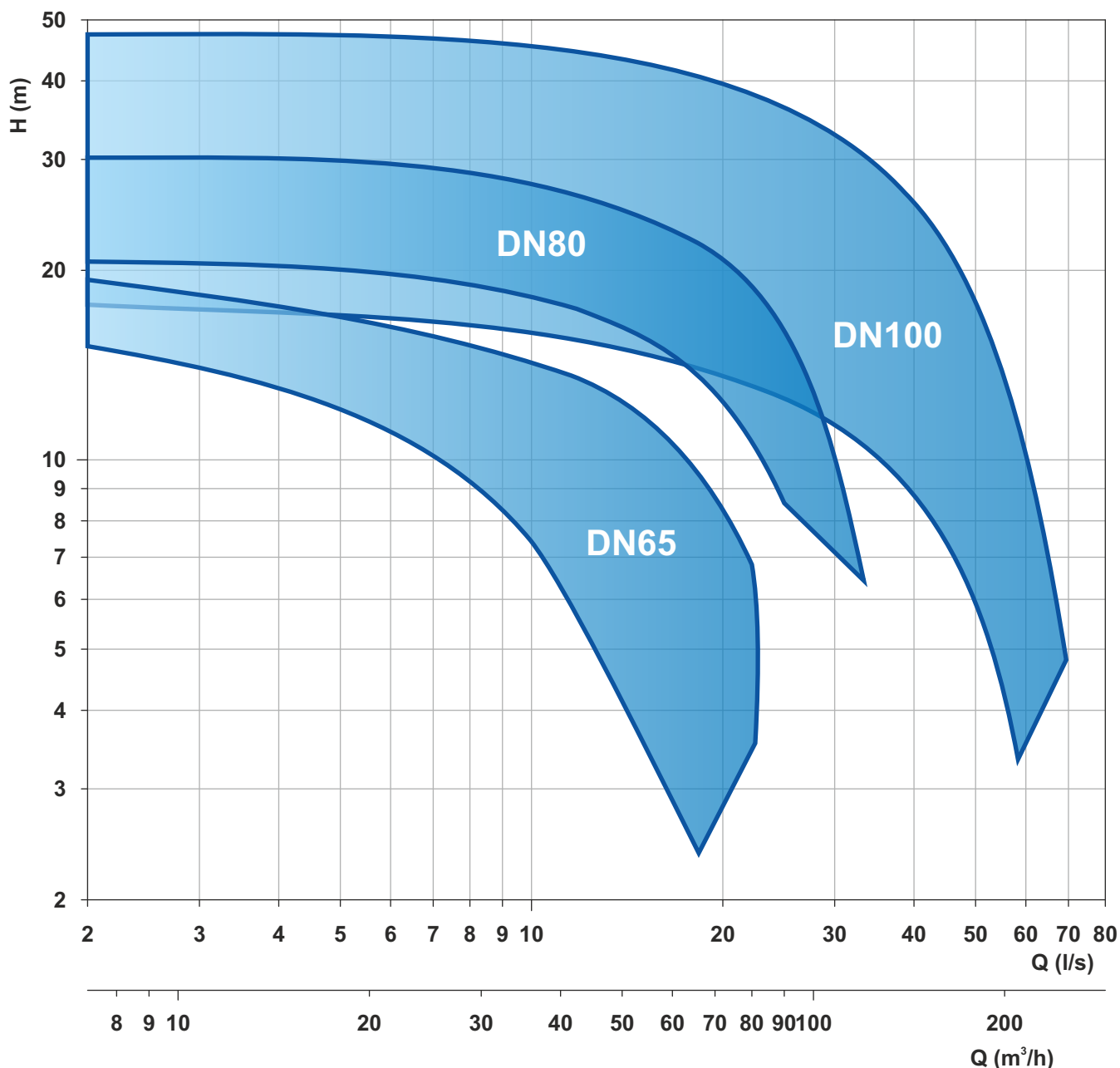
Погружные электронасосы с прочной и компактной конструкцией. Электродвигатели размещены в секции с герметичным уплотнением и соединены через валы небольшой длины с рабочими колесами, расположенными в гидравлической камере. Валы проходят через масляную камеру между гидравликой и электродвигателем.

МАТЕРИАЛЫ

Основные литые компоненты	Морская бронза
Рабочее колесо	Нержавеющая сталь AISI 316L
Электрокабель	Неопрен H07RN/F
Вал	Нержавеющая сталь AISI 316L/Дуплекс
Уплот. кольца и манжета	Нитрил
Винты	Класс A4 - AISI 316
Мех. уплотнение	Карбид кремния / Карбид кремния

CHANNELS - MARINE BRONZE

Elettropompe sommergibili a canali in Bronzo Marino 2 poli
 Submersible electric pumps with channels in Marine Bronze 2 poles
 Electropompe submersible à canaux en Bronze Marine 2 pôles
 Tauchmotorpumpe aus Marine-Bronze mit Mehrkanalrad 2-polig
 Bombas sumergibles a canales en Bronce Marino 2 polos
 Вихревые погружные электронасосы из морской бронзы 2 полюса



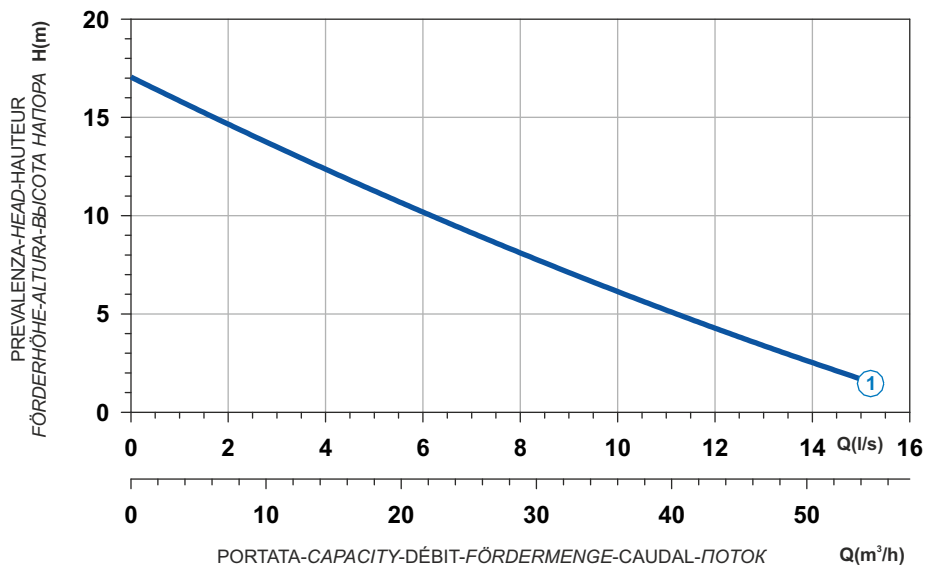
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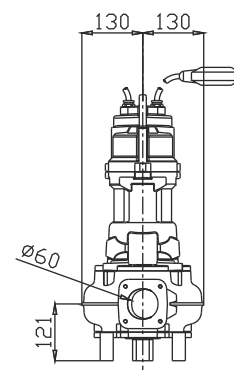
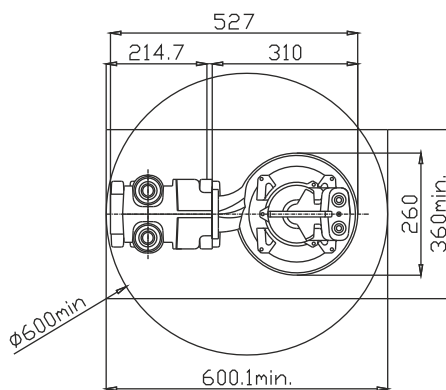
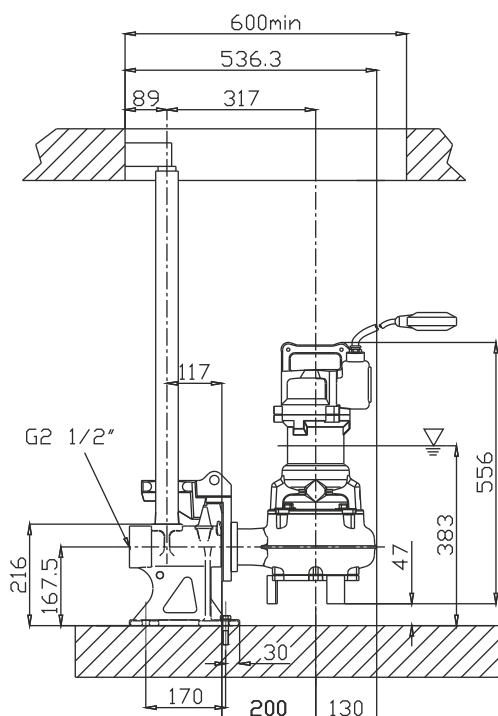
Curva caratteristica - Performance curve - Courbe caractéristique
Kennlinie - Curva característica - Характеристическая кривая



Power supply	1ph 230V 50Hz
R.P.M.	2850
Free passage (mm)	40
Discharge (mm)	DN 65
Max Weight (Kg)	51

Curve N°	Code	Type	MOTOR			ATEX code	
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)		
1	7005865	B271M1M2-L40KB1	1,7	10,2	56,1	7006402	

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)

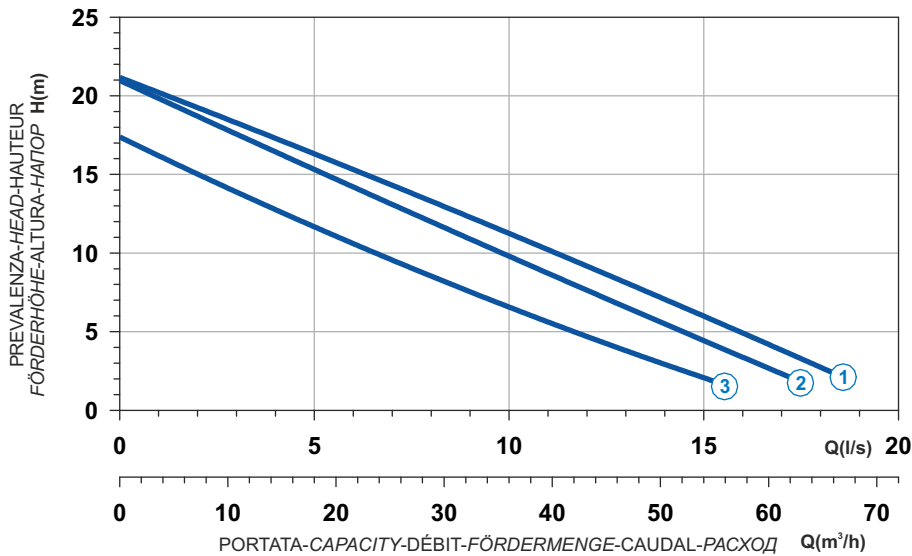


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 MINIMUM SUBMERSIBLE LEVEL
 NIVEAU MINIMUM D'IMMERSION
 MINDESTWASSERSTAND
 NIVEL SUMERGIBLE MINIMO
 МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

 **Bronzo Marino**
 **Bronze Marine**
 **Bronce Marino**

 **Marine Bronze**
 **Marine-Bronze**
 **Морская бронза**

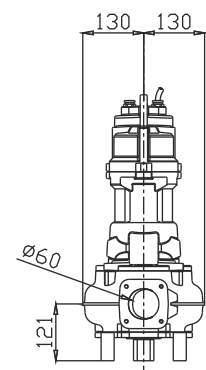
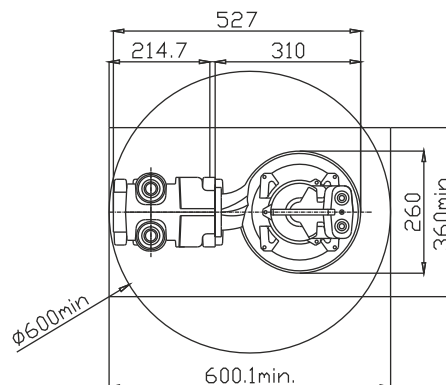
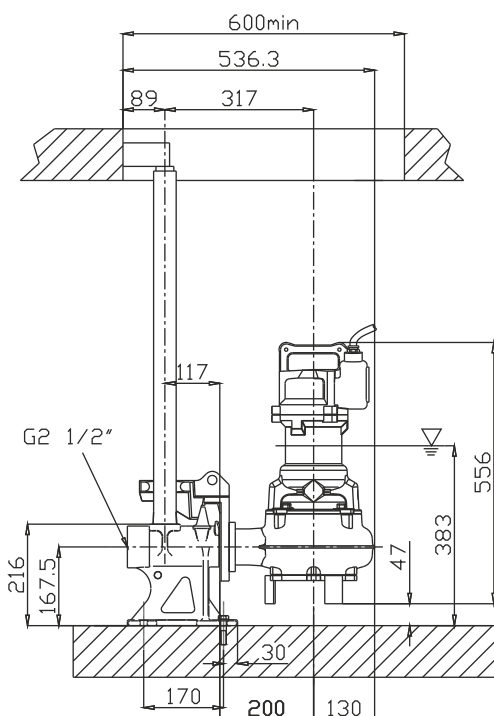
Curva caratteristica - Performance curve - Courbe caractéristique
Kennlinie - Curva característica - Характеристическая кривая



Curve N°	Code	Type	MOTOR			ATEX code 
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)	
1	7009613	B271T1M4-L40KA0	2,8	5,2	30,7	7005901
2	7005493	B271T1M1-L40KA0	2,8	5,2	30,7	7005922
3	7005494	B271T1M2-L40KA0	2,1	3,9	23	7005592

Power supply	3ph 400V 50Hz
R.P.M.	2850
Free passage (mm)	40
Discharge (mm)	DN 65
Max Weight (Kg)	50

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



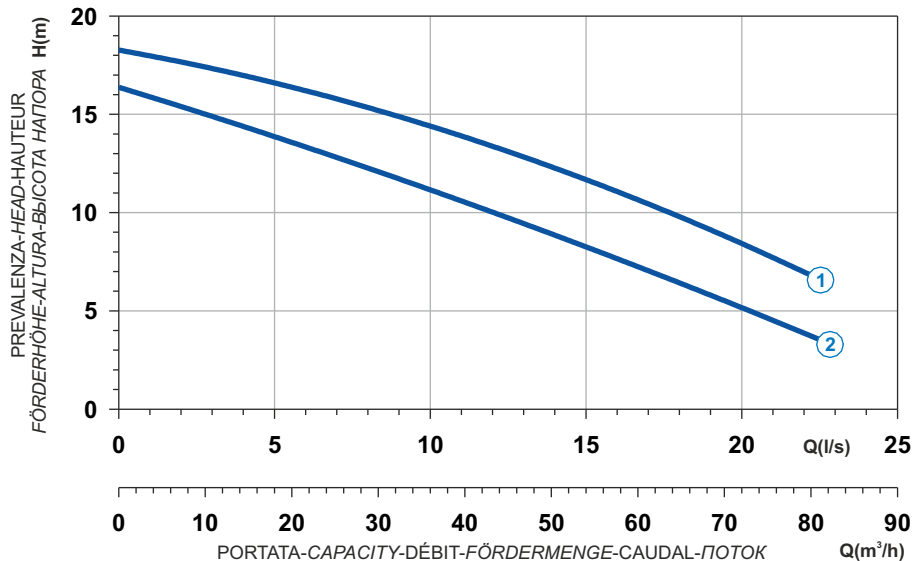
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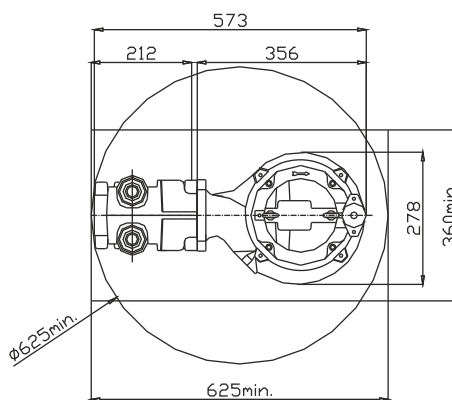
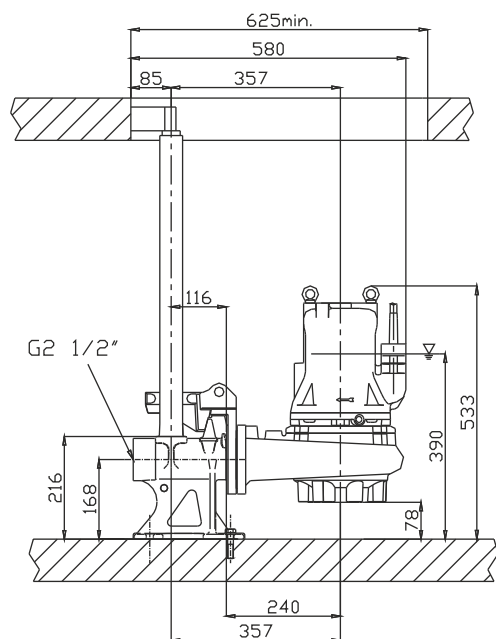
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Kennlinie - Curva característica - Характеристическая кривая



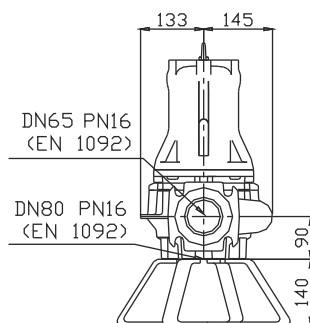
Power supply	3ph 400V 50Hz
R.P.M.	2850
Free passage (mm)	30
Discharge (mm)	DN 65
Max Weight (Kg)	65

Curve N°	Code	Type	MOTOR			ATEX code	
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)		
1	7005355	B209T3C2-L30KA0	3,6	6,6	38,9	7005358	
2	7005495	B209T3C3-L30KA0	3,1	5,8	34,2	7005577	

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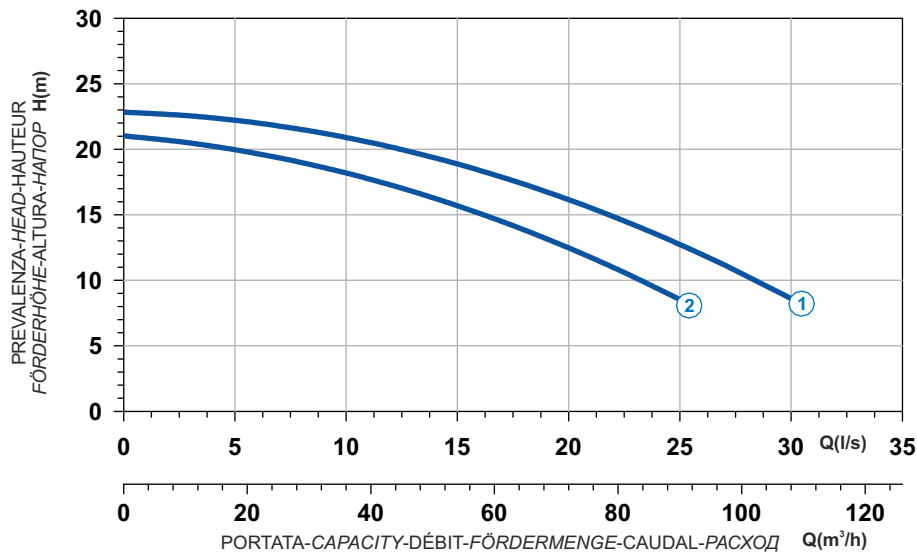
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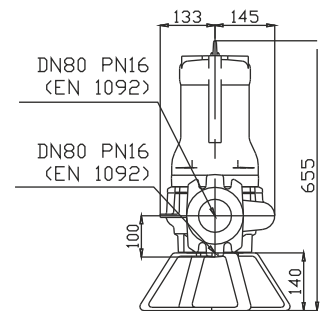
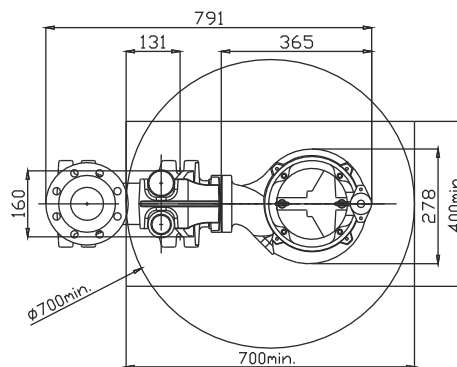
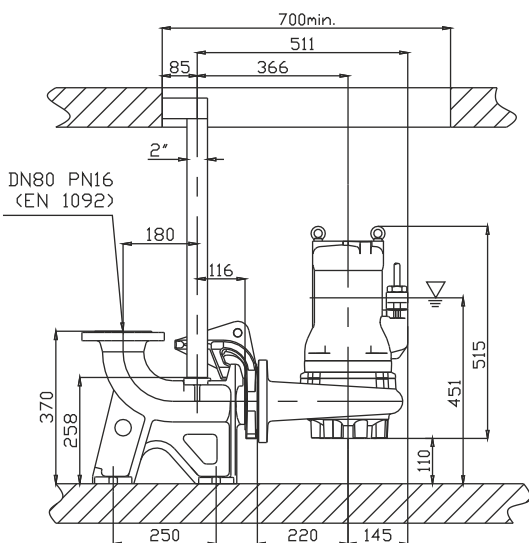
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Kennlinie - Curva característica - Характеристическая кривая



Curve N°	Code	Type	MOTOR			ATEX code 
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)	
1	7005348	B210R3C1-M30KA2	6,5	11,8	69,6	7008394
2	7001866	B210R3C4-M30KA2	5	9,1	53,7	7005484

Power supply	3ph 400/690V 50Hz
R.P.M.	2850
Free passage (mm)	30
Discharge (mm)	DN 80
Max Weight (Kg)	90

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



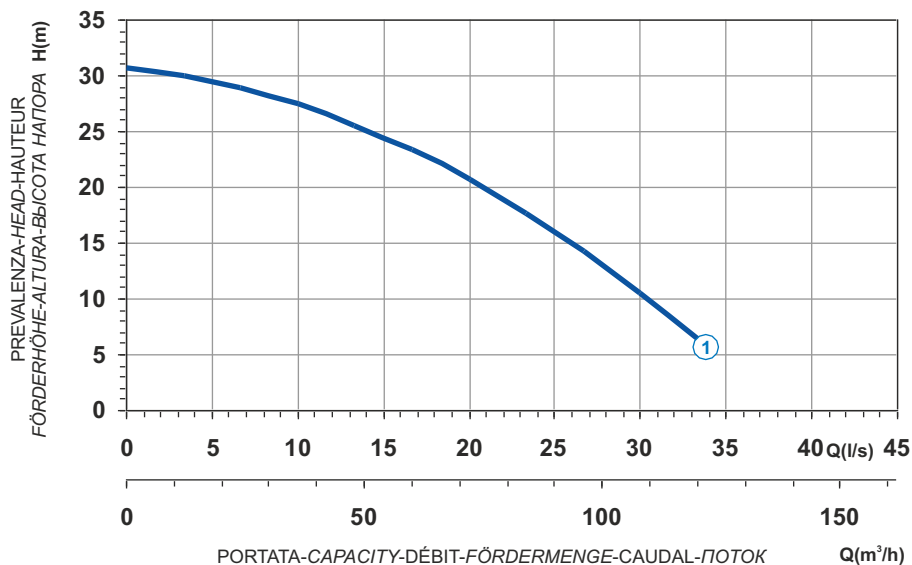
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Bronzo Marino
Bronze Marine
Bronce Marino

Marine Bronze
Marine-Bronze
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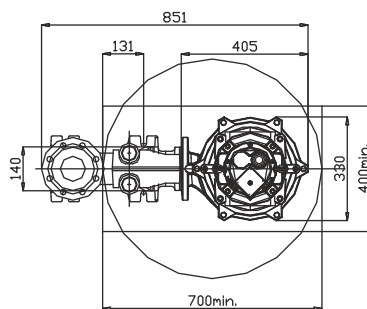
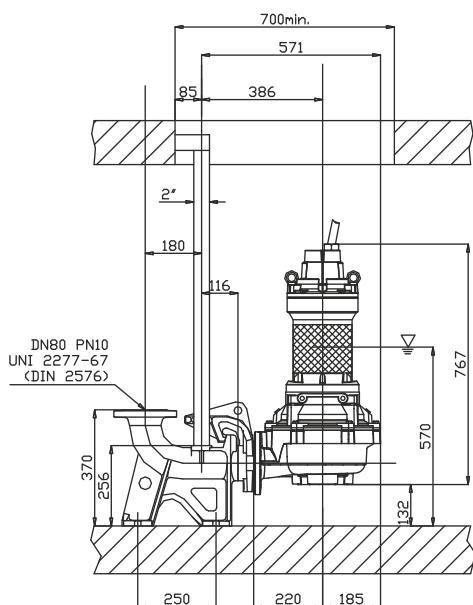
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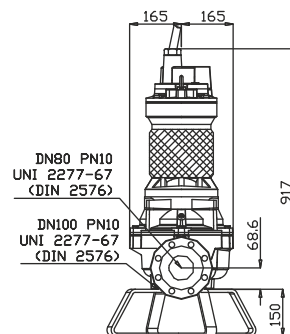
Power supply	3ph 400/690V 50Hz
R.P.M.	2850
Free passage (mm)	30
Discharge (mm)	DN 80
Max Weight (Kg)	170

Curve N°	Code	Type	MOTOR			ATEX code	
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)		
1	7002495	B211R3C1-M30KA2	7,5	13,5	79,7	7008575	

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



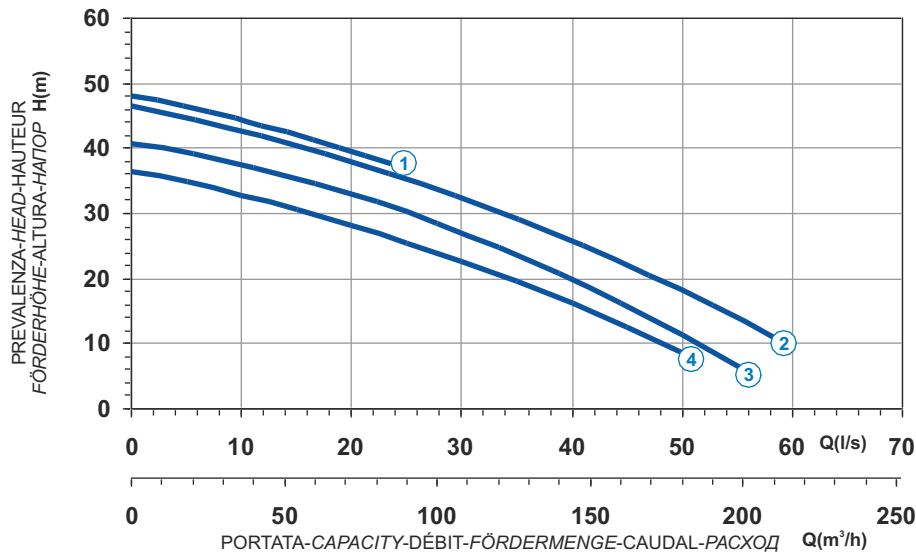
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 **Bronze Marine**
 **Bronce Marino**

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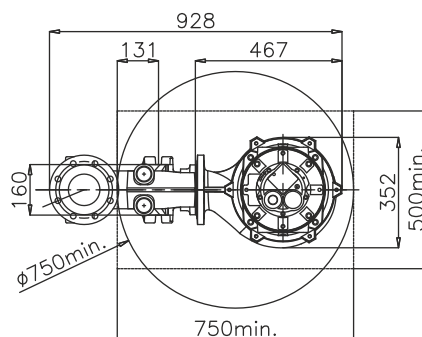
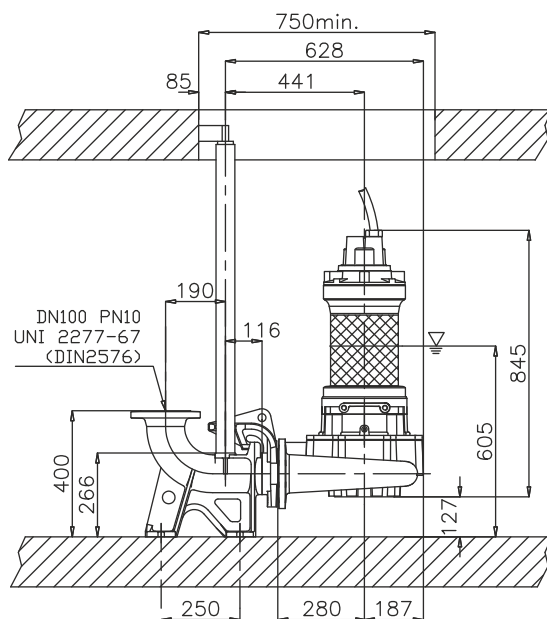
Curva caratteristica - Performance curve - Courbe caractéristique
Kennlinie - Curva característica - Характеристическая кривая



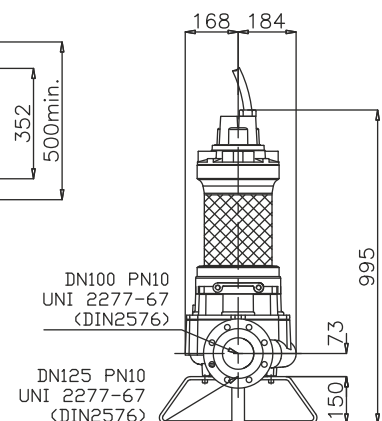
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			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)	
1	7001451	B213R3C1-P40KA2	16,6	29,8	176	7008585
2	7009015	B213R3C2-P40KA2	16,6	29,8	176	7000161
3	7001491	B213R3C3-P40KA2	13,8	24,8	146	7008587
4	7008935	B213R3C4-P40KA2	12	21,7	128	7008676

Power supply	3ph 400/690V 50Hz
R.P.M.	2850
Free passage (mm)	40
Discharge (mm)	DN 100
Max Weight (Kg)	225

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



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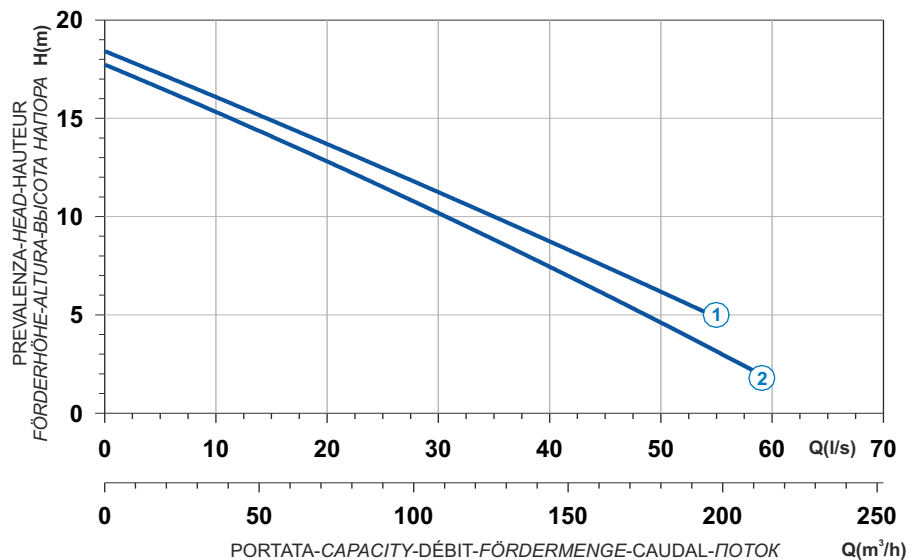




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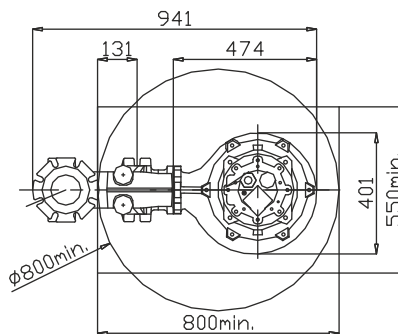
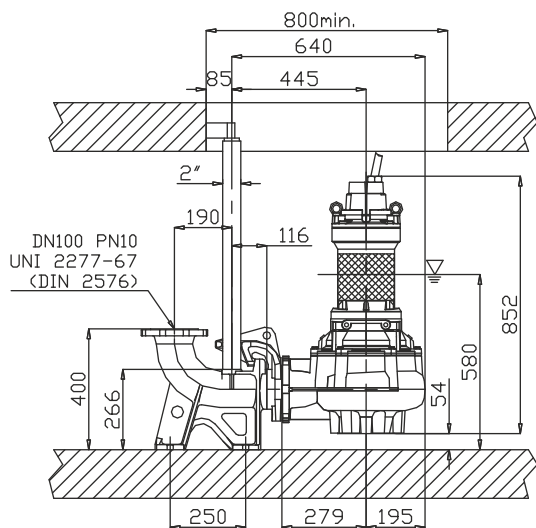
**Curva caratteristica - Performance curve - Courbe caractéristique
Kennlinie - Curva característica - Характеристическая кривая**



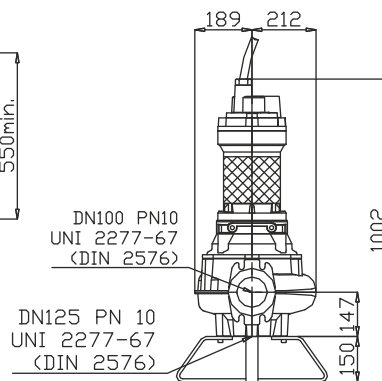
Power supply	3ph 400/690V 50Hz
R.P.M.	1450
Free passage (mm)	60
Discharge (mm)	DN 100
Max Weight (Kg)	185

Curve N°	Code	Type	MOTOR			ATEX code	
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)		
1	7000929	B411R2C1-P60KA2	7,1	13,5	79,7	7008704	
2	7005070	B411R2C2-P60KA2	6	11,5	67,9	7008733	

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



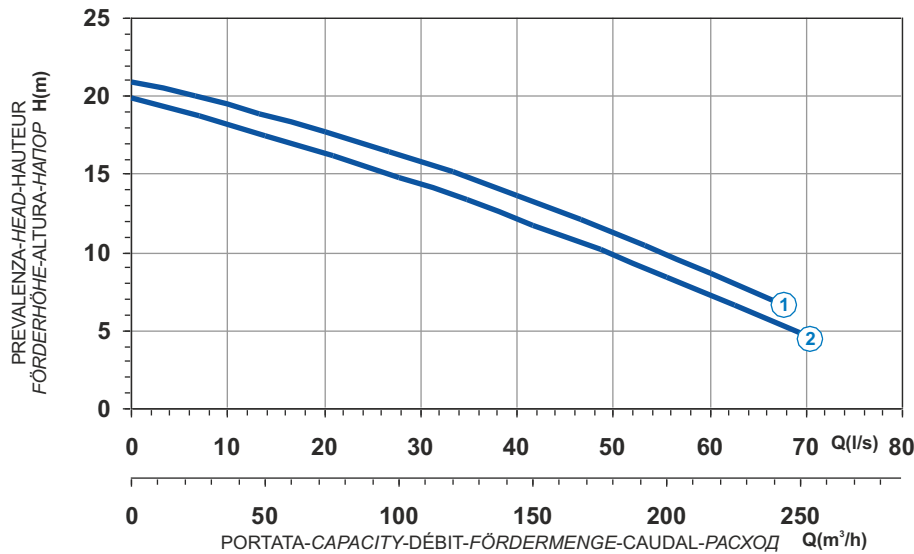
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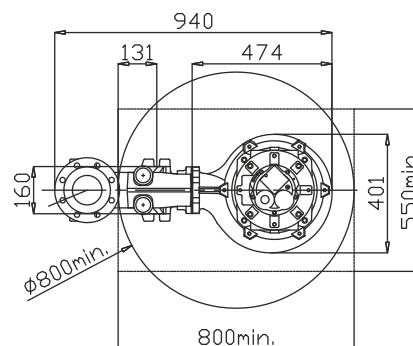
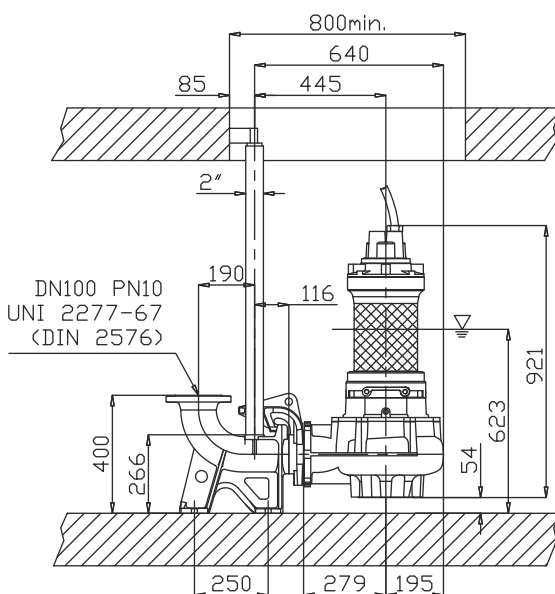
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Curve N°	Code	Type	MOTOR			ATEX code 
			Rated power P2 (kW)	Rated current I (A)	Starting current Is (A)	
1	7005551	B413R2C1-P80KA2	10	19	112	7008775
2	7009422	B413R2C6-P80KA2	10	19	112	7008842

Power supply	3ph 400/690V 50Hz
R.P.M.	1450
Free passage (mm)	80
Discharge (mm)	DN 100
Max Weight (Kg)	220

Dimensioni - Dimensions - Dimensions - Abmessungen - Dimensiones - Габариты (mm)



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