

**GPS-TS, TF, Effluent, A, RT, RW, GV, Joker series**

**Submersible pumps for waste water**

**50Hz**



# Contents - waste water pumps



Pump Type	Free passage	Code	Page
<b>Plastic submersible pumps</b>			
Drainage submersible pump (light duty)	8-10mm	GPS-TS	2
Vortex submersible pump (light duty)	30mm	GPS-TF	3
<b>Effluent Pumps</b>			
Treated effluent pump	1mm	GPS-EFF	4-6
<b>Trash Pump</b>			
Self priming vortex trash pump	10-15mm	GPS-A	7
<b>Submeribles Cast Iron</b>			
Vortex drainage pump internal capacitor cast iron impeller (medium duty)	30mm	GPS-ECM	11
Vortex drainage pump cast iron impeller (medium duty)	40mm	GPS-SE	12
Grinder sewage pump higher heads low flowrates	5mm	GPS-RT	14
Vortex pumps (heavy duty)	38mm up	GPS-RW	17
Vortex submersible (medium duty)	46mm	GPS-GV	21
Vortex submersible (light-medium duty)	30mm	GPS-JO	22
<b>Contractors Pump</b>			
Dig series	3mm	GPS-Dig	23

**For larger submersible pumps  
please contact GPS for quotation  
and technical data**

# Drainage submersible pump

## GPS-TS series (light duty)



### Application

Hand-carry submersible automatic water pumps. Able to drain infiltrating water, cellars or reservoirs. Can be used with clean or slightly dirty water and for garden irrigation.

### Operating conditions

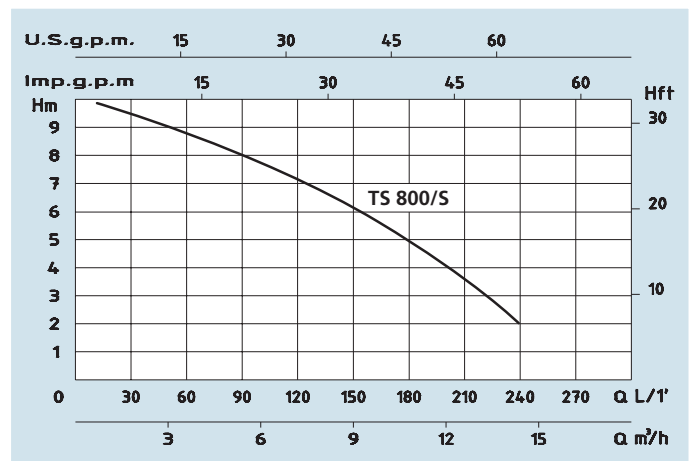
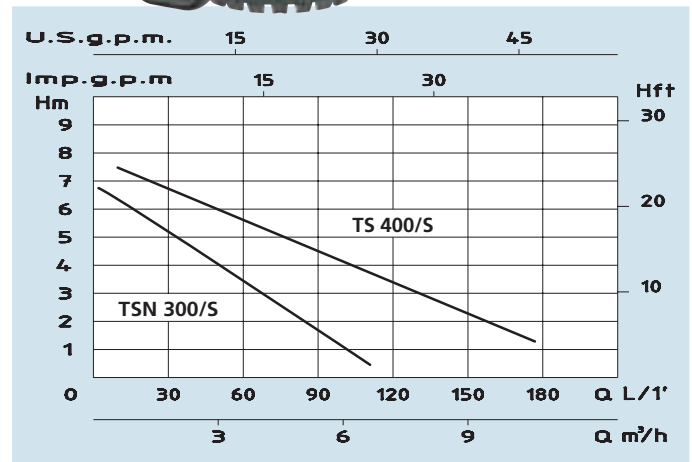
- Liquid temperature up to 35°C
- Submersion depth 5m
- Grain size inlet
  - TS 400 8mm
  - TS 800 10mm
- Min. suction level
  - TS 400 20mm
  - TS 800 20mm

### Motor

- Built-in overload motor protector with automatic reset
- Permanent split capacitor (PSC)
- Insulation class F
- Protection IP 68

### Materials

- Handle - moplen
- Pump body - moplen
- Impeller - noryl
- Motor casing - Stainless steel
- Shaft with rotor - Stainless steel
- Seal - double oil seal



### Technical data GPS-TS/TSN

TIPO - TYPE	POTENZA ASSORBITA INPUT POWER P1	AMPERE	Condensatore Capacitor f	Q = PORTATA - CAPACITY											
				m³/h	0,6	1,2	1,8	2,4	3,6	5,4	8,4	10,8	14,4	18	
Con galleggiante With float switch		Monofase Single-phase		lt/1	10	20	30	40	60	90	140	180	240	300	
230V-50Hz	Watt	1 x 230V		Prevalenza manometrica totale in m.C.A. - Total head in meters w.c.											
TSN 300/S	300 W	1,6	5	H (m)	6,3	5,5	5,1	4,3	3	1,3					
TS 400/S	400 W	2	8		7,5	6,8	6,5	6	5,5	4,5	2,3				
TS 800/S	800 W	3,8	20		9,7	9,5	9,2	9	8,7	8	6,6	5	2		

# Vortex submersible pump

## GPS-TF series (light duty)



## Vortex submersible pump GPS-TF

### Application

Hand carry submersible water pumps with vortex impeller suitable to lift waste liquids, even with suspended solids. Able to drain infiltrating water, cesspools or reservoirs. Decanting water from clean, dirty or muddy swimming pools.

### Operating conditions

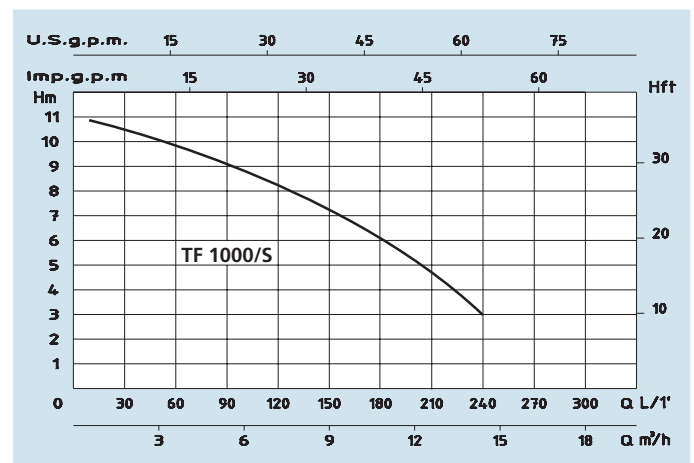
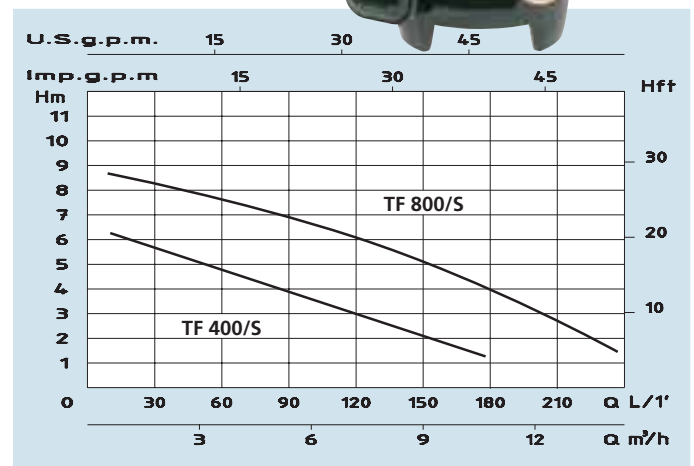
- Liquid temperature up to 35°C
- Submersion depth 5 m
- Grain size inlet 25 mm (TF 400/S)
- Grain size inlet 30 mm
- Min. suction level 40mm

### Motor

- Built-in overload motor protector with automatic reset
- Permanent split capacitor (PSC)
- Insulation class F
- Protection IP68

### Materials

- Handle - moplen
- Pump body - moplen
- Impeller - noryl
- Motor casing - stainless steel
- Shaft with rotor - stainless steel
- Seal - double oil seal



### Technical data GPS-TF

TIPO - TYPE	POTENZA ASSORBITA INPUT POWER P1	AMPERE Monofase Single-phase	Condensatore Capacitor f	Q = PORTATA - CAPACITY														
				m³/h	0,6	1,2	1,8	2,4	3,6	5,4	8,4	10,8	14,4	18				
Con galleggiante With float switch				lt/1	10	20	30	40	60	90	140	180	240	300				
230V-50Hz	Watt	1 x 230V		Prevalenza manometrica totale in m.C.A. - Total head in meters w.c.														
TF 400/S	400 W	2	8	H (m)	5,9	5,8	5,7	5,2	4,6	3,9	2,2							
TF 800/S	800 W	3,8	20	H (m)	8,9	8,5	8,2	8	7,8	7	5,6	4						
TF 1000/S	1000 W	4,8	20	H (m)	10,8	10,6	10,3	10,2	10	9	7,5	6	3					

# Treated Effluent discharge pump

## GPS-Effluent series



GPS-Effluent050 and 070, have been developed in conjunction with Global Pumps specifically for effluent disposal from sewage treatment plants through raam drip line disposal fields.

The Effluent pump is designed to pump in the 10-40 litre per minute flow range to suit most drip line flow requirements, commonly pumps suited to much larger flows are used and have large horsepower requirements.

### Features

This motor is fitted with a 1hp stator, and rotor but has only a 0.5hp pump end. The result is a pump that when all is well uses the power of 0.5hp pump but when a little extra torque is required the motor power is available. Also because the winding is larger than required for the pump it runs cooler and has resulting life expectancy increase.

The pump features a floating stack and as a result the pump puts almost no end thrust loading on to the bearings in the motor increasing bearing life expectancy.

Two independent rotating mechanical seals in an oil bath, this increases the life expectancy of the pump. Also as the impeller stack moves on the shaft there is not the problem of longitudinal shaft movement resulting in pressure variations on the seal faces which is an issue for pumps without floating impeller stacks.

Capacitor, one of the most common things to fail with single phase pumps is the capacitor, this is usually the result of poor or variations in power supply. As a result we have used an external capacitor that can be changed easily if necessary without disturbing the pump sealing.

Cables, are of high grade HORN7 neoprene, flexible with a long life expectancy.



Data	Effluent 050	Effluent 070
Maximum Pressure	45m	71m
Maximum flowrate	50 litres per minute or 3m <sup>3</sup> per hour	
Target Pump Duty	10-40 litres per minute	
Power Available	P <sub>1</sub> = 0.75kW	
Power Absorbed	P <sub>2</sub> = 0.37kW	P <sub>2</sub> = 0.55kW
Current FLC	3.9 amps	xxx amps

50Hz, 2 Poles, 230 volt		Q(m <sup>3</sup> /hr)	0	0.3	0.6	1.2	1.8	2.1	2.4	3.0
Model	P <sub>2</sub> (Hp)	Q(lpm)	0	5	10	20	30	35	40	50
GPS-Effluent050	0.50	Head (m)	45	44	43	40	35	31	27	15
GPS-Effluent070	0.75	Head(m)	71	70	68	62	55	49	42	23

# Treated Effluent discharge pump

## GPS-Effluent series

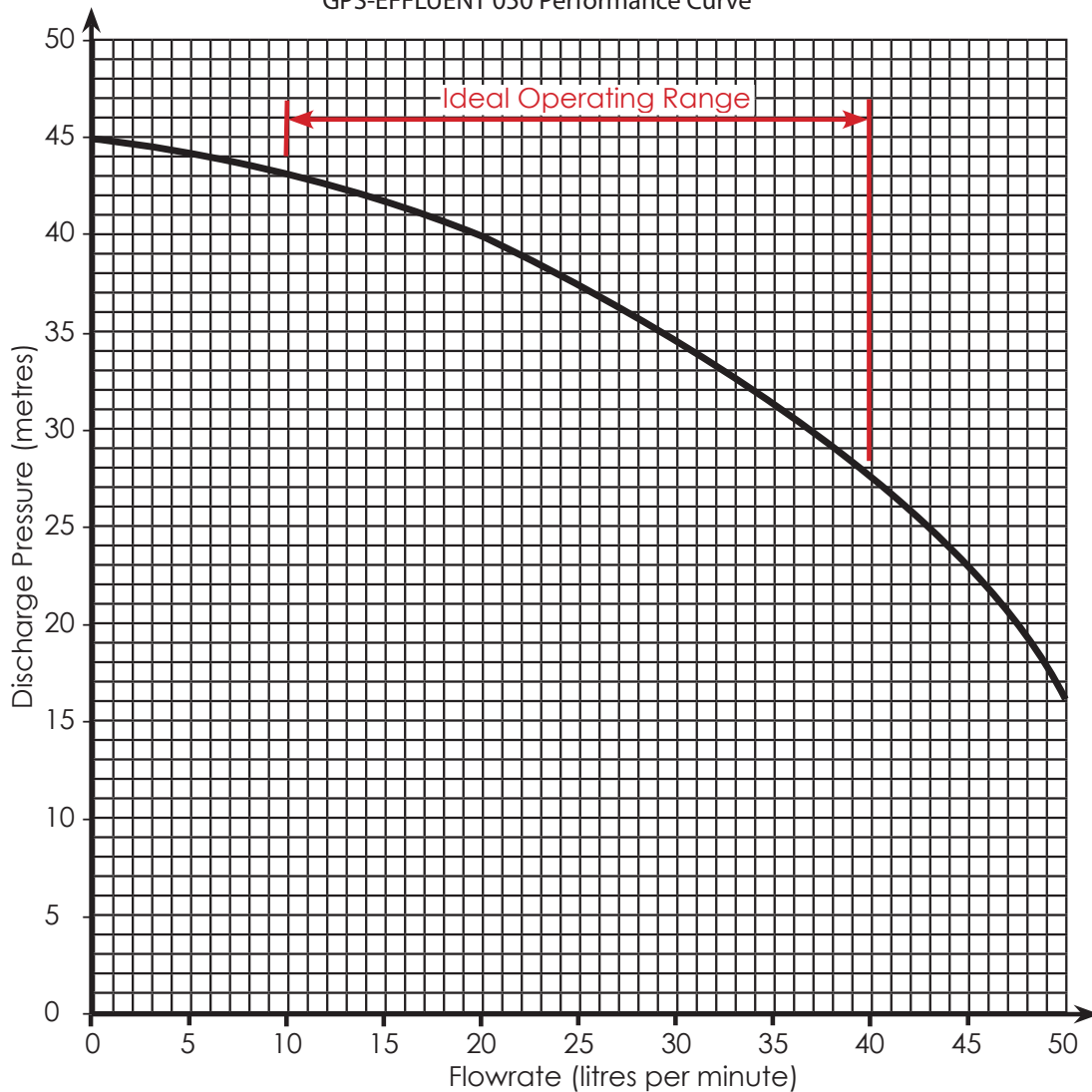


### GPS-Effluent050 Construction features

- A double mechanical seal with oil chamber
- Forced motor cooling
- Patented impeller design that transmits minimal axial thrust through to the motor
- Can pump down to 70mm water depth
- Rewindable motor
- Pump can be installed in hole 100mm diameter, large diameter well or tank



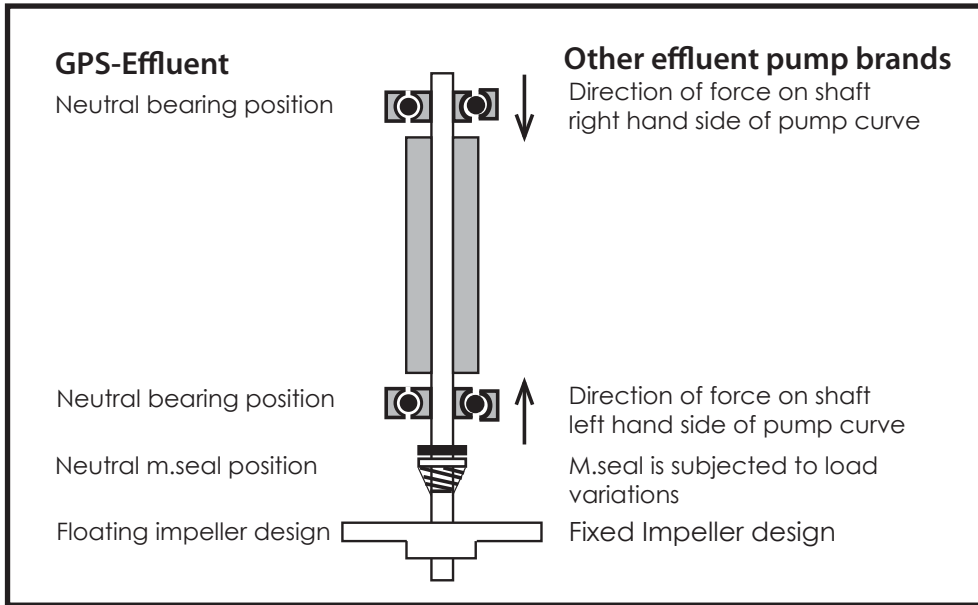
GPS-EFFLUENT 050 Performance Curve



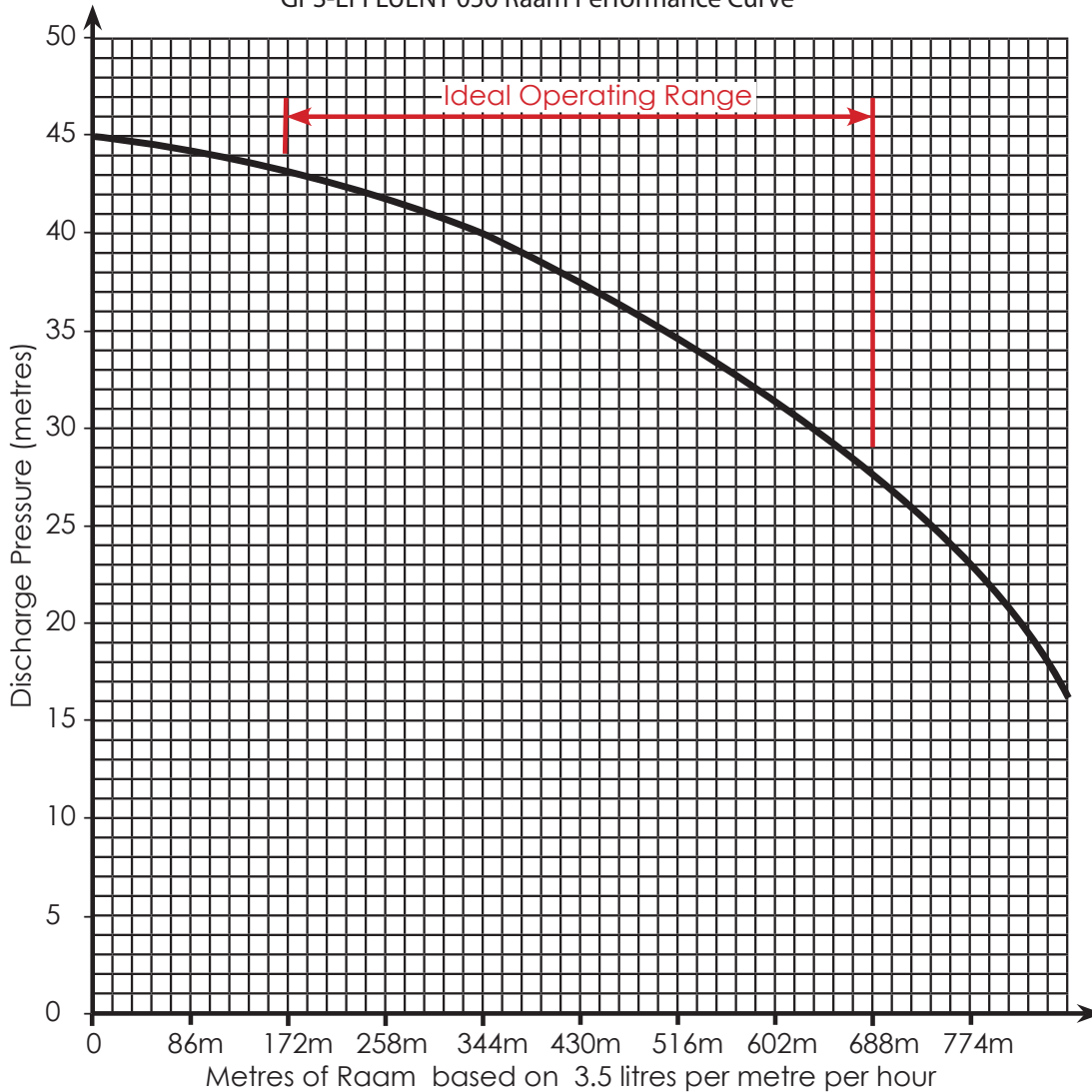
# Treated Effluent discharge pump

## GPS-Effluent series

The GPS Effluent difference



GPS-EFFLUENT 050 Raam Performance Curve





# Self-priming vortex trash pump

## GPS-A series



### Construction

Close-coupled centrifugal pumps with open impeller. The built-in backflow preventer avoids reverse siphoning when the pump is stopped and assures automatic re-priming at the next start. The pump re-priming itself even if partially filled with liquid and with completely empty suction pipe.

A: version with pump casing and lantern bracket in cast iron.  
 B-A: version with pump casing and lantern bracket in bronze (the pumps are supplied fully painted).

### Applications

For clean or slightly dirty water, also with solids up to 10 mm grain size for A 40, A 50 and 15 mm for A 65, A 80. For draining a basin or a sump. For irrigation. For civil and industrial applications.

### Operating conditions

Liquid temperature from -10 °C to +90 °C.  
 Room temperature up to 40 °C.  
 Maximum permissible working pressure up to 6 bar (10 bar for A 80-170).  
 Continuous duty.

### Motor

2-pole induction motor, 50 Hz (n = 2900 rpm).  
**A** three-phase 230/400 V ± 10% up to 3 kW;  
 400/690 V ± 10% from 4 to 7,5 kW;  
**AM**: single-phase 230 V ± 10%, with thermal protector.  
 Capacitor inside the terminal box.

Insulation class F.  
 Protection IP 54  
 Constructed in accordance with: EN 60034-1;  
 EN 60335-1, EN 60335-2-41.

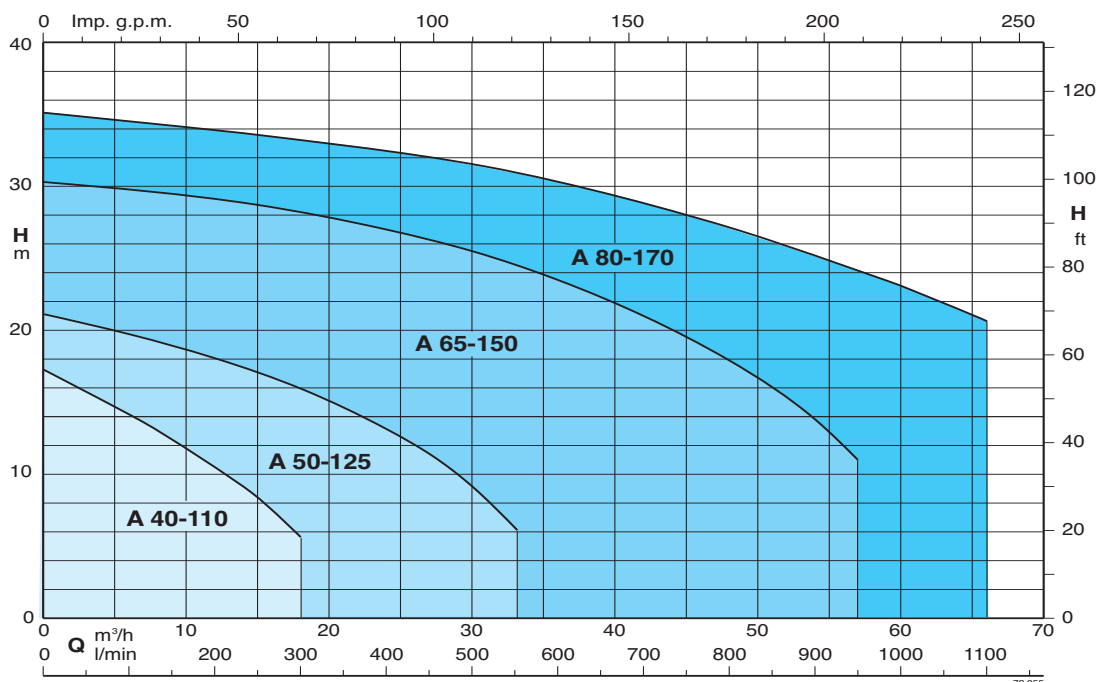
### Special features on request

Other voltages.  
 Frequency 60 Hz (as per 60 Hz data sheet).  
 Protection IP 55. Special mechanical seal.  
 Higher or lower liquid or ambient temperatures.  
 Explosion proof construction in accordance with Directive 94/9 EEC (ATEX).  
 Construction with bearing bracket.

### Materials

Components	A	B-A
Pump casing Suction flange Inspection cover (for A 65, A 80) Lantern bracket Impeller	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Shaft	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)	Cr-Ni-Mo steel 1.4401 EN 10088 (AISI 316)
	Chrome steel 1.4104 EN 10088 (AISI 430) for A 65-150	
Mechanical seal	Carbon - Ceramic - NBR	

### Coverage chart n ≈ 2900 rpm





# Self-priming vortex trash pump

## GPS-A series

### Performance n ≈ 2900 rpm

3 ~	230 V 400 V		1 ~	230 V	P <sub>1</sub>	P <sub>2</sub>			Q										
	A	A				A	kW	kW		HP	m <sup>3</sup> /h	3,6	4,8	6	7,5	8,4	9,6	10,8	12
A 40-110B/A B-A 40-110B/A	2,8	1,6	AM 40-110B/A B-AM 40-110B/A	4,5	0,85	0,55	0,75	H <sub>m</sub>	l/min	60	80	100	125	140	160	180	200	250	300
A 40-110A/A B-A 40-110A/A	3,5	2	AM 40-110A/A B-AM 40-110A/A	6	1,1	0,75	1		12,9	12,4	11,8	11	10,4	9,8	9	8,3	6	3,4	
										15,4	14,9	14,2	13,3	12,9	12,1	11,3	10,5	8,4	5,6

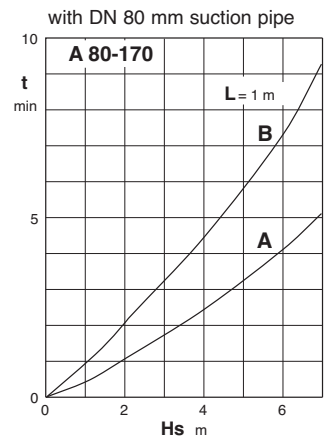
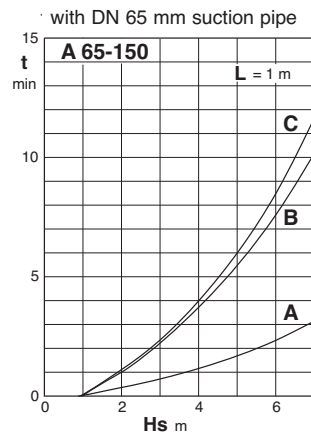
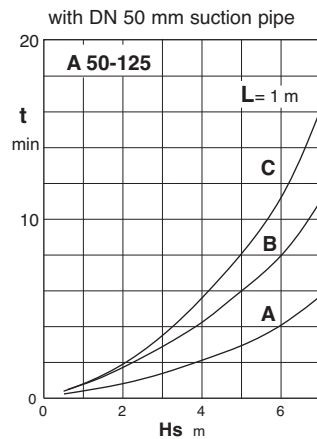
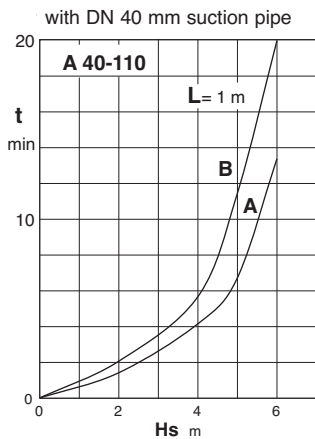
3 ~	230 V 400 V		1 ~	230 V	P <sub>1</sub>	P <sub>2</sub>			Q										
	A	A				A	kW	kW		HP	m <sup>3</sup> /h	6	9	12	15	18	21	24	27
A 50-125CE B-A 50-125CE	4	2,3	AM 50-125CE B-AM 50-125CE	5,8	1,2	0,75	1	H <sub>m</sub>	l/min	100	150	200	250	300	350	400	450	500	550
A 50-125BE B-A 50-125BE	5	2,9	AM 50-125BE B-AM 50-125BE	7,4	1,6	1,1	1,5		12,8	12,2	11,3	10	8,5	7	5,3	3,3			
A 50-125AE B-A 50-125AE	7,5	4,3	AM 50-125AE B-AM 50-125AE	9,2	2,1	1,5	2		15,5	14,9	14,2	12,9	11,6	10	8,3	6,2	4		
										19,5	19	18	17	15,5	14	12,5	10,5	8	5

3 ~	230 V 400 V		P <sub>2</sub>	Q															
	A	A			kW	HP	m <sup>3</sup> /h	15	18	24	30	33	36	42	48	54	57		
A 65-150C/A B-A 65-150CE	10	5,8	2,2	3	H <sub>m</sub>	l/min	250	300	400	500	550	600	700	800	900	950			
A 65-150B/A B-A 65-150BE	11,5	6,6				17,5	17	16	14	13	11,5	9	6,5						
A 65-150A/A B-A 65-150AE	-	9,6	4	5,5		21,5	21	19,5	17,5	16,5	15,5	12,5	9,5	6,5					
										29	28	27	25,5	24,5	23,5	21	18	14	11

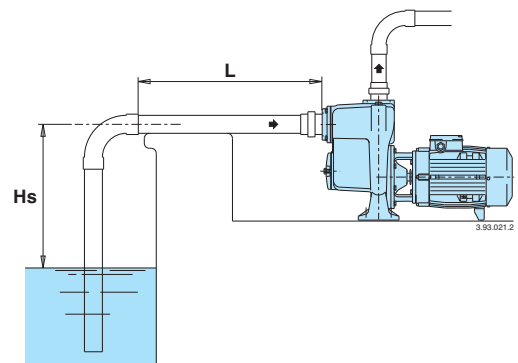
3 ~	230 V 400 V		P <sub>2</sub>	Q															
	A	A			kW	HP	m <sup>3</sup> /h	15	18	21	24	30	36	45	54	60	66		
A 80-170B B-A 80-170B	-	12	5,5	7,5	H <sub>m</sub>	l/min	250	300	350	400	500	600	750	900	1000	1100			
A 80-170A B-A 80-170A	-	16				7,5	10	27,3	27,3	27	26,8	25,7	24,4	22,1	19	16,7	13,7		
										33,6	33,2	32,9	32,5	31,6	30,5	28,1	25,3	23,2	20,4

P<sub>1</sub> Maximum power input. P<sub>2</sub> Rated motor power output. H Total head in m. B-A, B-AM = Bronze construction. Tolerances according to ISO 9906, annex A.

### Self-priming Capability



H<sub>s</sub> (m) Suction lift.  
L (m) Horizontal length of suction pipe above the water level.  
t (min) Self-priming time.

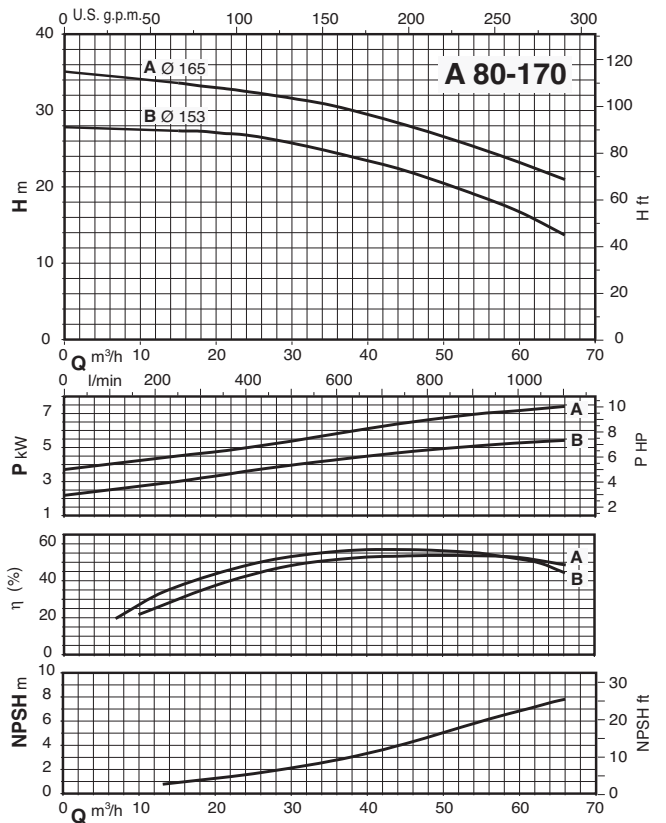
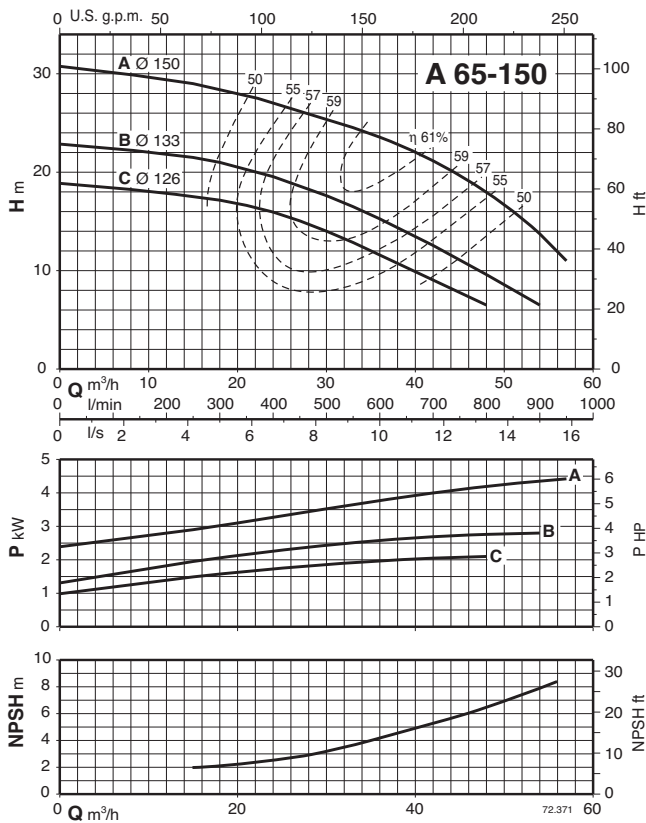
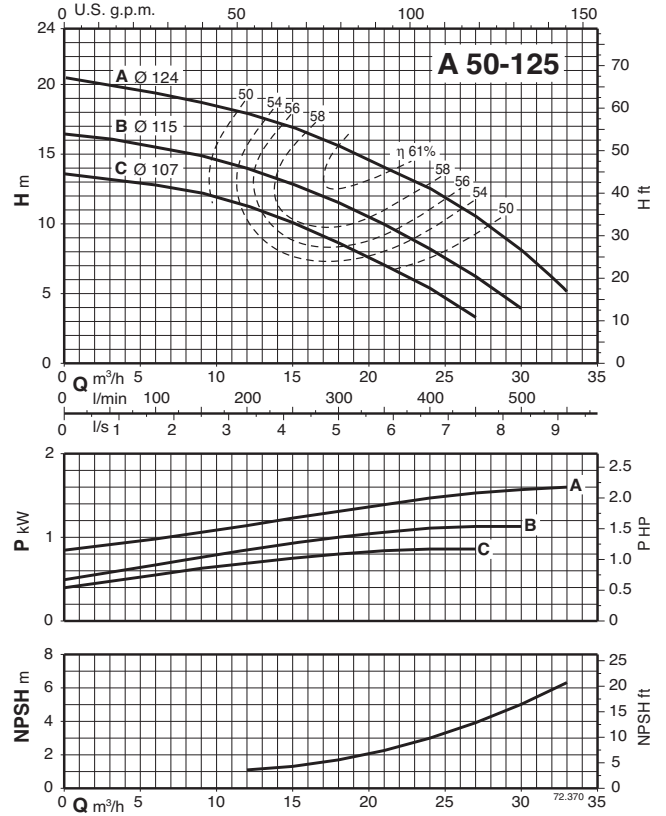
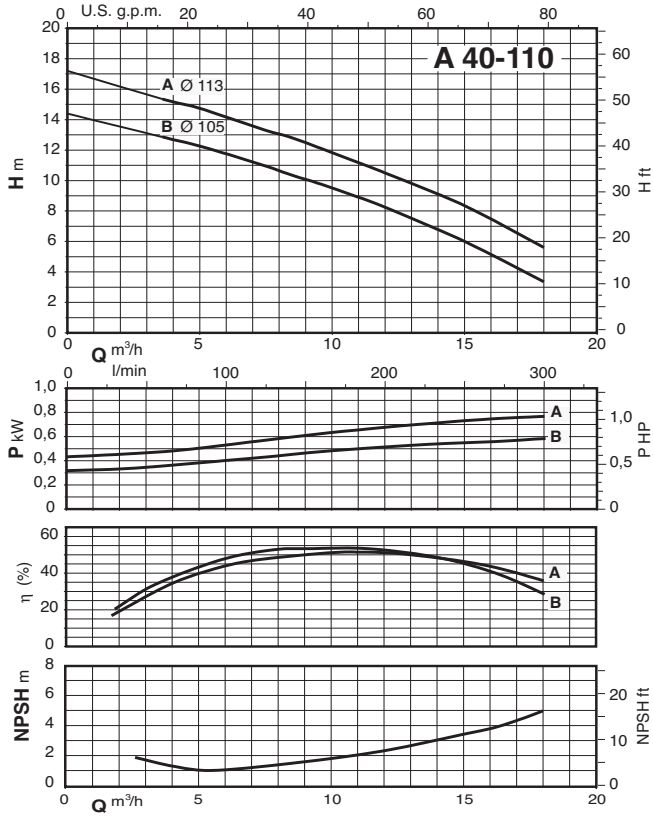


# Self-priming vortex trash pump

## GPS-A series



### Characteristic curves $n \approx 2900$ rpm

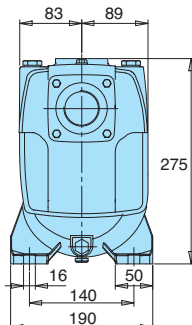
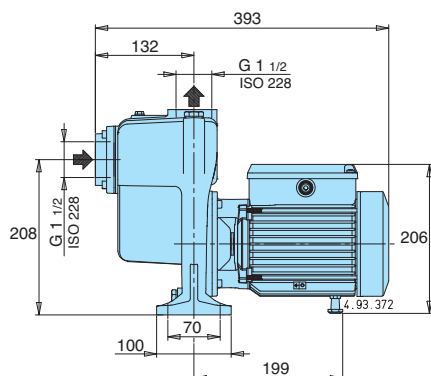


# Self-priming vortex trash pump

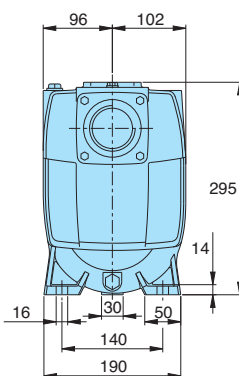
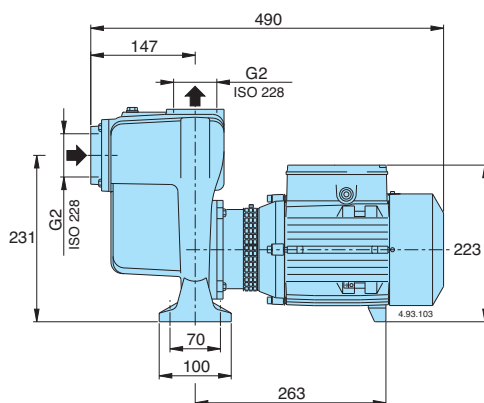
## GPS-A series



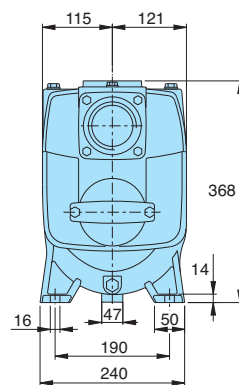
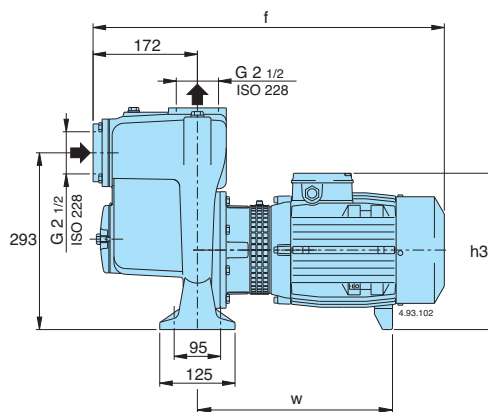
### Dimensions and weights



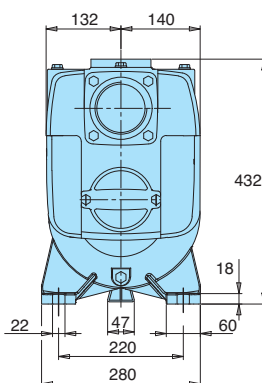
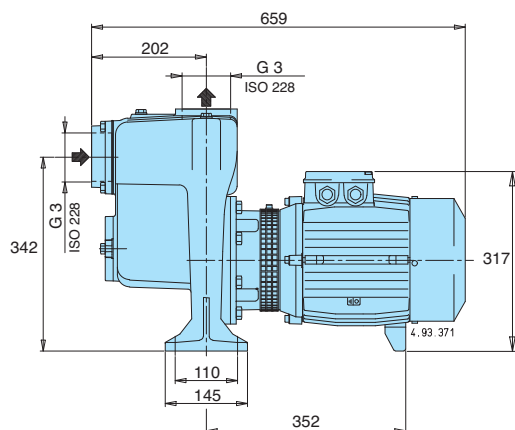
	kg
A 40-110A/A	19,8
AM 40-110A/A	20,8
A 40-110B/A	18,9
AM 40-110B/A	19,8
B-A 40-110A/A	22,5
B-AM 40-110A/A	23,5
B-A 40-110B/A	21,6
B-AM 40-110B/A	22,5



	kg
A 50-125AE	29,9
AM 50-125AE	31
A 50-125BE	28
AM 50-125BE	29,1
A 50-125CE	26,9
AM 50-125CE	27,8
B-A 50-125AE	33,6
B-AM 50-125AE	33,6
B-A 50-125BE	31
B-AM 50-125BE	32,6
B-A 50-125CE	29,6
B-AM 50-125CE	30,6



TYPE	mm			kg
	f	h3	w	
A 65-150C/A	595	260	324	53,8
B-A 65-150CE	543	260	279	47,5
A 65-150B/A	595	260	324	54
B-A 65-150BE	595	260	324	55,5
A 65-150A/A	595	260	324	58
B-A 65-150AE	595	260	324	59,5



	kg
A 80-170A	85,3
A 80-170B	79,3
B-A 80-170A	95,1
B-A 80-170B	89,1

# Vortex drainage pump

## GPS-EC series (medium duty)

### Application

Submersible drainage pumps with plunged back impeller  
Vortex type.

Suitable in civil and industrial water systems, for cesspool drainage with slightly dirty or foamy liquids, for oily waters and liquids screened by a grid to a suitable particle size.

### Operating conditions

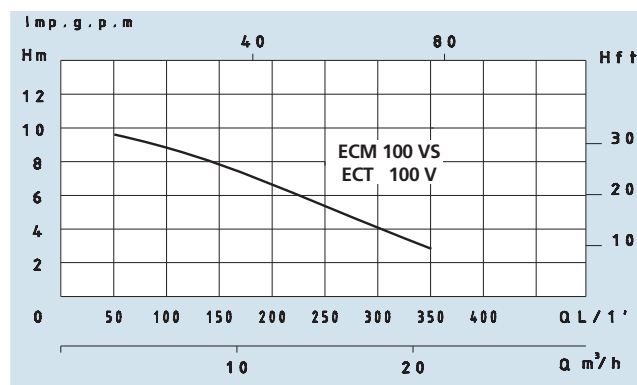
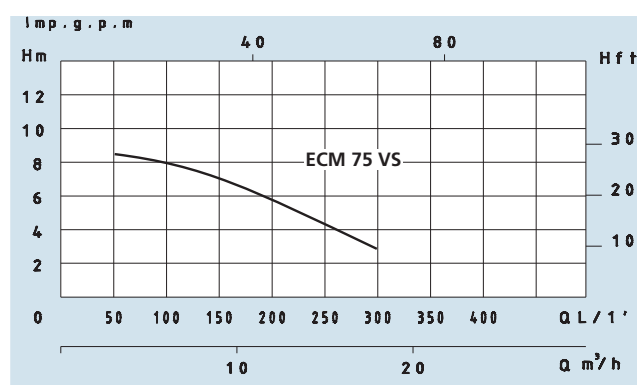
- Liquid temperature up to 35°C
- Submersion depth 20 mt.
- Grain size inlet  $\varnothing$  30 mm
- Min. suction level 100 mm
- Continuous duty

### Motor

- Insulation Class F
- Protection IP 68
- Thermic protection

### Materials

- Motor body Cast Iron
- Pump body Cast Iron
- Impeller Cast Iron
- Shaft with rotor Stainless Steel
- Mechanical seal Ceramic/Graphite  
(on request Silicon/Silicon)



### Technical Data

TIPO - TYPE		POTENZA NOMINALE NOMINAL POWER P2		POTENZA ASSORBITA INPUT POWER P1	AMPERE		Q = PORTATA - CAPACITY											
Monofase Single-phase	Trifase Three-phase	HP	kW	kW	Monofase Single-phase	Trifase Three-phase	m³/h	3	6	9	12	15	18	21	24	27	30	
230V-50Hz	230/400V-50Hz				1 x 230V	3 x 400V	lt/1'	50	100	150	200	250	300	350	400	450	500	
ECM 75 VS		0,75	0,55	0,9	4		Prevalenza manometrica totale in m.C.A. - Total head in meters w.c.											
ECM 100 VS	ECT 100 V	1	0,75	1,1	4,8	2,2	H (m)	8,5	8	7	5,5	4	3					
								9,5	9	8	6,5	5	4	3				

### Dimensions and weights

TIPO - TYPE		DIMENSIONI mm - DIMENSIONS mm						DIMENSIONI DIMENSIONS mm			Peso Weight
Monofase Single-phase	Trifase Three-phase	A	B	C	H	H1	DNM	P	L	H	Kg
ECM 75 VS		278	218	126	430	145	2"	230	300	490	19,5
ECM 100 VS	ECT 100 V	278	218	126	430	145	2"	230	300	490	20

# Vortex drainage pump

## GPS-SE series (medium duty)



### Application

Submersible drainage pumps with plunged back impeller Vortex type, which allows free passage of suspended parts. Suitable in civil and industrial water systems, for cesspool drainage with oily or chemical liquids, for dirty waters with solid and particularly fibrous particles and for zootechnical waste waters.



### Operating conditions

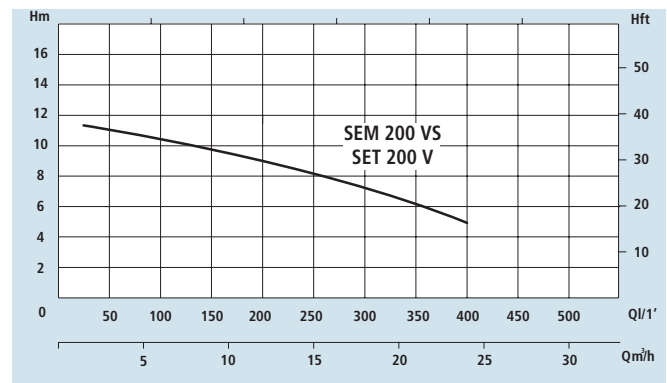
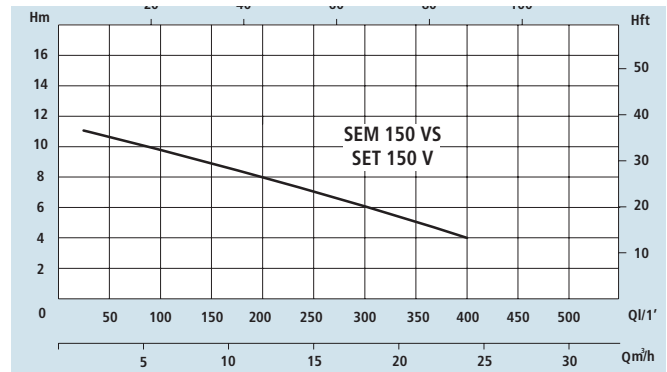
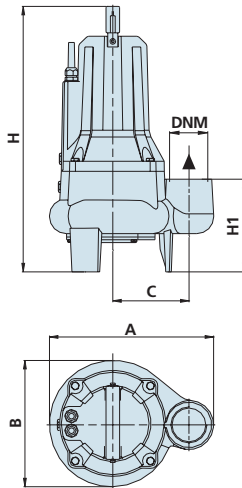
- Liquid temperature up to 35°C
- Submersion depth 20 mt.
- Grain size inlet Ø 40 mm
- Min. suction level 125 mm
- Continuous duty

### Motor

- Insulation Class F
- Protection IP 68
- Thermic protection

### Materials

- Motor body Cast Iron
- Pump body Cast Iron
- Impeller Cast Iron
- Shaft with rotor Stainless Steel
- Double mechanical seal  
Ceramic/Graphite + Silicon/Silicon



### Technical Data

TIPO - TYPE		POTENZA NOMINALE / POTENZA ASSORBITA			AMPERE		Q = PORTATA - CAPACITY										
Monofase Single-phase	Trifase Three-phase	NOMINAL POWER P2		INPUT POWER P1	Monofase Single-phase	Trifase Three-phase	Prevalenza manometrica totale in m.C.A. - Total head in meters w.c.										
		HP	kW				kW	m³/h	3	6	9	12	18	24	30	36	42
230V-50Hz	230/400V-50Hz				1 x 230V	3 x 400V	H	50	100	150	200	300	400	500	600	700	800
SEM 150 VS	SET 150 V	1,5	1,1	1,7	7,5	3,2	(m)	11	10	9	8	6	4				
SEM 200 VS	SET 200 V	2	1,5	1,9	8,5	3,5		11,5	11	10	9	7	5				

TIPO - TYPE		DIMENSIONI mm - DIMENSIONS mm							DIMENSIONI DIMENSIONS mm			Peso Weight
Monofase Single-phase	Trifase Three-phase	A	B	C	H	H1	DNM	Passaggio solidi (mm) Grain size inlet (mm)	P	L	H	Kg
SEM 150 VS	SET 150 V	292	250	135	473	165	2	fl 40	240	310	510	33
SEM 200 VS	SET 200 V	292	250	135	473	165	2	fl 40	240	310	510	34

# Grinder sewage pump

## GPS-RTL series (medium duty)



Alma Pompe

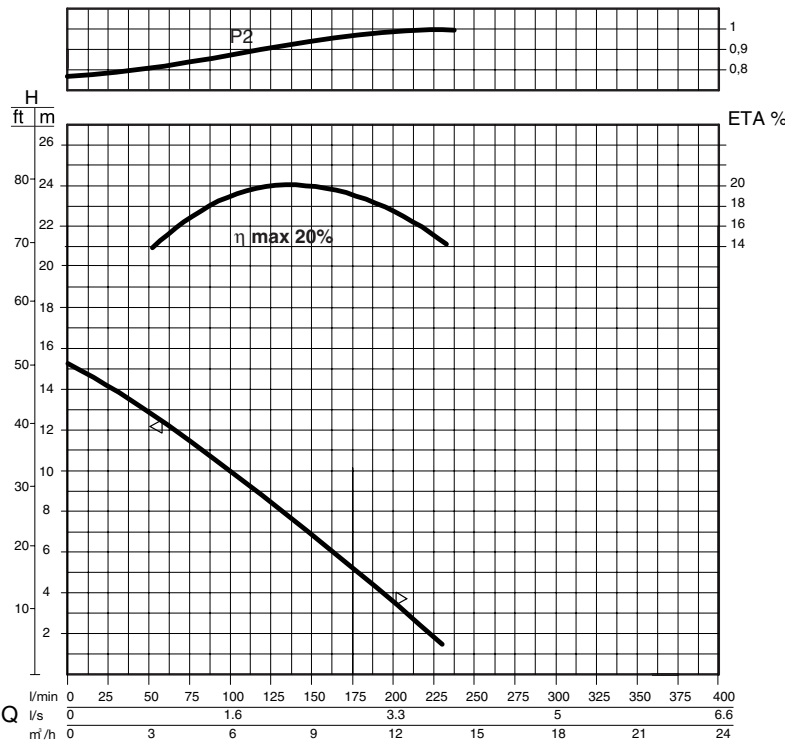
Pompa Tipo  
Pump Type  
Pompe Type



# RTL 2015-2M S/A



U.S. g.p.m. 0 20 40 60 80 100  
Imp. g.p.m. 0 20 40 60 80 100



Portata - Capacity - Débit																
l/min	0	25	50	62,5	75	87,5	100	112,5	125	137,5	150	160	175	187,5	200	225
l/s	0	0,4	0,8	1	1,3	1,5	1,6	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,8
m³/h	0	1,5	3	3,7	4,5	5,2	6	6,7	7,5	8,2	9	9,6	10,5	11,2	12	13,5
Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	15,2	14,1	12,9	12,2	11,4	10,8	10	9,2	8,5	7,6	6,9	6	5,2	4,4	3,6	1,9

**Q-H- UNI EN ISO 9906**  
 < Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 > Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

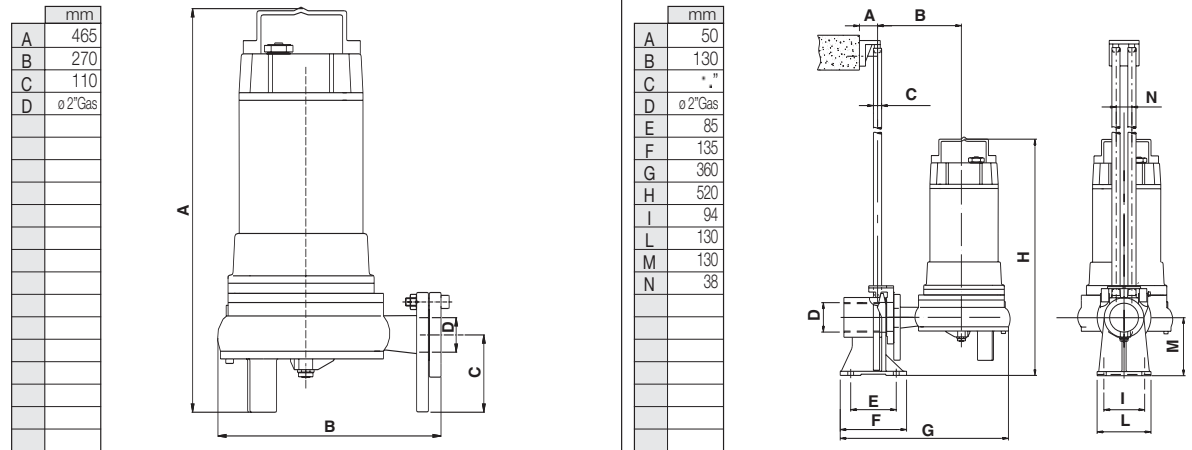
### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	133	118
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	10	10
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	5	5
Peso Weight Poids	[kg] [kg] [kg]	29	29

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	1,1	1,1
P1	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	1,35	1,35
P2	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	1	1
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendement hydraulique [%]	20	20
Alimentazione Phases Alimentation		1	1
Tensione Voltage Voltage	[V] [V] [V]	230±10%	230±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2820	3365
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	7	7
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	25	25
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,94	0,94

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement

Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Mise à jour éventuelles sans préavis

# Grinder sewage pump

## GPS-RTL series (medium duty)

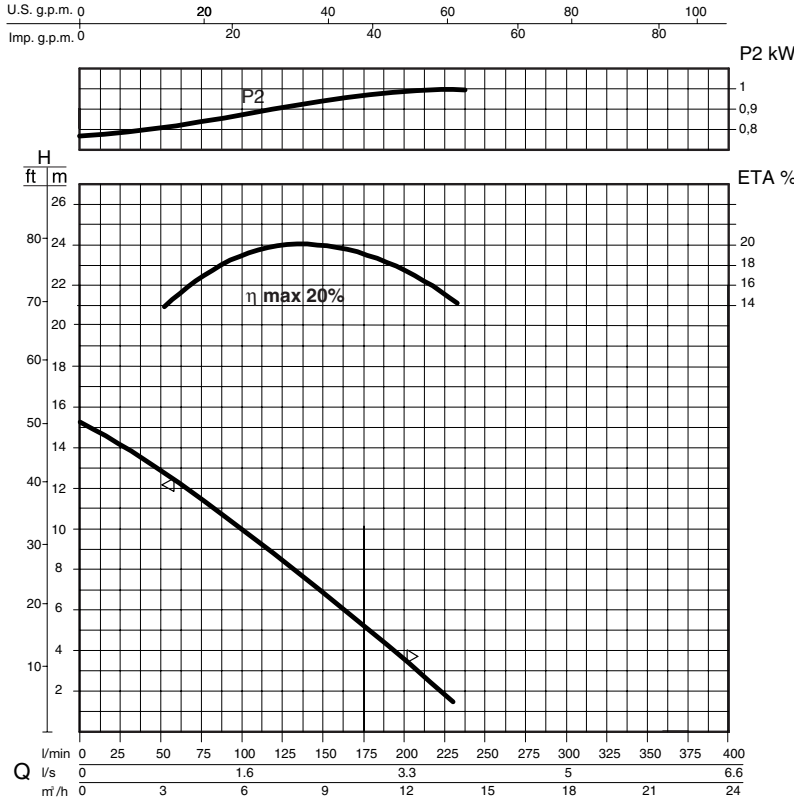


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# RTL 2015-2T



Portata - Capacity - Débit																
l/min	0	25	50	62,5	75	87,5	100	112,5	125	137,5	150	160	175	187,5	200	225
l/s	0	0,4	0,8	1	1,3	1,5	1,6	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,8
m³/h	0	1,5	3	3,7	4,5	5,2	6	6,7	7,5	8,2	9	9,6	10,5	11,2	12	13,5

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	15,2	14,1	12,9	12,2	11,4	10,8	10	9,2	8,5	7,6	6,9	6	5,2	4,4	3,6	1,9

**Q-H- UNI EN ISO 9906**  
 ▽ Δ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm³, vitesse mini.1m/s, même viscosité de l'eau.

### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

	[mm]	50 Hz	60 Hz
		Ø Girante Ø Impeller Ø Roue	133
Altezza pala girante Impeller blade height Hauteur palette de roue	10	10	
Ø Passaggio libero Ø Free passage Ø Passage intégral	5	5	
Peso Weight Poids	29	29	

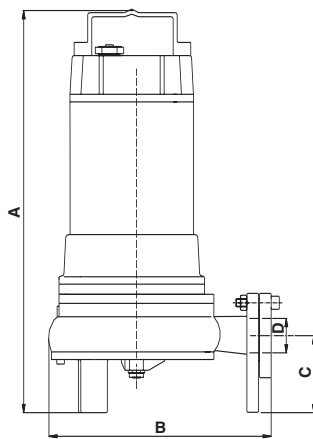
### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

	[kW]	50 Hz	60 Hz
		PN Potenza nominale Rated power Puissance nominale	1,1
P1 Potenza assorbita in rete Network absorbed power Puissance absorbée	1,38	1,38	
P2 Potenza all'asse Power at the motor shaft Puissance utile	1	1	
η Rendimento idraulico Hydraulic efficiency Rendement hydraulique	20	20	
Alimentazione Phases Alimentation	3	3	
Tensione Voltage Voltage	[V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz]	50	60
Giri/min RPM Tours/min		2840	3330
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A]	3	3
Condensatore Capacitor Condensateur	[µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ]	0,87	0,87

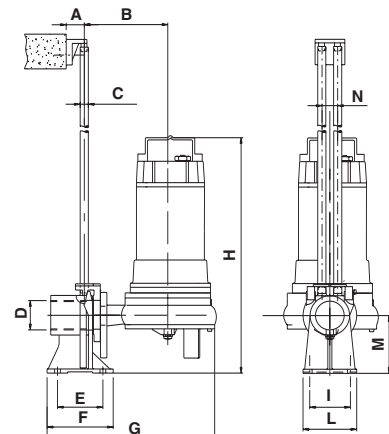
Possibili accorgimenti senza preavviso - Revision possible without prior notice - Mise à jour éventuelles sans préavis

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

	mm
A	465
B	270
C	110
D	Ø 2"Gas
E	
F	
G	
H	
I	
L	
M	
N	



	mm
A	50
B	130
C	" "
D	Ø 2"Gas
E	85
F	135
G	360
H	520
I	94
L	130
M	130
N	38



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement



# Grinder sewage pump

## GPS-RT series (heavy duty)

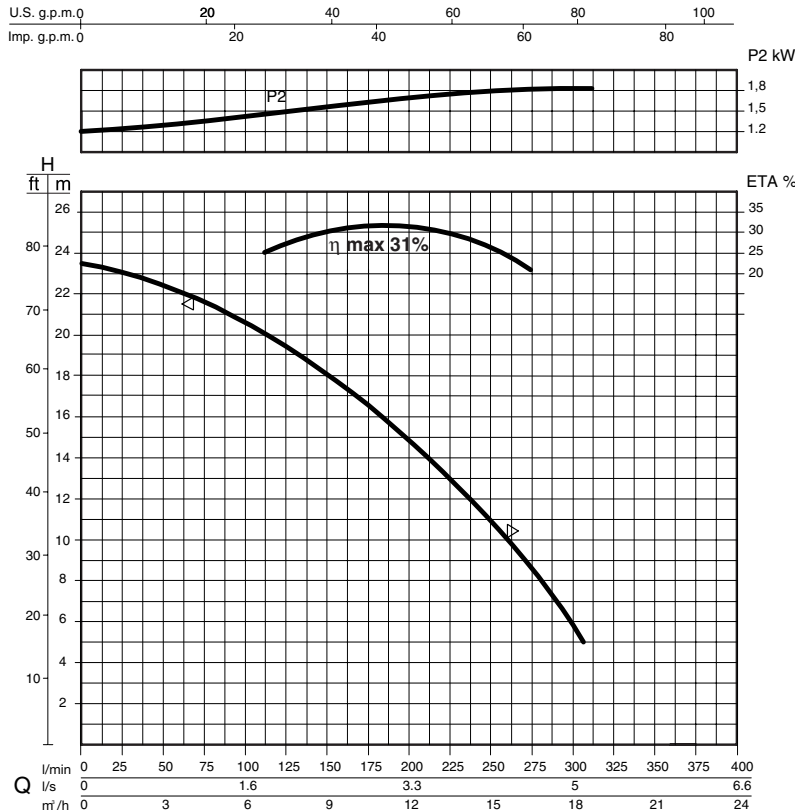


AlmaPompe

Pompa Tipo  
Pump Type  
Pompe Type



# RT 2025-2M S/A



### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
$\varnothing$ Girante $\varnothing$ Impeller $\varnothing$ Roue	[mm]	145	122
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm]	7	7
$\varnothing$ Passaggio libero $\varnothing$ Free passage $\varnothing$ Passage intégral	[mm]	5	5
Peso Weight Poids	[kg]	40	40

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puisissance nominale [kW]	1,8	1,8
P1	Potenza assorbita in rete [kW] Network absorbed power [kW] Puisissance absorbée [kW]	2,6	2,6
P2	Potenza all'asse [kW] Power at the motor shaft [kW] Puisissance utile [kW]	1,8	1,8
$\eta$	Rendimento idraulico [%] Hydraulic efficiency [%] Rendiment hydraulique [%]	31	31
Alimentazione Phases Alimentation		1	1
Tensione Voltage Voltage	[V] [V] [V]	230 $\pm$ 10%	230 $\pm$ 10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2810	3372
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	13	13
Condensatore Capacitor Condensateur	[ $\mu$ F] [ $\mu$ F] [ $\mu$ F]	30+50	30+50
Fattore di potenza Power factor Facteur de puissance	[COS $\phi$ ] [COS $\phi$ ] [COS $\phi$ ]	0,92	0,92

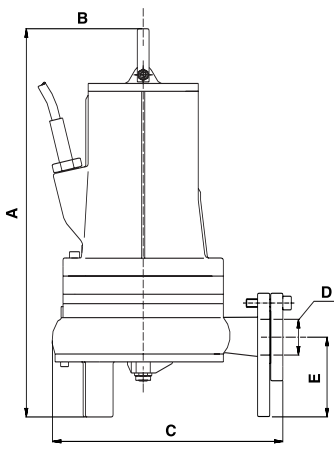
Portata - Capacity - Débit																
l/min	0	25	50	75	100	125	150	160	175	187,5	200	212,5	225	250	275	300
l/s	0	0,4	0,8	1,3	1,6	2,1	2,5	2,7	2,9	3,1	3,3	3,5	3,8	4,2	4,6	5
m <sup>3</sup> /h	0	1,5	3	4,5	6	7,5	9	9,6	10,5	11,2	12	12,7	13,5	15	16,5	18

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	23,5	23	22,3	21,6	20,6	19,4	18	17,3	16,5	15,8	14,8	14	13	11	8,6	5,7

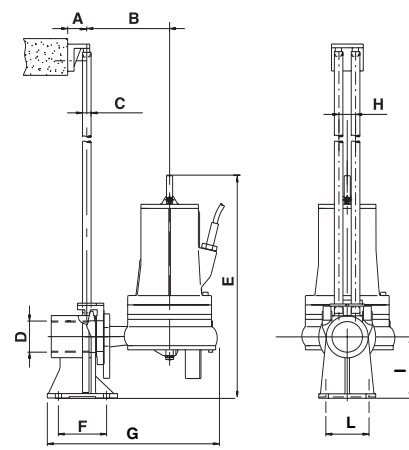
Q-H- UNI EN ISO 9906  
 ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm<sup>3</sup>, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm<sup>3</sup>, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm<sup>3</sup>, vitesse mini. 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

	mm
A	445
B	145
C	270
D	$\varnothing$ 2" Gas
E	110



	mm
A	50
B	160
C	$\varnothing$ 1"
D	$\varnothing$ 2"
E	540
F	85
G	410
H	38
I	130
L	94



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement

Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Mises à jour éventuelles sans préavis

# Grinder sewage pump

## GPS-RT series (heavy duty)

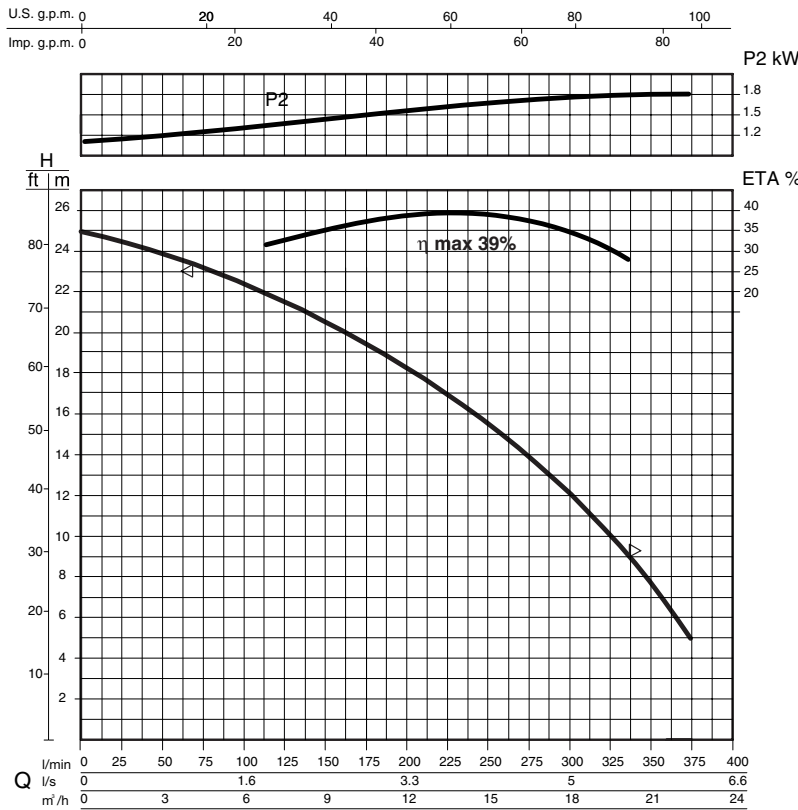


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# RT 2025-2T



### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	145	122
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	7	7
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	5	5
Peso Weight Poids	[kg] [kg] [kg]	40	40

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	1,8	1,8
P1	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	2,6	2,6
P2	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	1,8	1,8
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendement hydraulique [%]	39	39
Alimentazione Phases Alimentation		3	3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2830	3396
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	6,4	6,4
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,88	0,88

Portata - Capacity - Débit																
l/min	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375
l/s	0	0,4	0,8	1,3	1,6	2,1	2,5	2,9	3,3	3,8	4,2	4,6	5	5,4	5,8	6,3
m³/h	0	1,5	3	4,5	6	7,5	9	10,5	12	13,5	15	16,5	18	19,5	21	22,5

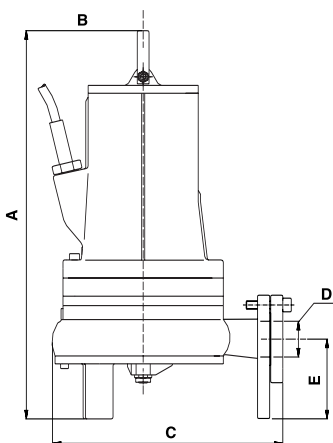
  

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	25	24,5	23,9	23,1	22,3	21,5	20,5	19,4	18,1	16,9	15,5	13,9	12	10	7,7	5

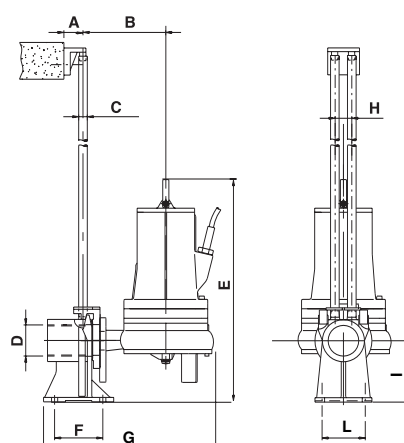
Q-H= UNI EN ISO 9906  
 Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

	mm
A	445
B	145
C	270
D	ø 2" Gas
E	110



	mm
A	50
B	160
C	ø 1.5"
D	ø 2"
E	540
F	85
G	410
H	38
I	130
L	94



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement

Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Mises à jour éventuelles sans préavis

# Vortex submersible pump

## GPS-RW series (heavy duty)

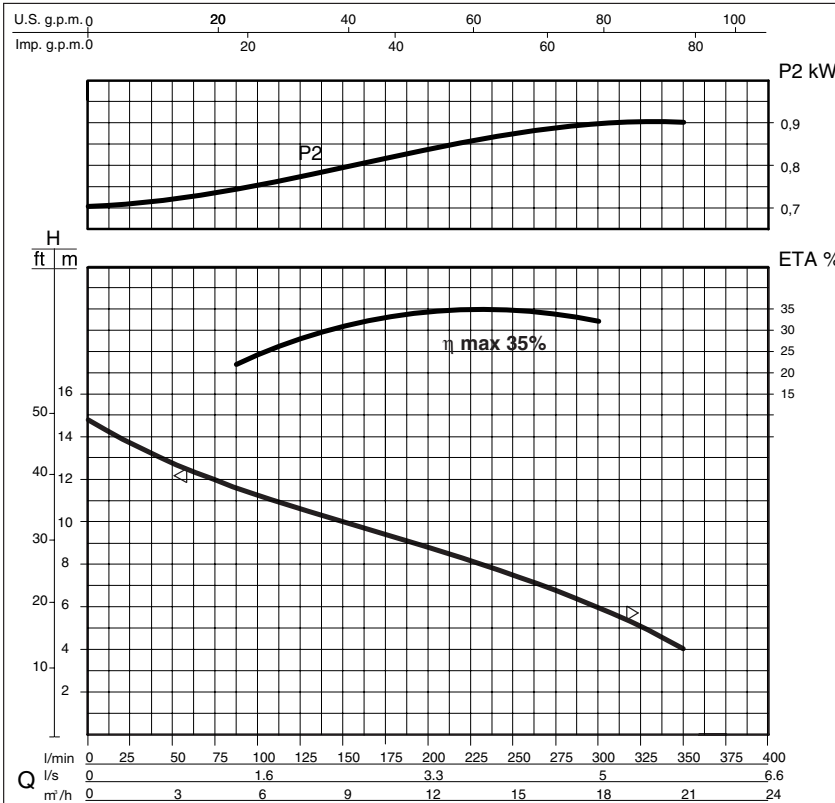


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



**RW 1512-2M S/A**  
**RW AD 1512-2MS**



DATI POMPA - PUMP DATA - DONNEES DE LA POMPE			
		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	126	110
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	7	7
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	38	38
Peso Weight Poids	[kg] [kg] [kg]	18	18

DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR			
		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	0,9	0,9
P <sub>1</sub>	Potenza assorbita in rete [kW] Netwok absorbed power [kW] Puissance absorbée [kW]	1,3	1,3
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	0,9	0,9
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendiment hydraulique [%]	35	35
Alimentazione Phases Alimentation		1	1
Tensione Voltage Voltage	[V] [V] [V]	230±10%	230±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2830	3396
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	6,5	6,5
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	25	25
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,97	0,97

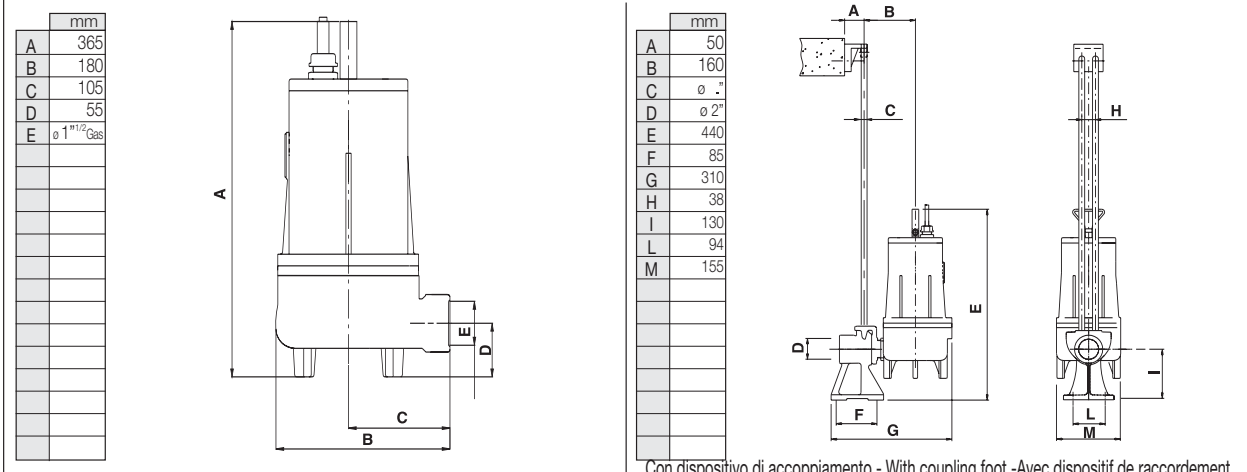
Portata - Capacity - Débit																
l/min	0	25	50	75	100	125	150	175	200	225	237,5	250	275	300	325	350
l/s	0	0,4	0,8	1,3	1,6	2,1	2,5	2,9	3,3	3,8	4	4,2	4,6	5	5,4	5,8
m <sup>3</sup> /h	0	1,5	3	4,5	6	7,5	9	10,5	12	13,5	14,2	15	16,5	18	19,5	21

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	14,8	13,8	12,8	12	11,3	10,6	10	9,4	8,9	8,1	7,9	7,5	6,8	6	5	4

**Q-H- UNI EN ISO 9906**  
 ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm<sup>3</sup>, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm<sup>3</sup>, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm<sup>3</sup>, vitesse mini.1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement

Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Mises à jour éventuelles sans préavis





# Vortex submersible pump

## GPS-RW series (heavy duty)

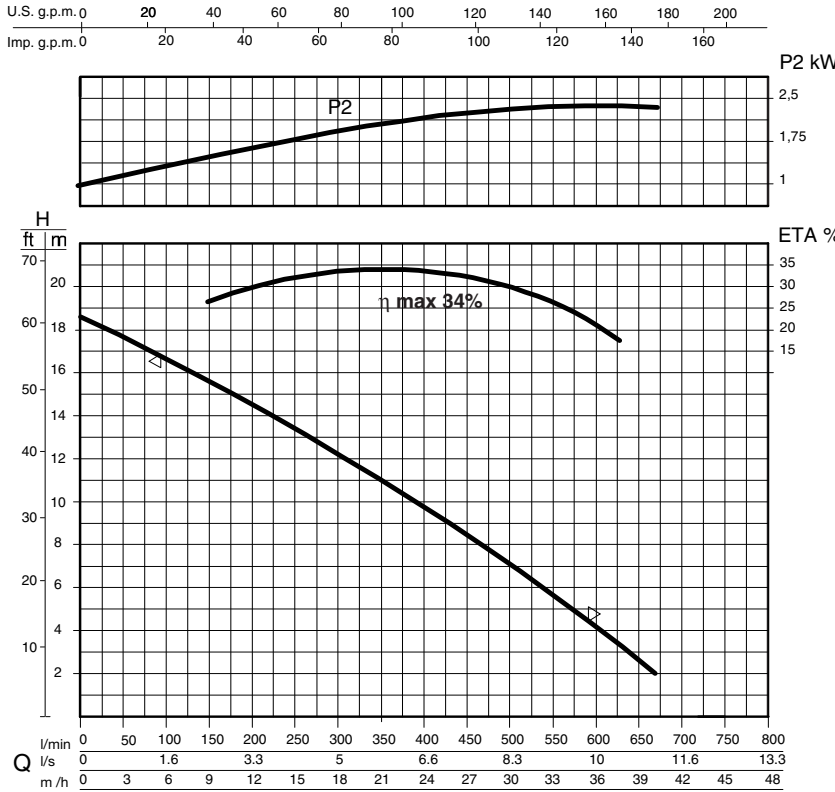


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



**RW 2030-2T**  
**RW AD 2030-2T**



### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	159	145
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	16	16
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	42	42
Peso Weight Poids	[kg] [kg] [kg]	34	34

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	2,2	2,2
P <sub>1</sub>	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	3,1	3,1
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	2,1	2,1
$\eta$	Rendimento idraulico [%] Hydraulic efficiency [%] Rendement hydraulique [%]	34	34
Alimentazione Phases Alimentation		3	3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2800	3360
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	5,5	5,5
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COS $\phi$ ] [COS $\phi$ ] [COS $\phi$ ]	0,89	0,89

### Portata - Capacity - Débit

l/min	0	50	100	150	200	250	300	325	350	375	400	450	500	550	600	650
l/s	0	0,8	1,6	2,5	3,3	4,2	5	5,4	5,8	6,3	6,6	7,5	8,3	9,2	10	10,8
m <sup>3</sup> /h	0	3	6	9	12	15	18	19,5	21	22,5	24	27	30	33	36	39

### Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m

m	18,5	17,7	16,6	15,6	14,5	13,4	12,2	11,7	11	10,4	9,8	8,4	7	5,6	4,1	2,7
---	------	------	------	------	------	------	------	------	----	------	-----	-----	---	-----	-----	-----

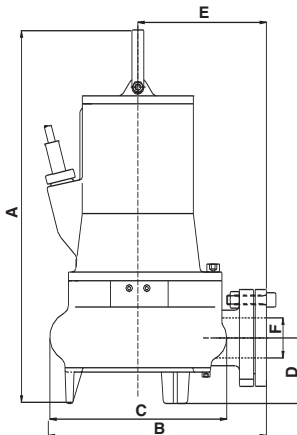
### Q-H- UNI EN ISO 9906

△ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
▽ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

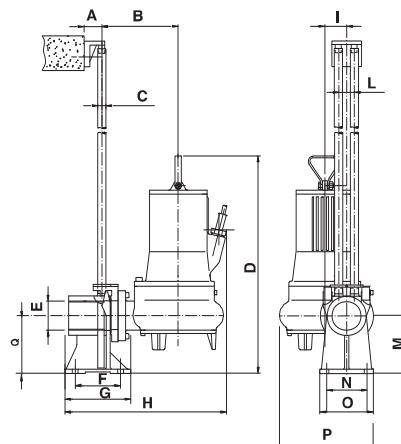
Le curve si riferiscono a liquidi con densità 1 kg/dm<sup>3</sup>, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm<sup>3</sup>, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm<sup>3</sup>, vitesse mini. 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

	mm
A	457
B	300
C	220
D	88
E	178
F	Ø 2" Gas



	mm
A	80
B	180
C	Ø 3/4"
D	509
E	Ø 2"
F	110
G	150
H	410
I	75
L	38
M	140
N	100
O	130
P	246
Q	140



Con dispositivo di accoppiamento - With coupling foot - Avec dispositif de raccordement





# Vortex submersible pump

## GPS-RW series (medium duty)

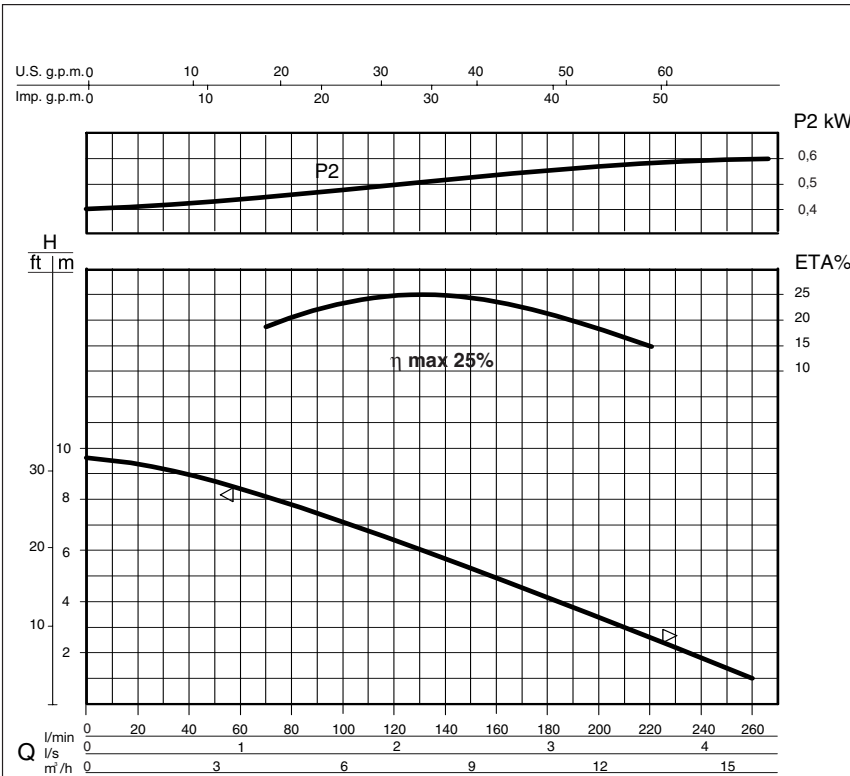


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# JOKER 06-2MA



DATI POMPA - PUMP DATA - DONNEES DE LA POMPE			
		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	116	105
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	17	10
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	30	30
Peso Weight Poids	[kg] [kg] [kg]	15,5	15,5

DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR			
		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	0,55	0,55
P <sub>1</sub>	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	0,9	0,9
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	0,58	0,58
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendiment hydraulique [%]	25	25
Alimentazione Phases Alimentation		1	1
Tensione Voltage Voltage	[V] [V] [V]	230±10%	230±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2800	3360
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	4,6	4,6
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	16	16
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,94	0,94

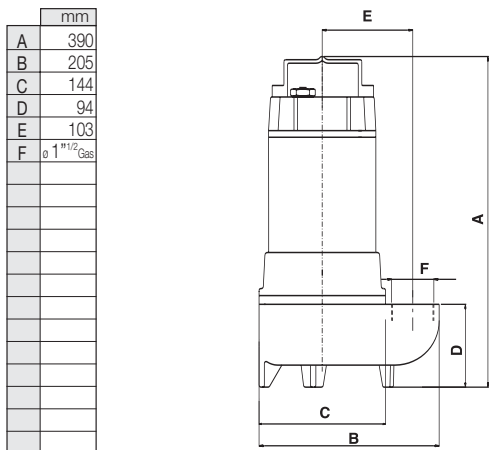
Portata - Capacity - Débit																
l/min	0	20	40	60	80	100	120	140	150	160	170	180	200	220	240	260
l/s	0	0,3	0,7	1	1,3	1,6	2	2,3	2,5	2,7	2,8	3	3,3	3,7	4	4,3
m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9	9,6	10,2	10,8	12	13,2	14,4	15,6

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	9,8	9,3	8,9	8,4	7,8	7,1	6,4	5,8	5,4	5	4,5	4,1	3,4	2,6	1,9	1

Q-H= UNI EN ISO 9906  
 ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation  
 ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent  
 Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
 Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
 Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



# Drainage contractors pump

## GPS-DIG series (heavy duty)

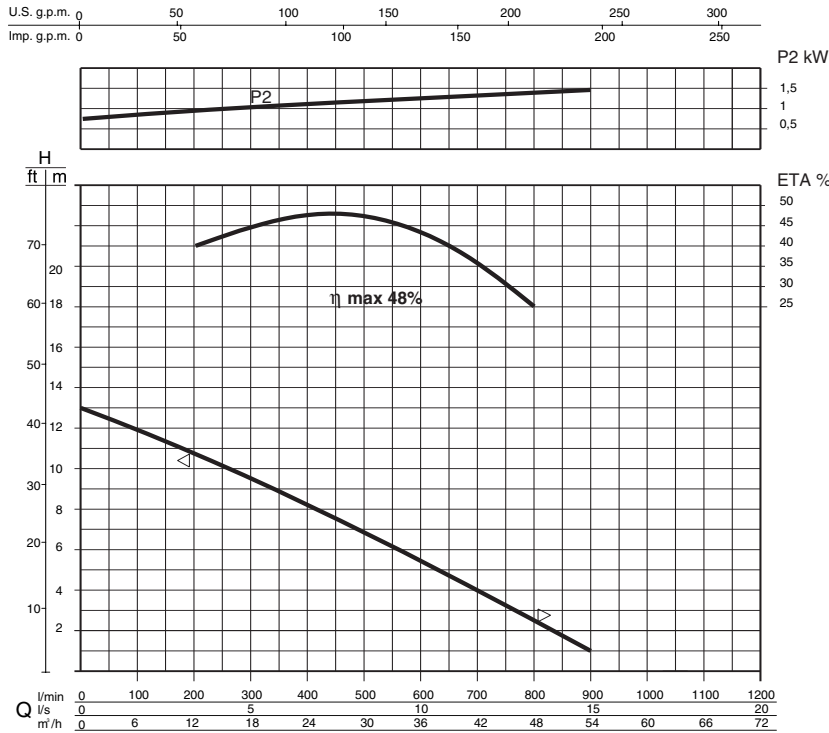


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# DIG 11 M S/A



### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	118	106
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	13	13
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	3	3
Peso Weight Poids	[kg] [kg] [kg]	34	34

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	1,1	1,1
P <sub>1</sub>	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	1,6	1,6
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	1,3	1,3
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendiment hydraulique [%]	48	48
Alimentazione Phases Alimentation		1	1
Tensione Voltage Voltage	[V] [V] [V]	230±10%	230±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2820	3400
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	7,4	7,4
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	25	25
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,92	0,92

PORTATA - CAPACITY - DEBIT																
l/min	0	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900
l/s	0	1,0	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0
m <sup>3</sup> /h	0	4	7	11	14	18	22	25	29	32	36	40	43	47	50	54

Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	13	12,4	11,5	11	10,2	9,5	8,5	7,7	7	6,2	5,5	4,8	3,5	2,6	2	1

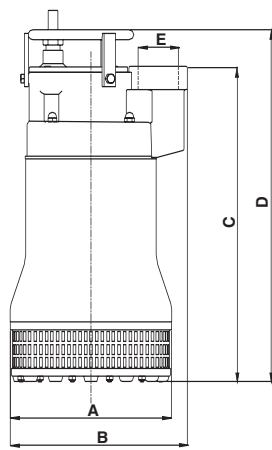
### Q-H= UNI EN ISO 9906

- ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation
- ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

Le curve si riferiscono a liquidi con densità 1 kg/dm<sup>3</sup>, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm<sup>3</sup>, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm<sup>3</sup>, vitesse mini.1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT

	mm
A	250
B	270
C	480
D	530
E	Ø 2" NPT Gas



# Drainage contractors pump

## GPS-DIG series (heavy duty)

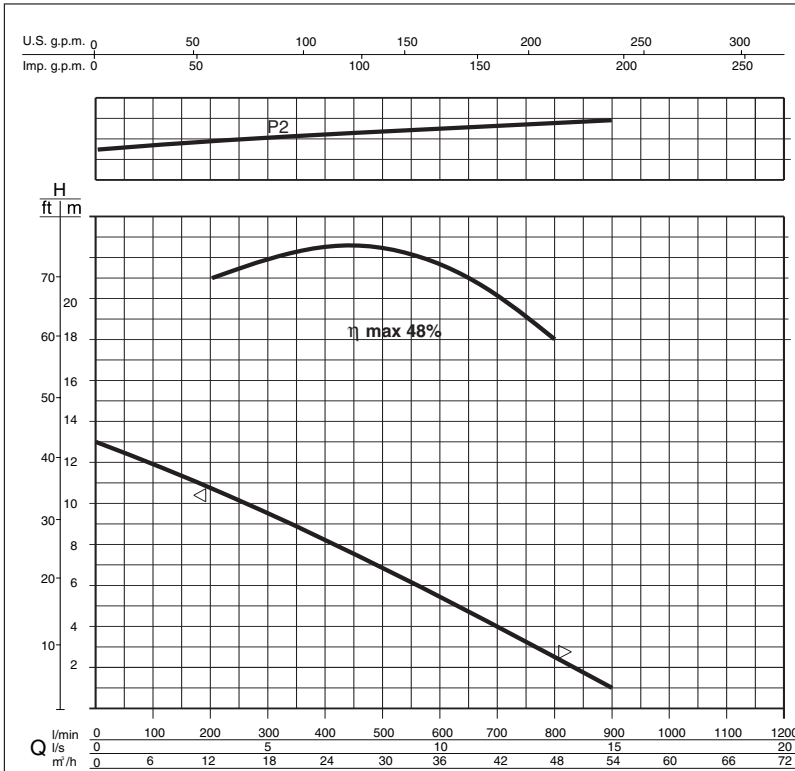


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# DIG 11 T



P2 kW  
1,5  
1  
0,5  
ETA %  
50  
45  
40  
35  
30  
25

DATI POMPA - PUMP DATA - DONNEES DE LA POMPE			
		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	118	106
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	13	13
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	3	3
Peso Weight Poids	[kg] [kg] [kg]	34	34

DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR			
		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	1,1	1,1
P <sub>1</sub>	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	1,7	1,7
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	1,3	1,3
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendement hydraulique [%]	48	48
Alimentazione Phases Alimentation		3	3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2850	3390
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	3	3
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,8	0,8

### PORTATA - CAPACITY - DEBIT

l/min	0	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900
l/s	0	1,0	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0
m³/h	0	4	7	11	14	18	22	25	29	32	36	40	43	47	50	54

### Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m

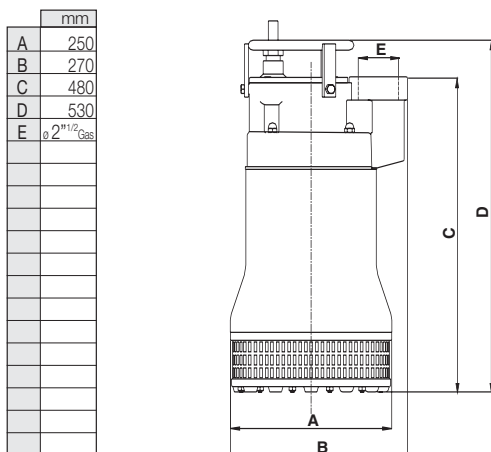
m	13	12,4	11,5	11	10,2	9,5	8,5	7,7	7	6,2	5,5	4,8	3,5	2,6	2	1
---	----	------	------	----	------	-----	-----	-----	---	-----	-----	-----	-----	-----	---	---

### Q-H: UNI EN ISO 9906

- ▷ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation
- ▷ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm³, vitesse mini 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Mises à jour éventuelles sans préavis

# Drainage contractors pump

## GPS-DIG series (heavy duty)

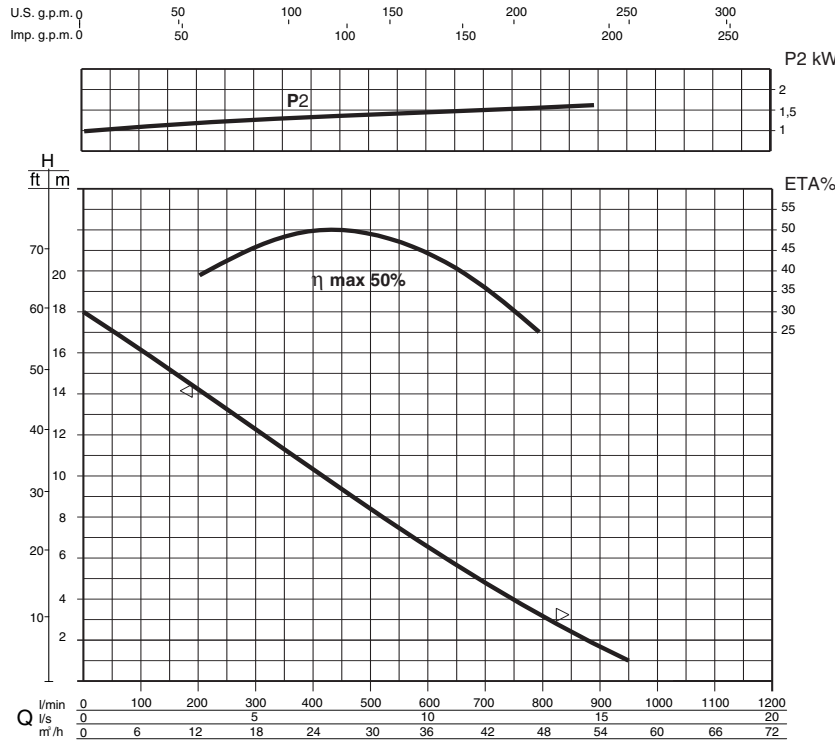


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# DIG 15 T



PORTATA - CAPACITY - DEBIT																
l/min	0	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900
l/s	0	1,0	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0
m³/h	0	4	7	11	14	18	22	25	29	32	36	40	43	47	50	54
Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	18	16,9	15,6	14,5	13,3	12,4	11	10	8,6	7,5	6,5	5,7	4,6	3,4	2,5	1,7

Q-H= UNI EN ISO 9906

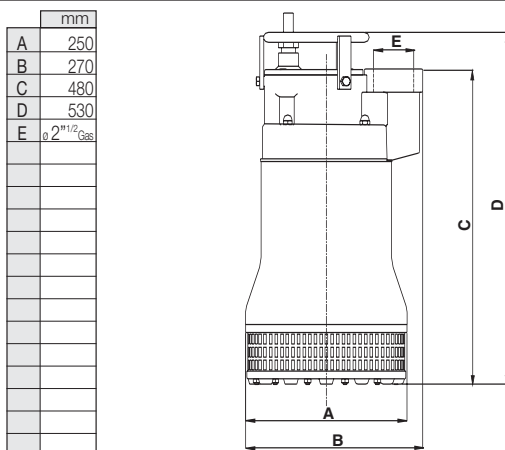
- ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation
- ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

DATI POMPA - PUMP DATA - DONNEES DE LA POMPE			
		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	130	118
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	13	13
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	3	3
Peso Weight Poids	[kg] [kg] [kg]	35	35

DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR			
		50 Hz	60 Hz
PN	Potenza nominale Rated power Puissance nominale	[kW] [kW] [kW]	1,5 1,5
P <sub>1</sub>	Potenza assorbita in rete Network absorbed power Puissance absorbée	[kW] [kW] [kW]	1,9 1,9
P <sub>2</sub>	Potenza all'asse Power at the motor shaft Puissance utile	[kW] [kW] [kW]	1,6 1,6
η	Rendimento idraulico Hydraulic efficiency Rendiment hydraulique	[%] [%] [%]	50 50
Alimentazione Phases Alimentation		3	3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2820	3360
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	3,6	3,6
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,84	0,84

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



# Drainage contractors pump

## GPS-DIG series (heavy duty)

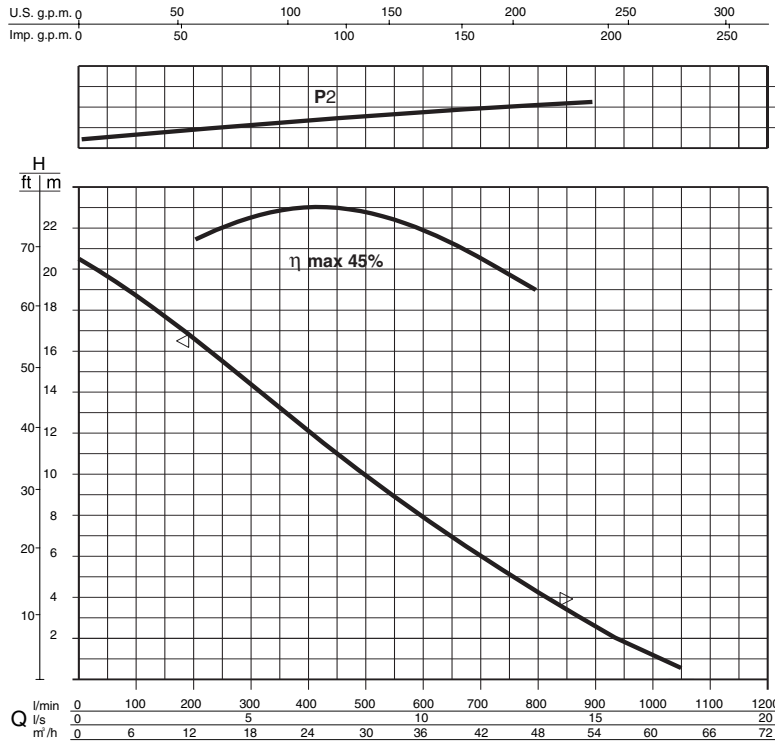


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# DIG 18 T



### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	144	130
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	13	13
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	3	3
Peso Weight Poids	[kg] [kg] [kg]	36	36

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale [kW] Rated power [kW] Puissance nominale [kW]	1,8	1,8
P <sub>1</sub>	Potenza assorbita in rete [kW] Network absorbed power [kW] Puissance absorbée [kW]	2,5	2,5
P <sub>2</sub>	Potenza all'asse [kW] Power at the motor shaft [kW] Puissance utile [kW]	2,1	2,1
η	Rendimento idraulico [%] Hydraulic efficiency [%] Rendiment hydraulique [%]	45	45
Alimentazione Phases Alimentation		3	3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50	60
Giri/min RPM Tours/min		2860	3400
Poli Poles Pôles		2	2
Corrente nominale Rated current Intensité	[A] [A] [A]	4,5	4,5
Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,82	0,82

### PORTATA - CAPACITY - DEBIT

l/min	0	70	140	210	280	350	420	490	560	630	700	770	840	910	980	1050
l/s	0	1,2	2,3	3,5	4,7	5,8	7,0	8,2	9,3	10,5	11,7	12,8	14,0	15,2	16,3	17,5
m³/h	0	4	8	13	17	21	25	29	34	38	42	46	50	55	59	63

### Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m

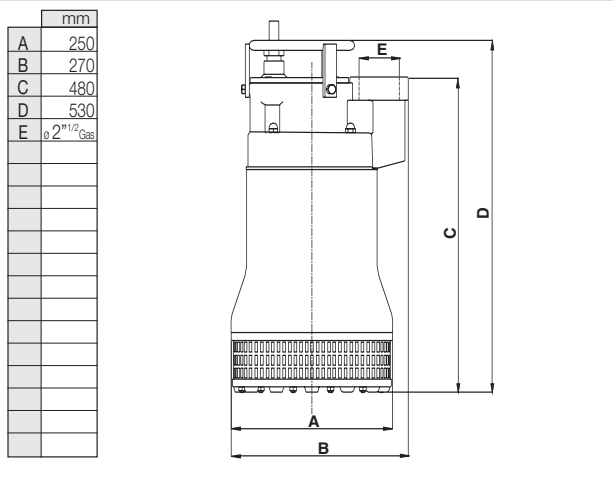
m	20,7	19	17,5	16,3	14,5	13,3	11,5	10,2	8,8	7,5	6	4,5	3,3	2,5	1,2	0,8
---	------	----	------	------	------	------	------	------	-----	-----	---	-----	-----	-----	-----	-----

### Q-H= UNI EN ISO 9906

- ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation
- ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT



Possibili aggiornamenti senza preavviso - Revision possible without prior notice - Misses à jour éventuelles sans préavis

# Drainage contractors pump

## GPS-DIG series (heavy duty)

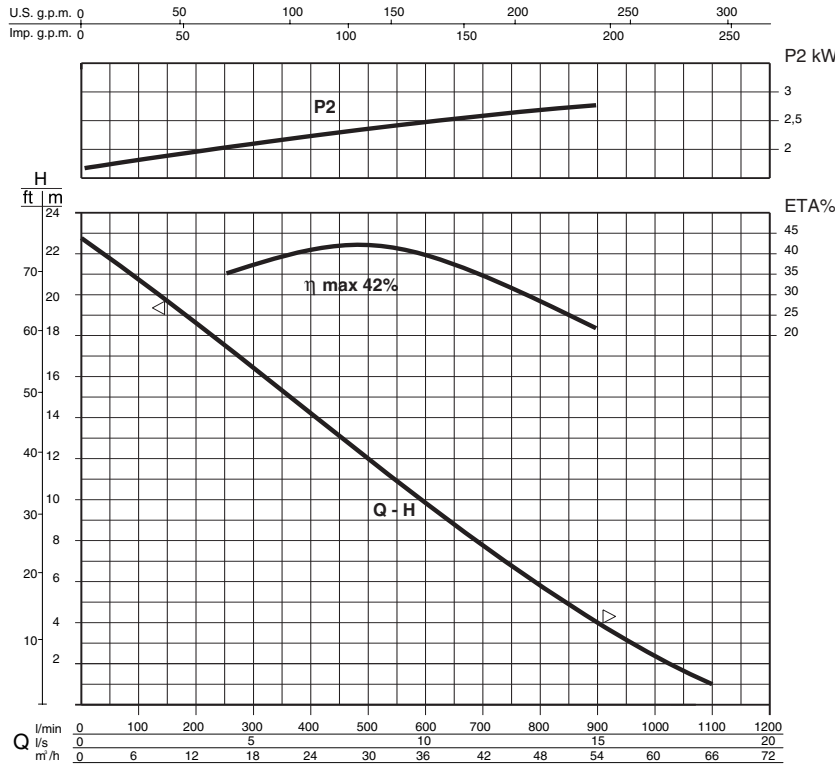


Alma Pompe

Pompa Tipo  
Pump Type  
Pompe Type



# DIG 22 T



Possibili aggiustamenti senza preavviso - Revision possible without prior notice - Misses à jour éventuelles sans préavis

PORTATA - CAPACITY - DEBIT																
l/min	0	70	140	210	280	350	420	490	560	630	700	770	840	910	980	1050
l/s	0	1,2	2,3	3,5	4,7	5,8	7,0	8,2	9,3	10,5	11,7	12,8	14,0	15,2	16,3	17,5
m³/h	0	4	8	13	17	21	25	29	34	38	42	46	50	55	59	63
Prevalenza manometrica totale in m - Total manometric head in m - Hauteur manométrique totale en m																
m	23	21	19,7	18,4	16,7	15,3	13,8	12,1	10,8	9	7,8	6,5	5,5	3,8	2,4	1,8

### Q-H- UNI EN ISO 9906

- ⚠ Rischio sedimentazione - Sedimentation risk - Risque de sédimentation
- ⚠ Funzionamento intermittente - Intermittent running - Fonctionnement intermittent

Le curve si riferiscono a liquidi con densità 1 kg/dm³, con velocità non inferiore a 1 m/s e viscosità pari a quella dell'acqua.  
Curves established for liquids density 1kg/dm³, with velocity not less than 1m/s and same viscosity as water.  
Courbes établies pour liquides densité 1kg/dm³, vitesse mini. 1m/s, même viscosité de l'eau.

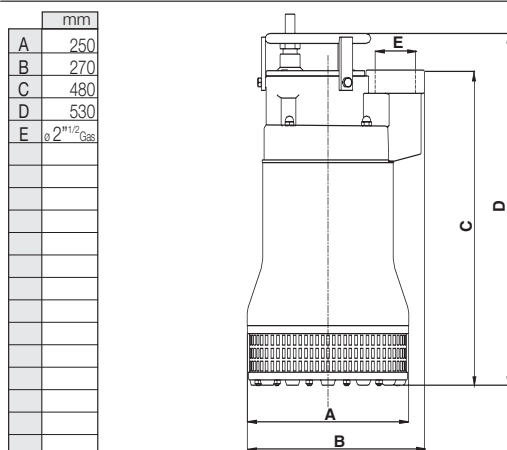
### DATI POMPA - PUMP DATA - DONNEES DE LA POMPE

		50 Hz	60 Hz
Ø Girante Ø Impeller Ø Roue	[mm] [mm] [mm]	156	144
Altezza pala girante Impeller blade height Hauteur palette de roue	[mm] [mm] [mm]	13	13
Ø Passaggio libero Ø Free passage Ø Passage intégral	[mm] [mm] [mm]	3	3
Peso Weight Poids	[kg] [kg] [kg]	37	37

### DATI MOTORE - MOTOR DATA - DONNEES DU MOTEUR

		50 Hz	60 Hz
PN	Potenza nominale Rated power	[kW] [kW]	2,2
	Puissance nominale	[kW]	2,2
P <sub>1</sub>	Potenza assorbita in rete Network absorbed power	[kW] [kW]	3,5
	Puissance absorbée	[kW]	3,5
P <sub>2</sub>	Potenza all'asse Power at the motor shaft	[kW] [kW]	2,8
	Puissance utile	[kW]	2,8
η	Rendimento idraulico Hydraulic efficiency	[%] [%]	42
	Rendiment hydraulique	[%]	42
Alimentazione Phases Alimentation			3
Tensione Voltage Voltage	[V] [V] [V]	400±10%	400±10%
	Frequenza Frequency Fréquence	[Hz] [Hz] [Hz]	50
Giri/min RPM Tours/min			2850
			3370
Poli Poles Pôles			2
			2
Corrente nominale Rated current Intensité	[A] [A] [A]	6,2	6,2
	Condensatore Capacitor Condensateur	[µF] [µF] [µF]	-
Fattore di potenza Power factor Facteur de puissance	[COSφ] [COSφ] [COSφ]	0,84	0,84

### DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS D'ENCOMBREMENT





**GLOBAL PUMP SOLUTIONS**