



POMP  IRECT

grindex

Submersible heavy-duty pumps for construction,
tunnelling, mining and other demanding industries



Drainage pumps:

- Minex
- Minette
- Minor
- Major
- Master
- Matador

- Master SH
- Maxi
- Magnum

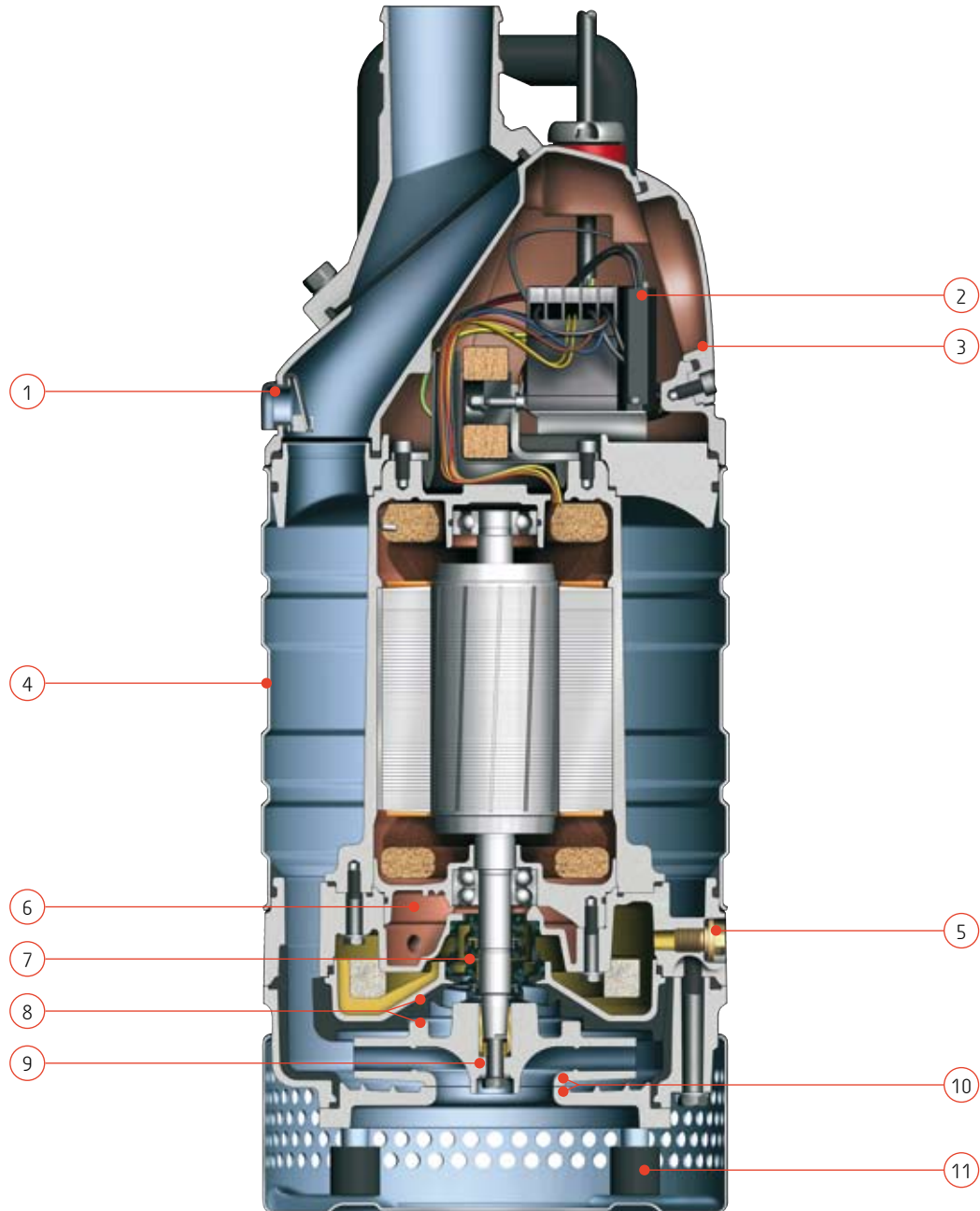
Sludge pumps:

- Salvador
- Senior
- Sandy

50 Hz



This is what makes our drainage pumps unique

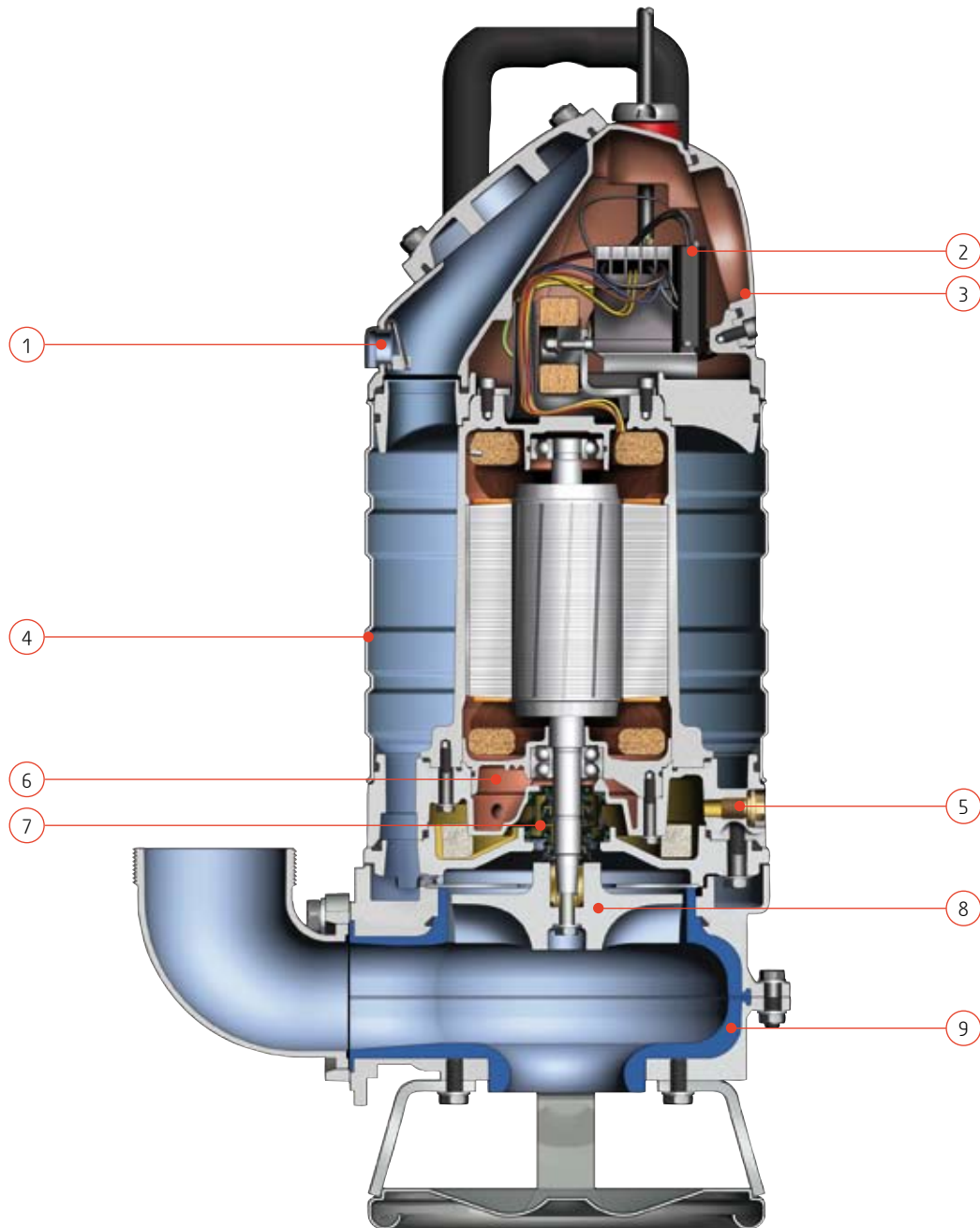


MINEX - MATADOR

- | | | |
|---|--|---|
| 1 Air valve
Cools the pump should it run dry | 5 External oil plug
Easier to check and change oil | 9 Single adjustment screw
Easy to adjust the impeller for optimal performance |
| 2 SMART motor protection
Protects the pump from damage caused by different power failures | 6 Inspection chamber
Provides early indication of seal problem | 10 Wear Protector system
Provides better wear resistance |
| 3 Inspection cover
For easy inspection of electrical components | 7 Cartridge seal
Pre-assembled, faster and easier to mount | 11 Rubber shock absorbers
Gives superior impact protection |
| 4 Outer casing in corrugated stainless steel
Handles rough treatment | 8 Seal Saver system
Reduces seal wear | |



This is what makes our sludge pumps unique



SALVADOR – SANDY

- | | | |
|---|---|---|
| 1 Air valve
Cools the pump should it run dry | 4 Outer casing in corrugated stainless steel
Can handle rough treatment | 7 Cartridge seal
Pre-assembled, faster and easier to mount |
| 2 SMART motor protection
Protects the pump from damage caused by different power failures | 5 External oil plug
Easier to check and change oil | 8 Vortex impeller
Clog resistant |
| 3 Inspection cover
For easy inspection of electrical components | 6 Inspection chamber
Provides early indication of seal problem | 9 Polyurethane lined pump housing
Provides better wear resistance |

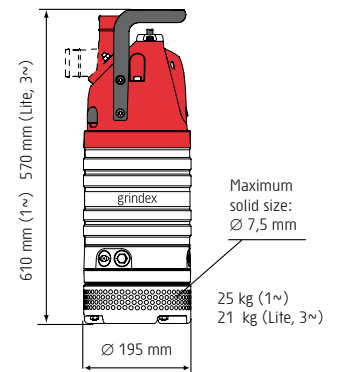
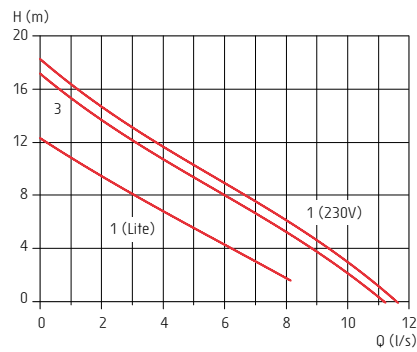


DRAINAGE PUMPS: MINEX - MINOR

MINEX

Technical data

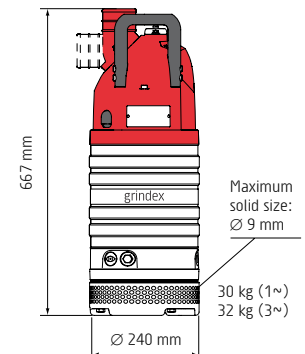
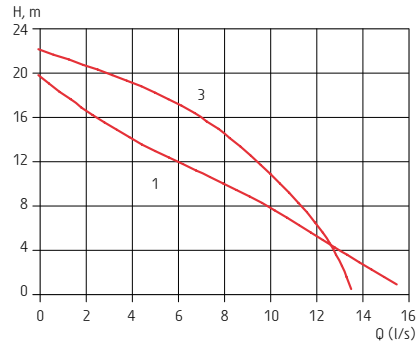
Phase	1 (Lite)	1	3
Discharge connection	2"	2"	2"
Rated output	0,85 kW	1,3 kW	1,2 kW
Max power consumption	1,2 kW	1,7 kW	1,6 kW
Shaft speed	2755 RPM	2860 RPM	2760 RPM
Rated current at 230 V	5,1 A	7,2 A	-
Rated current at 400 V	-	-	2,7 A



MINETTE

Technical data

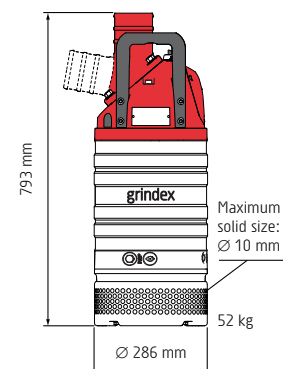
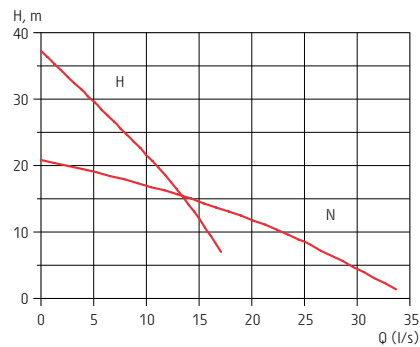
Phase	1	3
Discharge connection	3"	3"
Rated output	1,5 kW	2,2 kW
Max power consumption	1,9 kW	2,7 kW
Shaft speed	2800 RPM	2800 RPM
Rated current at 230 V	8,4 A	-
Rated current at 400 V	-	4,7 A



MINOR

Technical data

	N	H
Discharge connection	4"	3"
Rated output	3,7 kW	3,7 kW
Max power consumption	4,5 kW	4,5 kW
Shaft speed	2870 RPM	2870 RPM
Rated current at 400 V	7,3 A	7,3 A
Rated current at 500 V	6,0 A	6,0 A



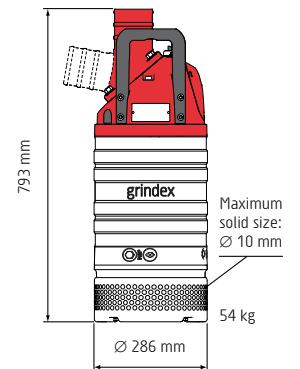
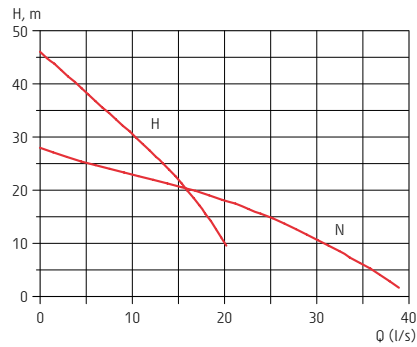


DRAINAGE PUMPS: MAJOR – MATADOR

MAJOR

Technical data

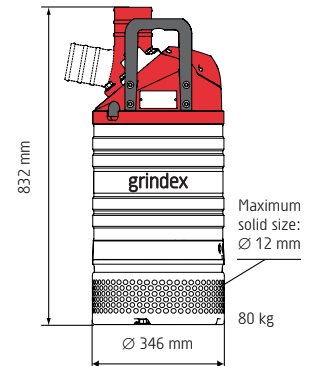
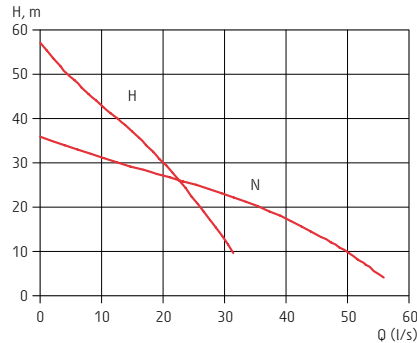
	N	H
Discharge connection	4"	3"
Rated output	5,6 kW	5,6 kW
Max power consumption	6,7 kW	6,7 kW
Shaft speed	2890 RPM	2890 RPM
Rated current at 400 V	11 A	11 A
Rated current at 500 V	8,7 A	8,7 A



MASTER

Technical data

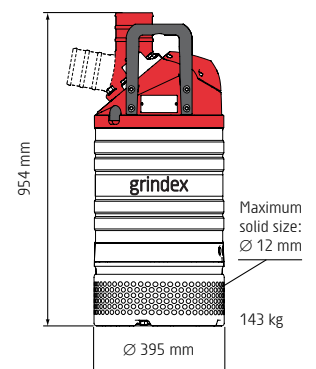
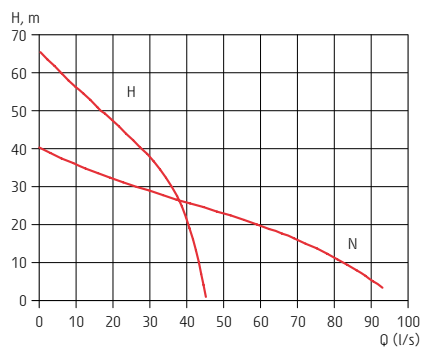
	N	H
Discharge connection	6"	4"
Rated output	10 kW	10 kW
Max power consumption	11,7 kW	11,7 kW
Shaft speed	2860 RPM	2860 RPM
Rated current at 400 V	19 A	19 A
Rated current at 500 V	15 A	15 A



MATADOR

Technical data

	N	H
Discharge connection	6"	4"
Rated output	18 kW	18 kW
Max power consumption	20 kW	20 kW
Shaft speed	2900 RPM	2900 RPM
Rated current at 400 V	32 A	32 A
Rated current at 500 V	26 A	26 A



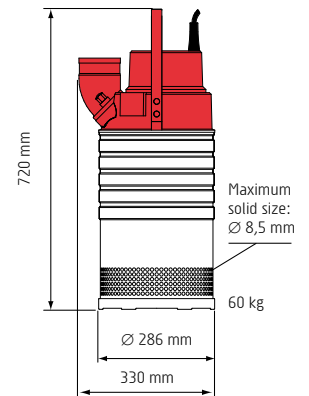
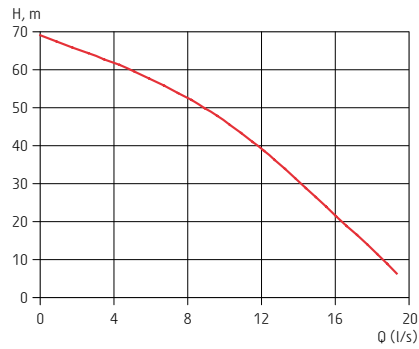


DRAINAGE PUMPS: MASTER SH - MAGNUM

MASTER SH

Technical data

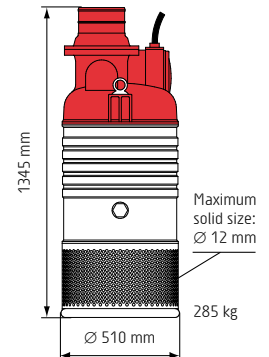
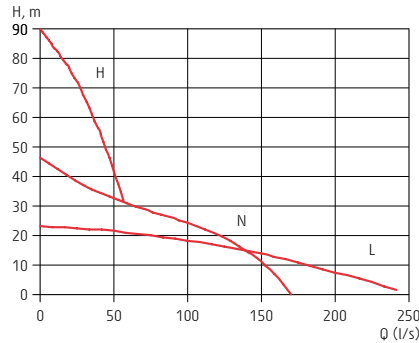
Discharge connection	3"
Rated output	8,8 kW
Max power consumption	10,2 kW
Shaft speed	2835 RPM
Rated current at 400 V	16 A
Rated current at 500 V	13 A



MAXI

Technical data

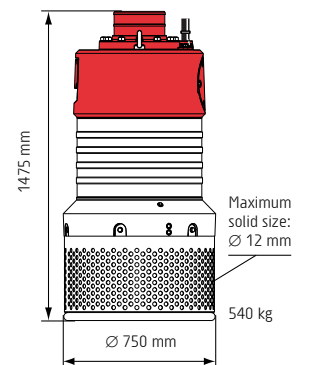
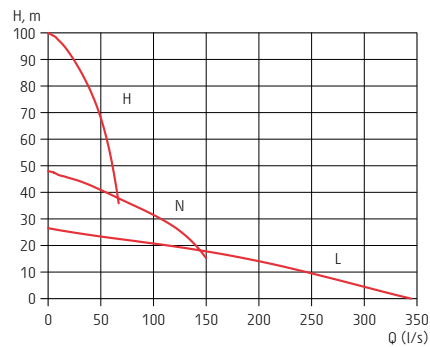
	L	N	H
Discharge connection	8"	8"	4"
Rated output	30 kW	37 kW	37 kW
Max power consumption	33 kW	41 kW	41 kW
Shaft speed	1465 RPM	2950 RPM	2950 RPM
Rated current at 400 V	56 A	65 A	65 A
Rated current at 500 V	45 A	52 A	52 A



MAGNUM

Technical data

	L	N	H
Discharge connection	10"	8"	6"
Rated output	57 kW	57 kW	57 kW
Max power consumption	62 kW	62 kW	64 kW
Shaft speed	1475 RPM	1475 RPM	2950 RPM
Rated current at 400 V	107 A	107 A	98 A
Rated current at 500 V	85 A	85 A	79 A

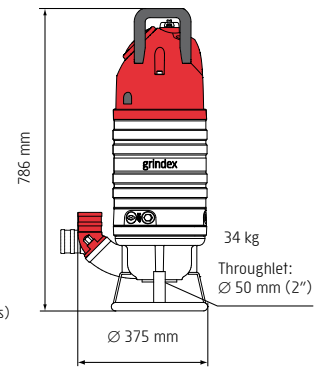
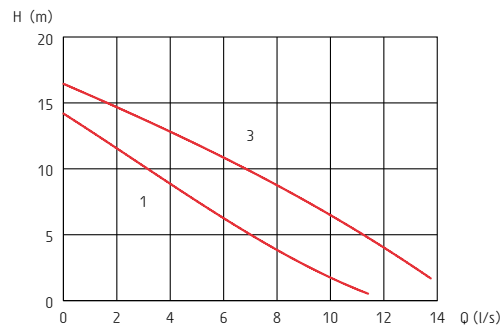




SLUDGE PUMPS: SALVADOR – SANDY

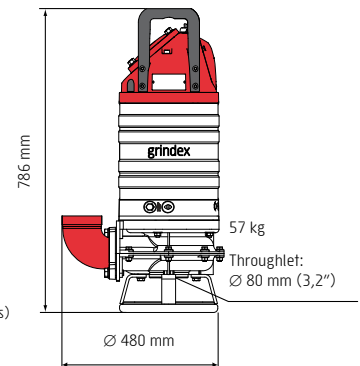
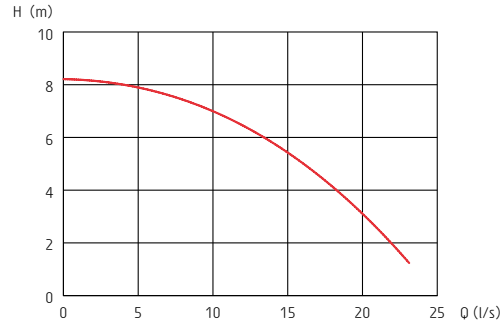
SALVADOR

Technical data		
	1	3
Phase	1	3
Discharge connection	3"	3"
Rated output	1,5 kW	2.2 kW
Max power consumption	1,9 kW	2,7 kW
Shaft speed	2800 RPM	2800 RPM
Rated current at 230 V	8,4 A	-
Rated current at 400 V	-	4,7 A



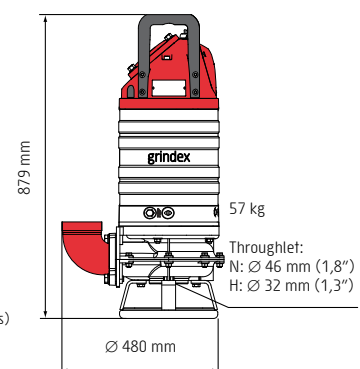
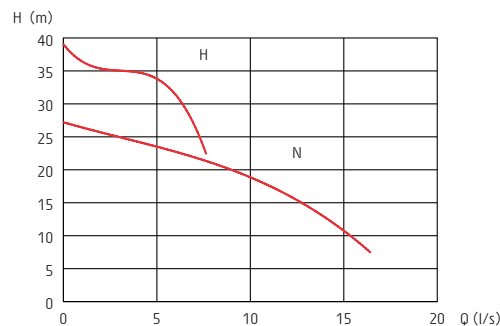
SENIOR

Technical data	
Discharge connection	4"
Rated output	3,2 kW
Max power consumption	4,2 kW
Shaft speed	1480 RPM
Rated current at 400 V	7,6 A
Rated current at 500 V	6,0 A



SANDY

Technical data		
	N	H
Discharge connection	3"	3"
Rated output	5,6 kW	5,6 kW
Max power consumption	6,7 kW	6,7 kW
Shaft speed	2890 RPM	2890 RPM
Rated current at 400 V	11 A	11 A
Rated current at 500 V	8,7 A	8,7 A





Technical data

DRAINAGE PUMPS

Accessories

Zinc anodes Low suction collar
Float switch Tandem connection

(Not all accessories are available for all pump models)

Shaft seals

Cartridge seal (Minex-Matador, not including Master SH). Double mechanical shaft seals with oil compartment between the seals. Pre-assembled.

Material lower seal:

- Tungsten carbide - tungsten carbide (Minex-Magnum, not including Master SH)
- Silicon carbide - silicon carbide (Master SH)

Material upper seal:

- Tungsten carbide - ceramic (Minex, Minette)
- Tungsten carbide - tungsten carbide (Minor, Major, Master, Matador)
- Carbon - silicon carbide (Master SH)
- Carbon - cemented carbide (Maxi)
- Cemented carbide - cemented carbide (Magnum)

Materials

Casted parts: Aluminum

Outer casing: Stainless steel

Stator housing:

- Stainless steel (Minex, Minette)
- Aluminum (Minor, Major, Master, Maxi, Magnum)
- Cast iron (Matador)

Motor shaft: Stainless steel

Impeller: High chrome alloyed white cast iron

Suction cover: High chrome cast iron

Diffusers: Nitrile rubber (Maxi, Magnum: Polyurethane)

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Water specifications

Max. submersion depth: 20 m (66 ft)

Max. liquid temperature: 40° (104°F)

Max. liquid density: 1100 kg/m³ (68 lbs/ft³)

pH of the liquid: 5-8

Specifications can be changed without notice.

SLUDGE PUMPS

Accessories

Zinc anodes
Float switch

(Not all accessories are available for all pump models)

Shaft seals

Cartridge seal (new pumps). Double mechanical shaft seals with oil compartment between the seals. Pre-assembled.

Material lower seal:

- Tungsten carbide - tungsten carbide

Material upper seal:

- Tungsten carbide - tungsten carbide
- Tungsten carbide - ceramic (Salvador)

Materials

Casted parts: Aluminum

Outer casing: Stainless steel

Stator housing:

- Stainless steel (Salvador)
- Aluminum (Senior, Sandy)

Motor shaft: Stainless steel

Impeller: High chrome alloyed white cast iron

Pump housing: Polyurethane

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Water specifications

Max. submersion depth: 20 m (66 ft)

Max. liquid temperature: 40° (104°F)

Max. liquid density: 1100 kg/m³ (68 lbs/ft³)

pH of the liquid: 5-8

Specifications can be changed without notice.

