



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



**Drainage pumps:**

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

- Master SH
- Maxi
- Magnum

**Sludge pumps:**

- Salvador
- Senior
- Sandy

60 Hz



## Spend less per gpm pumped

Just like our pumps spend most of their life hidden below the water surface, the greater part of total pumping cost is usually also hidden. In most cases, installation, operation and servicing costs easily outweigh the cost of acquisition. Let our pumps drain water, not your wallet.

### Pump Unique features



**Installing**  
Plug and pump



**Operation**  
Lasting performance



**Checking**  
Avoid costly repairs



**Easy maintenance**  
Service one service all



## Translating user requirements into product features

After some 50 years of designing and manufacturing submersible electrical dewatering pumps and listening to the customers, Grindex now offers a completely new generation of drainage and sludge pumps.

The nine new pumps in the range have an output of 2-27 HP and cover almost any application within building and construction, mining, quarries and tunneling as well as municipal and other demanding industries. The new pumps are designed to dramatically reduce operational costs.

### They offer all the benefits you have come to expect from Grindex pumps:

- Reliability thanks to:
  - Air valve that cools the pump should it run dry.
  - SMART motor protection system, protects the pump from damage caused by different power failures.
- All in the head:
  - Built-in start equipment in almost all pumps, no need of external start equipment.

### On top of that, we have added some new features:

- New hydraulic design:
  - Several solutions that minimize wear, makes the pumps at least three times more wear resistant.
- Fewer components:
  - Makes inspection and service faster, easier and less expensive.
- Ergonomic design:
  - Simplifies the pump handling.

### Grindex – Trouble-free dewatering



**Air valve**  
Cools the pump should it run dry



**Wear Protector system**  
Provides better wear resistance



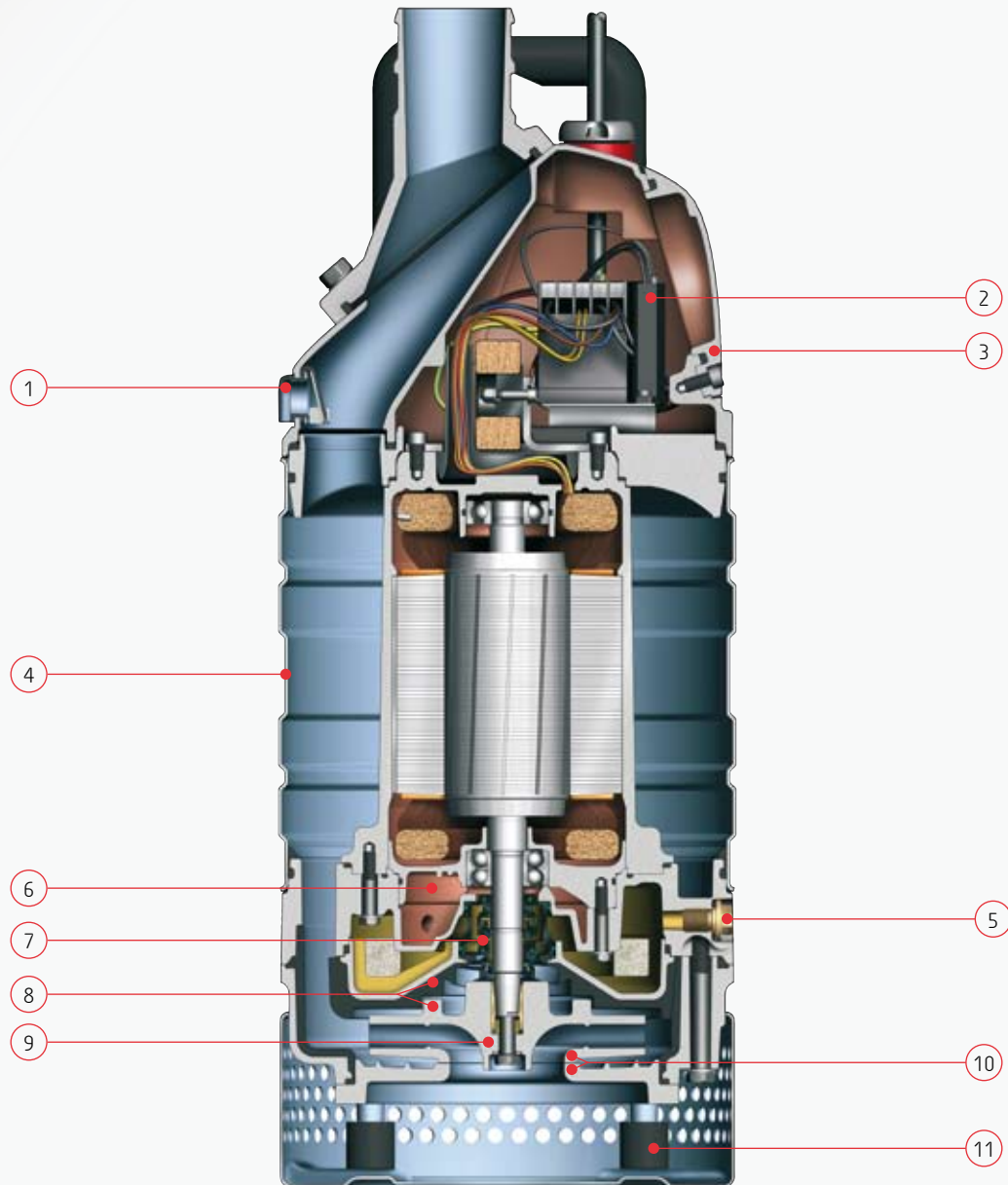
**Built-in start equipment**  
Plug and pump



**Easy to service**  
Lasting performance



## This is what makes our drainage pumps unique

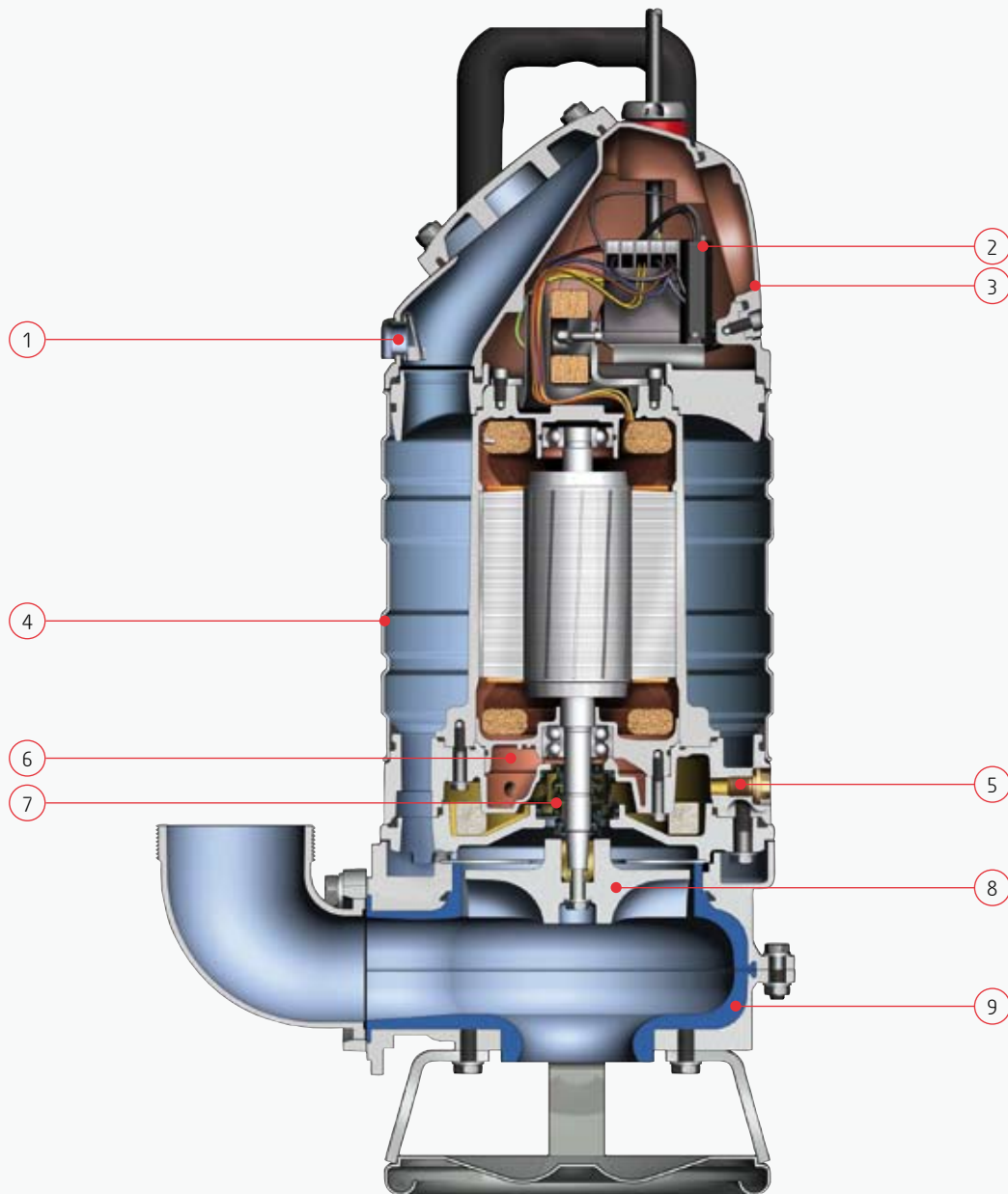


### MINEX – MATADOR

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



## This is what makes our sludge pumps unique



### SALVADOR – SANDY

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

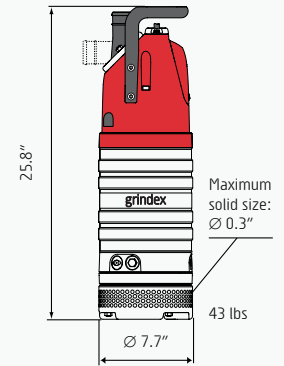
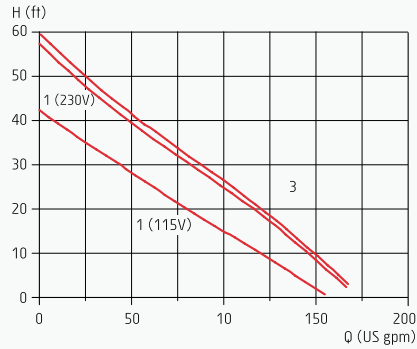


## DRAINAGE PUMPS: MINEX – MINOR

### MINEX

#### Technical data

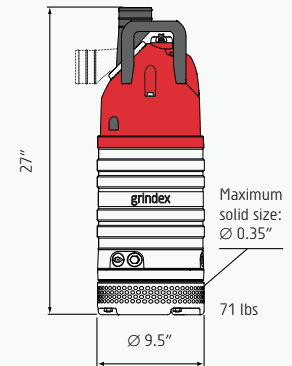
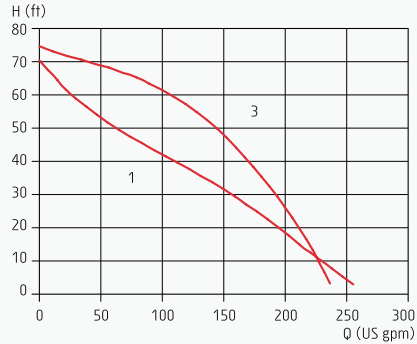
	<b>1</b>	<b>3</b>
Phase	<b>1</b>	<b>3</b>
Discharge connection	2"	2"
Rated power	2.0 HP	1.9 HP
Max power consumption	1.8 kW (115 V: 1.3 kW)	1.8 kW
Shaft speed	3460 RPM	3335 RPM
Rated current at 115 V	12 A	-
Rated current at 230 V	8.2 A	5.2 A
Rated current at 460 V	-	2.6 A



### MINETTE

#### Technical data

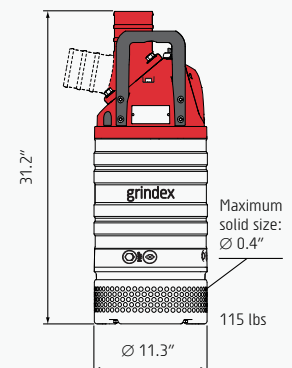
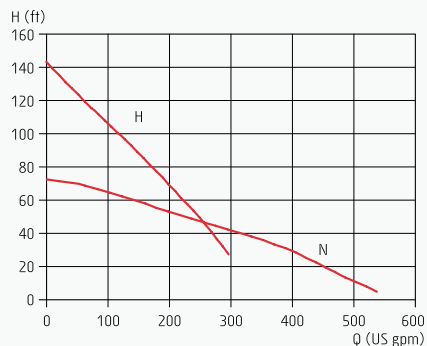
	<b>1</b>	<b>3</b>
Phase	<b>1</b>	<b>3</b>
Discharge connection	3"	3"
Rated power	2.4 HP	3.5 HP
Max power consumption	2.2 kW	3.1 kW
Shaft speed	3420 RPM	3410 RPM
Rated current at 230 V	9.9 A	9.5 A
Rated current at 460 V	-	4.7 A



### MINOR

#### Technical data

	<b>N</b>	<b>H</b>
Discharge connection	4"	3"
Rated power	6.0 HP	6.0 HP
Max power consumption	5.2 kW	5.2 kW
Shaft speed	3500 RPM	3500 RPM
Rated current at 460 V	7.3 A	7.3 A
Rated current at 575 V	5.8 A	5.8 A



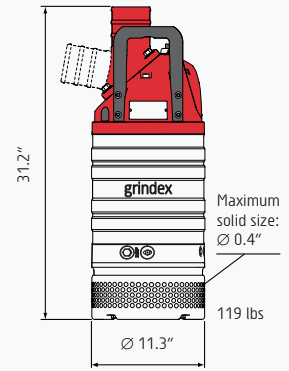
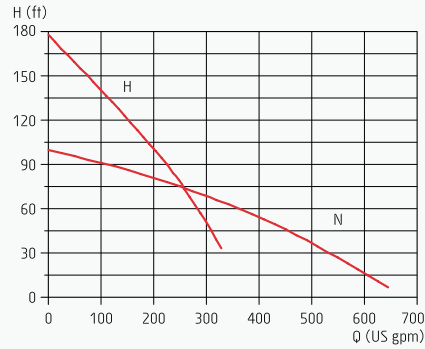


# DRAINAGE PUMPS: MAJOR – MATADOR

## MAJOR

### Technical data

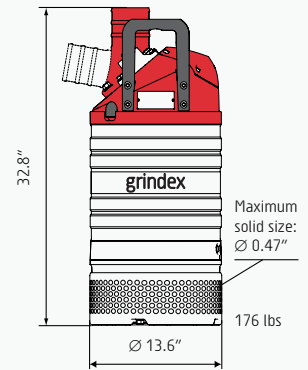
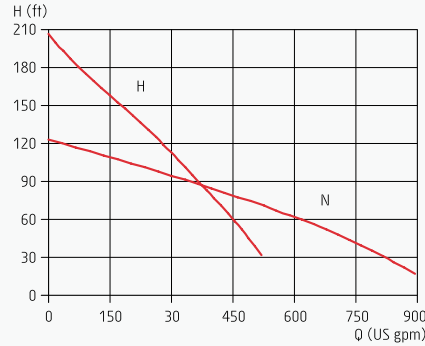
	N	H
Discharge connection	4"	3"
Rated power	8.9 HP	8.9 HP
Max power consumption	7.7 kW	7.7 kW
Shaft speed	3490 RPM	3490 RPM
Rated current at 460 V	11 A	11 A
Rated current at 575 V	8.5 A	8.5 A



## MASTER

### Technical data

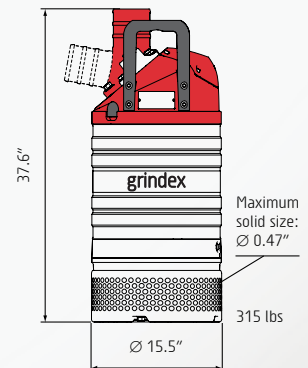
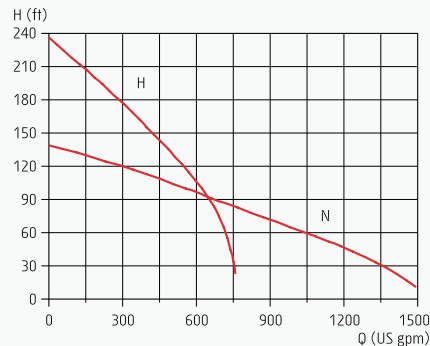
	N	H
Discharge connection	4"	3"
Rated power	15 HP	15 HP
Max power consumption	13 kW	13 kW
Shaft speed	3465 RPM	3465 RPM
Rated current at 460 V	18 A	18 A
Rated current at 575 V	14 A	14 A



## MATADOR

### Technical data

	N	H
Discharge connection	6"	4"
Rated power	27 HP	27 HP
Max power consumption	22 kW	22 kW
Shaft speed	3490 RPM	3490 RPM
Rated current at 460 V	31 A	31 A
Rated current at 575 V	25 A	25 A



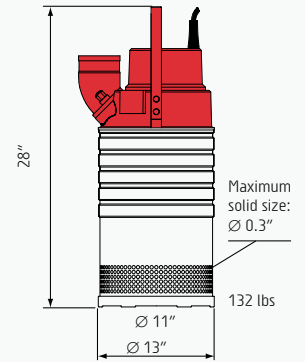
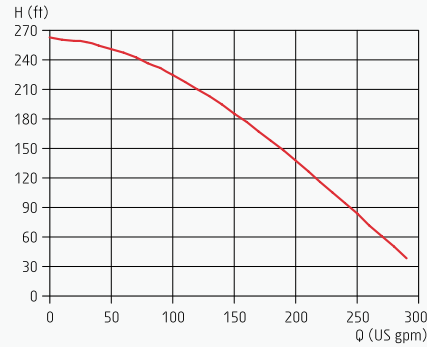


## DRAINAGE PUMPS: MASTER SH - MAGNUM

### MASTER SH

#### Technical data

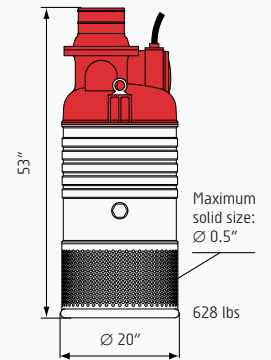
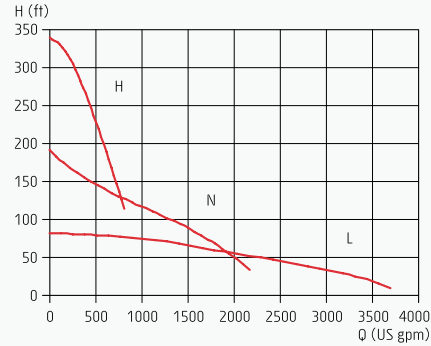
Discharge connection	3"
Rated power	14 HP
Max power consumption	12 kW
Shaft speed	3440 RPM
Rated current at 460 V	16 A
Rated current at 575 V	13 A



### MAXI

#### Technical data

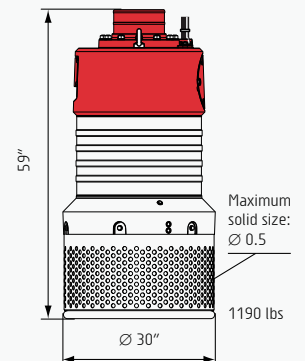
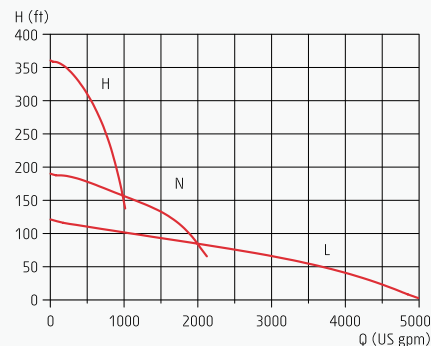
	L	N	H
Discharge connection	8"	8"	4"
Rated power	44 HP	58 HP	58 HP
Max power consumption	37 kW	48 kW	48 kW
Shaft speed	1770 RPM	3545 RPM	3545 RPM
Rated current at 460 V	58 A	65 A	65 A
Rated current at 575 V	43 A	52 A	52 A



### MAGNUM

#### Technical data

	L	N	H
Discharge connection	10"	8"	6"
Rated power	90 HP	90 HP	90 HP
Max power consumption	67 kW	67 kW	67 kW
Shaft speed	1775 RPM	1775 RPM	3545 RPM
Rated current at 460 V	106 A	106 A	100 A
Rated current at 575 V	85 A	85 A	80 A



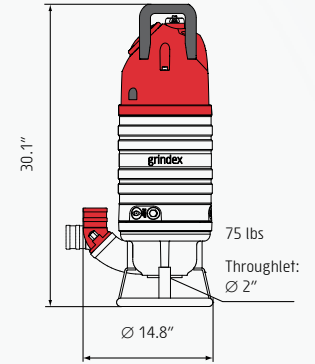
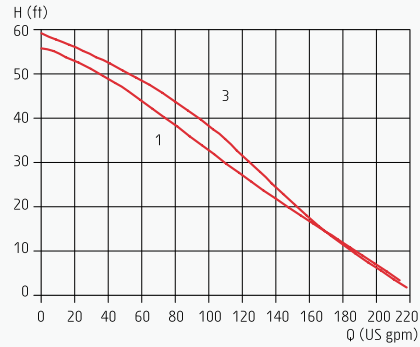


# SLUDGE PUMPS: SALVADOR – SANDY

## SALVADOR

### Technical data

	1	3
Phase	1	3
Discharge connection	3"	3"
Rated power	2.4 HP	3.5 HP
Max power consumption	2.2 kW	3.1 kW
Shaft speed	3420 RPM	3410 RPM
Rated current at 230 V	9.9 A	-
Rated current at 460 V	-	4.7 A

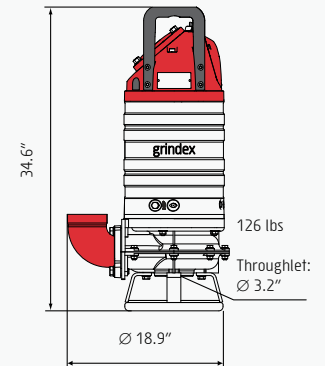
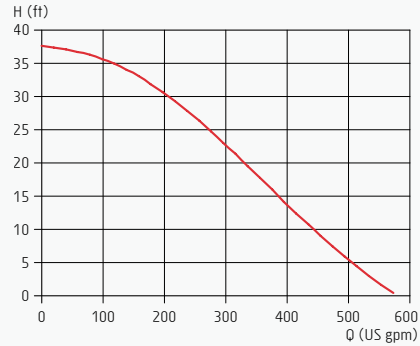


All data for Salvador are preliminary

## SENIOR

### Technical data

Discharge connection	4"
Rated power	7.5 HP
Max power consumption	6.2 kW
Shaft speed	1700 RPM
Rated current at 460 V	9.4 A
Rated current at 575 V	7.5 A

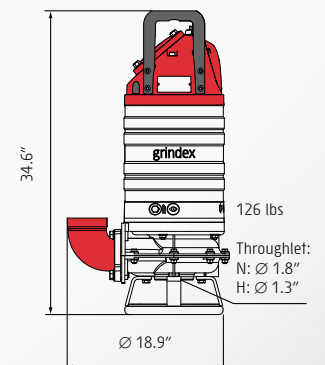
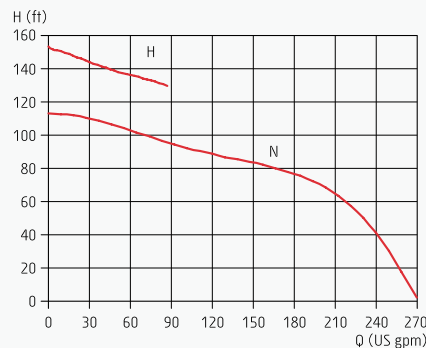


All data for Senior are preliminary

## SANDY

### Technical data

	N	H
Discharge connection	3"	3"
Rated power	8.9 HP	8.9 HP
Max power consumption	7.7 kW	7.7 kW
Shaft speed	3490 RPM	3490 RPM
Rated current at 460 V	11 A	11 A
Rated current at 575 V	8.5 A	8.6 A



All data for Sandy are preliminary



## 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).  
Pre-assembled double mechanical shaft seals with oil compartment between the seals

Material lower seal:

- Tungsten carbide - tungsten carbide (Minex-Matador, not including Master SH)
- Silicon carbide - silicon carbide (Master SH)
- Corrosion resistant cemented carbide - corrosion resistant cemented carbide (Maxi, Magnum)

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

Wear plate: High chrome cast iron

Diffusers: Nitrile rubber (Maxi, Magnum: Polyurethane)

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

#### Water specifications

Max. submersion depth: 66 ft.

Max. liquid temperature: 104°F

Max. liquid density: 68 lbs/ft<sup>3</sup>

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). Pre-assembled double mechanical shaft seals with oil compartment between the seals

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: 66 ft.

Max. liquid temperature: 104°F

Max. liquid density: 68 lbs/ft<sup>3</sup>

pH of the liquid: 5-8

Specifications can be changed without notice.





## Whatever your pumping demands are, Grindex has the solution

Grindex pumps are designed for continuous, unattended operation. For 50 years, they have proven their reliable and dependable performance in a wide range of challenging applications worldwide:

- Building and construction
- Mining
- Tunneling
- Quarries
- Industries
- Power plants
- Dry dock/off shore
- Steel mills
- Underground utilities
- Rental
- Flood relief
- Local and national government
- Agriculture



**Building and  
construction**



**Mining and  
tunneling**



**Rental**



**Quarries and other  
demanding industries**



## The Grindex team.

For some 50 years, Grindex has specialized in designing and manufacturing electrical submersible pumps for professionals. Durable and dependable, they are used in the most demanding and specialized applications worldwide. We have delivered over 300,000 pumps in more than 100 countries.

We offer pumps for almost any application. Our range includes drainage pumps, sludge pumps, slurry pumps and stainless steel pumps.

When you are running a Grindex pump, you can rest assured that a dedicated team is watching your back. Our experts are always there to see to your every need. Through our global network of sales and service centers, we provide the best level of support possible – day and night, seven days a week.

It's all part of the service.

For more information, please visit [www.grindexpumps.com](http://www.grindexpumps.com)