

When resilience matters

Get Grindex

Grindex pumps are the most efficient, reliable and durable submersible pumps on the market.

Grindex's world-leading electric submersible technology requires significantly less power, reducing costs and emissions over the lifecycle of your project. The pumps are lightweight, robust and boast run-dry SMART motor protection.

Make the call and invest in high performance subs for your site: 0800 482 747



Key benefits:

Require smaller

generators to start.
Save 30% on start-up power and subsequent running requirements.

Easy to maintain

You'll need just five tools to dismantle your Grindex, making routine servicing quicker and simpler.

Lightweight and heavy-duty

Cast aluminium, and stainless-steel outer casings make Grindex pumps lighter (by almost half) and easier to handle.

Plug and play is standard.

Star/Delta starters and phase shifters are standard on most Grindex pumps.

Runs 24/7 without worry.

The Grindex has an in-built air valve to keep the motor cool when fluids aren't flowing. Combine that with Grindex's run-dry SMART motor protection and running dry is one less thing to worry about.

Grindex Handy-sized Pumps Performance Summary

Model	Grindex 2"	Grindex 3"	Grindex 4"
Max Flow (L/s)	6–11	16	34–39
Max Head (m)	16–18	22	21–28
Max Solids (mm)	5–7.5	9	10
Drive	Electric 1 & 3ph	1 & 3ph	Electric 3ph
Power (kW)	0.9–1.4	1.5–2.2	4.4–6.6
Weight (kg)	14.5–21.5	29	50
Diameter (mm)	185–200	240	286

See overleaf for detailed pump specifications.

Micro

Submersible Dewatering Pump



Pump specifications

Type	Micro
50Hz	1-ph
Discharge connection	2"
Rated Power P _r (W)	420
Max. power consumption P ₁ (W)	590
Shaft speed (r.p.m.)	2760
Rated current at 115V	5.1 A
Rated current at 230V	2.7 A
Solids passage (mm)	11 x 5
Height (mm)	440
Diameter (mm)	185
Weight (kg)	12

Other voltages on request

Features

Pump types

Single phase

Classification

Electrical submersible drainage pump. Protection class: IP68

Electrical motor

1-phase: Squirrel cage induction motor with run capacitor.

Insulation Class: F (IEC85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 135°C (275°F)

Cable

1-phase: 3G1mm², 10m (33ft) / 16AWG/3, 50ft

Limitations

Max. submersion depth: 5m (16.4ft)

Max. liquid temperature: 35°C (95°F)

Allowed pH range: 5 - 8

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

Shaft Seals

Double mechanical seals running in an oil compartment

Material lower seal: silicon carbide - silicon carbide

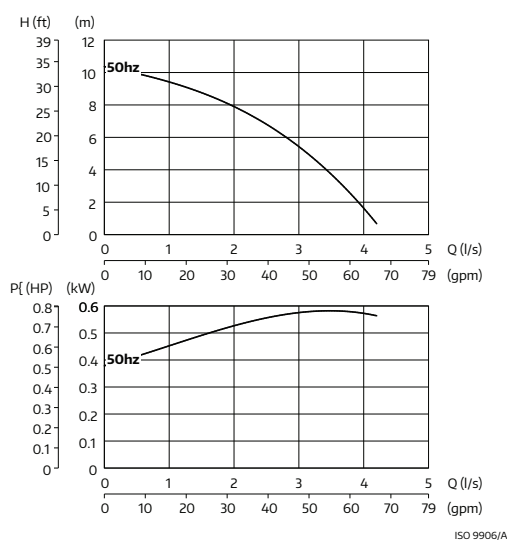
Material upper seal: carbon - aluminum oxide

Bearings

Ball bearings with C3 clearance

Discharge connection

2" hose, BSP or NPSM



Materials

Pump top: Aluminium

Outer casing: Aluminium

Stator housing: Aluminium

Motor shaft: Stainless steel

Impeller: Polyurethane

Diffuser: Polyurethane

Screws and nuts: Stainless steel

Accessories

Float switch

Low suction collar

Pump raft

Mini

Submersible Dewatering Pump



Pump specifications

Type	Mini
50Hz	Mini
Discharge connection	2"
Rated Power P _r (W)	900
Max. power consumption P _i (W)	1200
Shaft speed (r.p.m.)	2800
Rated current at 115V	11 A
Rated current at 230V	5.2 A
Solids passage (mm)	11 x 5
Height (mm)	440
Diameter (mm)	185
Weight (kg)	14.5

Other voltages on request

Features

Pump types

Single phase

Classification

Electrical submersible drainage pump. Protection Class: IP68

Electrical motor

1-phase: Squirrel cage induction motor
50 Hz: separate start and run capacitor
60 Hz: combined start and run capacitor
Insulation Class: F (IEC 85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator
opening temperature 135°C (275°F)

Cable

1-phase: 3G1mm², 10m (33ft) / 16AWG/3, 50ft

Limitations

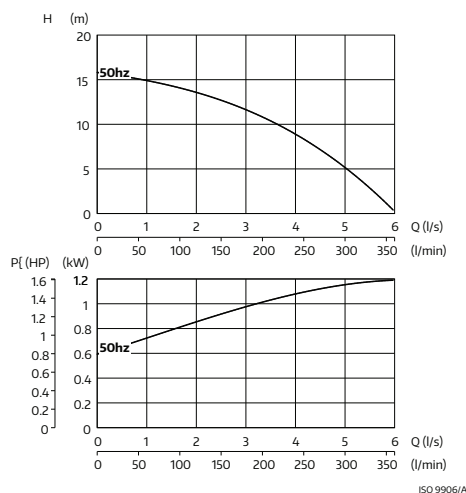
Max. submersion depth: 10m (33ft)
Max. liquid temperature: 40°C (104°F)
Allowed pH range: 5 - 8
Maximum liquid density: 1100kg/m³ (68lbs/ft³)

Shaft Seals

Double mechanical shaft seals running in an oil compartment
Material lower seal: silicon carbide - silicon carbide
Material upper seal: carbon - aluminum oxide

Bearings

Ball bearings with C3 clearance



Discharge connection

2" hose, BSP or NPSM

Materials

Pump top: Aluminium
Outer casing: Aluminium
Stator housing: Aluminium
Motor shaft: Stainless steel
Impeller: Polyurethane
Diffuser: Polyurethane
Screws and nuts: Stainless steel

Accessories

Float switch; Low suction collar; Pump raft

Minex

Submersible Dewatering Pump



Pump specifications

Type	Minex		
50Hz	Lite 1-ph	1-ph	3-ph
Discharge connection	2"	2"	2"
Rated Power P _r (kW)	0.85	1.4	1.2
Max. power consumption P _i (kW)	1.1	1.8	1.6
Shaft speed (r.p.m.)	2755	2870	2740
Rated current at 115V	11 A	-	-
Rated current at 230V	5.1 A	7.8 A	4.7 A
Rated current at 400V	-	-	2.6 A
Solids passage (mm)	7.5	7.5	7.5
Height (mm)	616	646	616
Diameter (mm)	200	200	200
Weight (kg)	21.5	25	21.5

Other voltages on request

Features

Classification

Electrical submersible drainage pump. Protection Class: IP68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor

3-phase: Squirrel cage induction motor

Insulation Class: F (IEC85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 125°C (257°F), air valve.

3-phase: Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 125°C (257°F) (= SMART system), air valve

Cable – SubCab

1-phase: 3G1.5mm², 20m (66ft)/ 14AWG/3, 53ft

3-phase: 4G1.5mm², 20m (66ft)/ 14AWG/4, 53ft

Limitations

Max. submersion depth: 20m (66ft)

Max. liquid temperature: 40°C (104°F)

Allowed pH range: 5 - 8

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

Shaft Seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

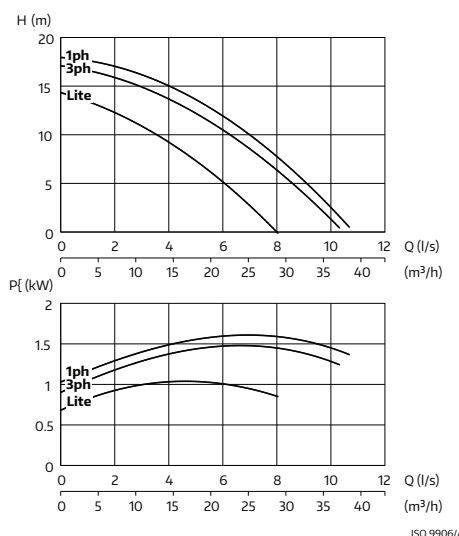
Material lower seal: silicon carbide - silicon carbide

Material upper seal: tungsten carbide - aluminium oxide

Bearings

Ball bearings with C3 clearance

PD501172-INT



Discharge connection

2" hose, ISD-G or NPT

Materials

Casted parts: Aluminium

Outer casing: Stainless steel

Motor shaft: Stainless steel

Impeller: Hard-Iron™

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Accessories

Float switch,

Zinc anodes

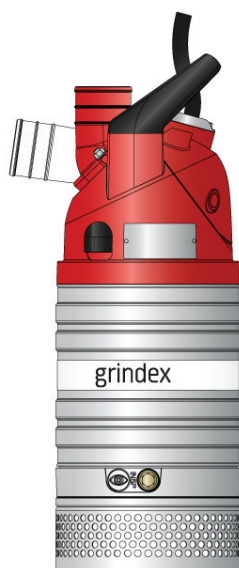
Low suction collar

Pump raft

Specifications can be changed without notice.

Minette

Submersible Dewatering Pump



Pump specifications

Type	Minette	
50Hz	1-ph	3-ph
Discharge connection	3"	3"
Rated Power P _r (kW)	1.5	2.2
Max. power consumption P _i (kW)	1.9	2.7
Shaft speed (r.p.m.)	2830	2800
Rated speed at 230V	8.4 A	8.1 A
Rated current at 400V	-	4.5 A
Rated current at 500V	-	3.6 A
Solids passage (mm)	9	9
Height (mm)	676	676
Diameter (mm)	240	240
Weight (kg)	29	29

Other voltages on request

Features

Classification

Electrical submersible drainage pump. Protection class: IP68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor

3-phase: Squirrel cage induction motor

Insulation Class: F (IEC85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 125°C (257°F), air valve

3-phase: Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 125°C (257°F) (= SMART system), air valve

Cable - SubCab

1-phase: 3G1,5mm², 20m (66ft)/ 14AWG/3, 53ft

3-phase: 4G1,5mm², 20m (66ft)/ 14AWG/4, 53ft

Limitations

Max. submersion depth: 20m (66ft)

Max. liquid temperature: 40°C (104°F)

Allowed pH range: 5 - 8

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

Shaft Seals

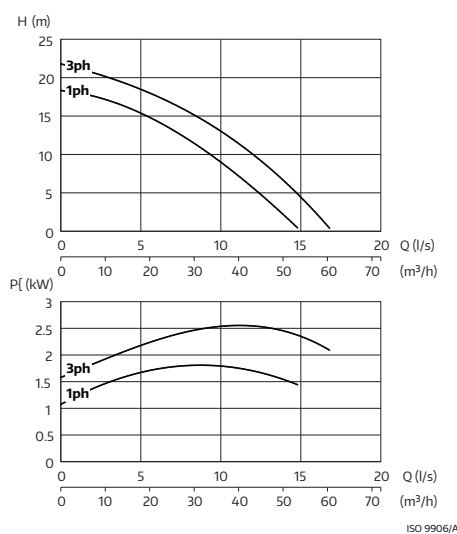
Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

Material lower seal: silicon carbide - silicon carbide

Material upper seal: tungsten carbide - aluminium oxide

Bearings

Ball bearings with C3 clearance



Discharge connections

3" hose, ISD-G or NPT

Materials

Casted parts: Aluminium

Outer casing: Stainless steel

Motor shaft: Stainless steel

Impeller: Hard-Iron™

Suction cover: Hard-Iron™

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel

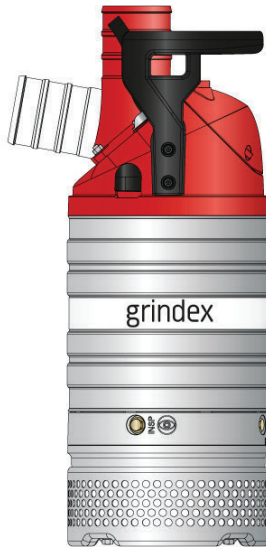
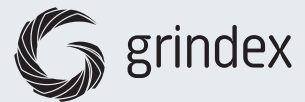
O-rings: Nitrile rubber

Accessories

Float switch; Zinc anodes; Low suction collar; Pump raft

Minor

Submersible Dewatering Pump



Pump specifications

Type	Minor	
50Hz	N	H
Discharge connection	4"	3"
Rated Power P _r (kW)	3.7	3.7
Max. power consumption P _f (kW)	4.4	4.4
Shaft speed (r.p.m.)	2885	2885
Rated speed at 230V	13 A	13 A
Rated current at 400V	7.3 A	7.3 A
Rated current at 500V	5.4 A	5.4 A
Rated current at 1000V	2.9 A	2.9 A
Solids passage (mm)	10	10
Height (mm)	768	768
Diameter (mm)	286	286
Weight (kg)	50	50

Other voltages on request

Features

Pump types

N: normal pressure
H: high pressure

Classification

Electrical submersible drainage pump
Protection class: IP68

Electrical motor

Squirrel cage induction motor. Insulation Class: H (IEC85)

Motor protection

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 140°C (284°F) (= SMART system), air valve

Cable - SubCab

4G2,5mm², length 20m or 14AWG/4, length 53ft

Limitations

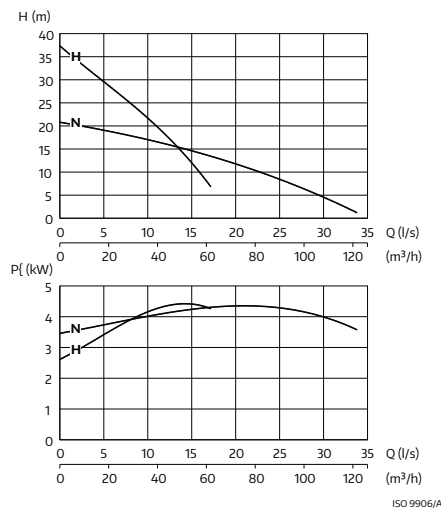
Max. submersion depth: 20m (66ft)
Max. liquid temperature: 40°C (104°F)
Allowed pH range: 5 - 8
Maximum liquid density: 1100kg/m³ (68lbs/ft³)

Shaft Seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment
Material lower seal: silicon carbide - silicon carbide
Material upper seal: tungsten carbide - aluminium oxide

Bearings

Ball bearings with C3 clearance



Discharge connection

3-4" hose, ISD-G or NPT

Materials

Casted parts: Aluminium
Outer casing: Stainless steel
Motor shaft: Stainless steel
Impeller and suction cover: Hard-Iron™
Diffusers: Nitrile rubber
Screws and nuts: Stainless steel
O-rings: Nitrile rubber

Accessories

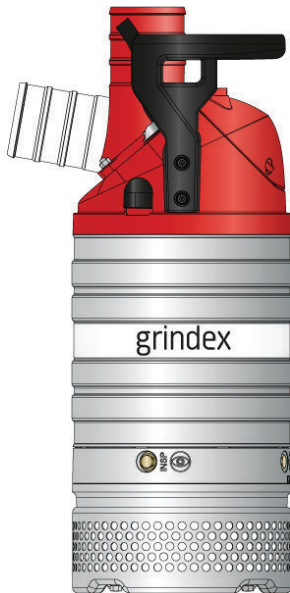
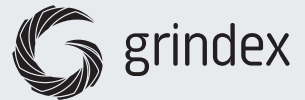
Level regulator; Zinc anodes; Tandem connection;
Low suction collar; Pump raft

PD503181-INT

Specifications can be changed without notice.

Major

Submersible Dewatering Pump



Pump specifications

Type	Major	
50Hz	N	H
Discharge connection	4"	3"
Rated Power P _r (kW)	5.6	5.6
Max. power consumption P _i (kW)	6.6	6.6
Shaft speed (r.p.m.)	2895	2895
Rated current at 230V	19 A	19 A
Rated current at 400V	11 A	11 A
Rated current at 500V	8.7 A	8.7 A
Rated current at 1000V	4.3 A	4.3 A
Solids passage (mm)	10	10
Height (mm)	768	768
Diameter (mm)	286	286
Weight (kg)	50	50

Other voltages on request

Features

Pump types

N: normal pressure, H: high pressure

Classification

Electrical submersible drainage pump. Protection Class: IP68

Electrical motor

Squirrel cage induction motor. Insulation Class: H (IEC85)

Motor protection

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 140°C (284°F) (= SMART system), air valve

Cable – SubCab

4G2.5mm², length 20m or 14AWG/4, length 53 ft

Limitations

Max. submersion depth: 20m (66 ft)

Max. liquid temperature: 40°C (104°F)

Allowed pH range: 5 – 8

Maximum liquid density: 1100 kg/m³ (68lbs/ft)

Shaft Seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

Material lower seal: silicon carbide - silicon carbide

Material upper seal: tungsten carbide - aluminium oxide

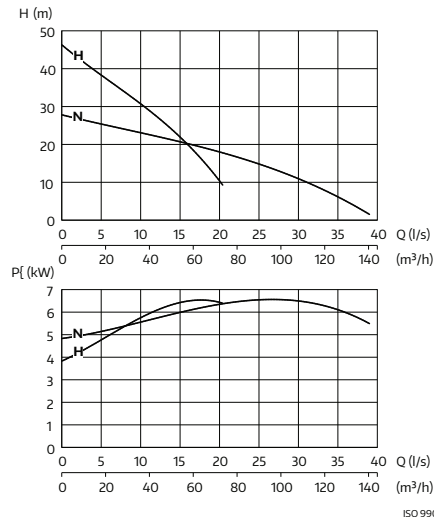
Bearings

Ball bearings with C3 clearance

Discharge connection

3-4" hose, ISO-G BSP or NPT

PD504181-INT



Materials

Casted parts: Aluminium

Outer casing: Stainless steel

Motor shaft: Stainless steel

Impeller and suction cover: Hard-Iron™

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Accessories

Level regulator; Zinc anodes; Low suction collar;

Tandem connection; Pump raft

Specifications can be changed without notice.

Master

Submersible Dewatering Pump



Pump specifications

Type	Master		
50Hz	N	H	SH
Discharge connection	6"	4"	3"
Rated Power P _r (kW)	10	10	10
Max. power consumption P _f (kW)	11.7	11.7	11.7
Shaft speed (r.p.m.)	2855	2855	2855
Rated current at 230V	33 A	33 A	33 A
Rated current at 400V	21 A	21 A	21 A
Rated current at 500V	15 A	15 A	15 A
Rated current at 1000V	8 A	8 A	8 A
Solids passage (mm)	10	10	10
Height (mm)	832	832	887
Diameter (mm)	346	346	346
Weight (kg)	80	80	98

Other voltages on request

Features

Pump types

N: normal pressure,
H: high pressure,
SH: super high pressure

Classification

Electrical submersible drainage pump. Protection Class: IP68

Electrical motor

Squirrel cage induction motor. Insulation Class: H (IEC85)

Motor protector

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 140°C (284°F) (= SMART system), air valve.

- DOL, tar/delta
- Softstarter (only 400V-50Hz)

Cable – SubCab

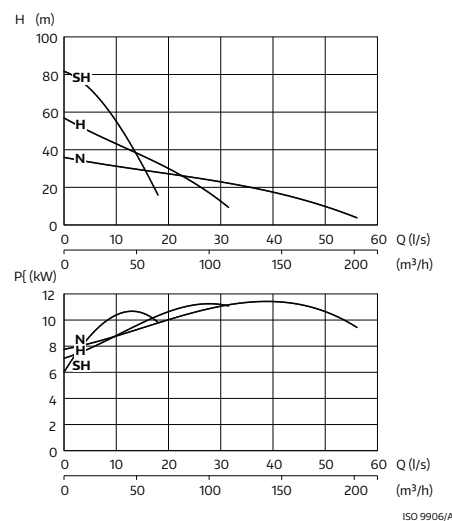
230V: 4G4mm², 20m (66ft) or 8AWG/4, 53ft
380-575V: 4G4mm², 20m (66ft) or 12AWG/4, 53ft

Limitations

Max. submersion depth: 20m (66ft)
Max. liquid temperature: 40°C (104°F)
Allowed pH range: 5 - 8
Maximum liquid density: 1100kg/m³ (68lbs/ft³)

Shaft Seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment
Material lower seal: silicon carbide - silicon carbide
Material upper seal: tungsten carbide - aluminium oxide



Bearings

Ball bearings with C3 clearance

Discharge connection

3-6" hose, ISO-G or NPT

Materials

Casted parts: Aluminium
Outer casing: Stainless steel
Motor shaft: Stainless steel
Impeller and suction cover: Hard-Iron™
Diffusers: Nitrile rubber
Screws and nuts: Stainless steel
O-rings: Nitrile rubber

Accessories

External level regulator, Zinc anodes, Tandem connection, Pump raft

PD505182-INT

Specifications can be changed without notice.

Available in New Zealand from:

Prime Fluid Management
Head Office: 10 Chesterfield St
Greymouth, West Coast

0800 482 747

primefluid.co.nz

info@primefluid.co.nz

