

WEDA dewatering pumps

WEDA electric submersible pumps and accessories are designed for an extensive range of dewatering applications, across multiple industries. They provide the performance, reliability and ease of use you need. WEDA pumps feature a built-in starter and motor protection system along with optional automatic level control. Adjustable wear-resistant rubber diffusors and hardened high-chrome impellers ensure durability in tough environments.

At Atlas Copco, we understand pumps, their applications and, most importantly, the people using them. We have a complete range of high-quality and lightweight electric submersible pumps designed specifically for drainage, sludge and slurry pumping applications and available in global voltages.

WEDA pumps are made for durability. The unique sealing system and modular design make them among the most flexible pumps on the market. Easy to use and maintain, WEDA pumps promise optimal performance. The WEDA seal system is designed to provide the optimum maintenance solution and can be easily fitted at the job site.



There is a WEDA pump for any dewatering application

We understand the dewatering needs of our customers, which vary with location and application. Accordingly our submersible range is developed for drainage (D), sludge (S) and slurry (L) applications.

These applications call for pumps designed specifically for handling corrosive and abrasive media and their solid contents.

Sludge pumps (WEDA S) Slurry pumps (WEDA L) **Drainage pumps (WEDA D)** WATER WATER **WATER** UP TO 1100 kg/m³ 1400 kg/m³ 1700 kg/m³ TOM SIDE AND DISCHARGE pH values FROM 5 to 8 pH values FROM 5 to 8 pH values FROM 2 TO 10

Applications

- General dewatering
- Ground water
- Raw water
- Construction sites
- Water containing mud
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining

- Abrasive media with high solids content
- Ouarries
- Dredging
- Settling ponds



WEDA D range

The WEDA drainage pumps handle either clean or dirty water, even with small solids with the best performance and efficiency.

:I HIGH CORROSION RESISTANCE

Unique aluminum alloy offers the perfect combination of strength, light weight and corrosion resistance

... FLEXIBILITY

i.....

Discharges can be mounted vertically or sideways as required

... MOTOR PROTECTION

Class F motors, with thermal switches in each winding

: I EXTENDED **PERFORMANCE**

Pump design ensures all-round motor cooling for better performance

WEDA+

- 1. Rotation control
- 2. Phase failure protection
- 3. Thermal switches
- 4. Phase shifter plugs for three-phase pumps



IMPROVED CABLE I **SEALING**

Ensures protection against water leakage from cable entry

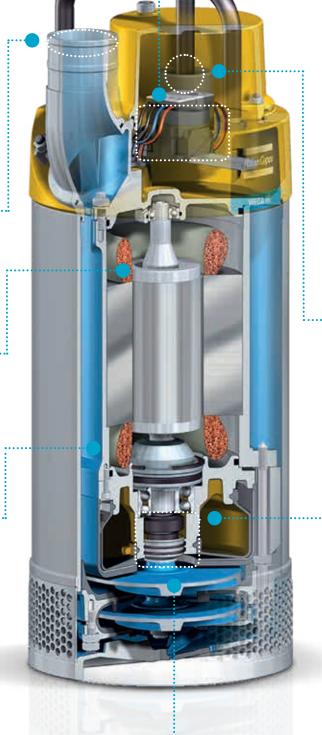
MODULAR I····· **SEALING SOLUTION**

Based on pump size, the sealing system is adapted to provide the best solution

IMPROVED I **WEAR RESISTANCE**

High-chrome (55HRC) impellers provide higher wear resistance







WEDA S range

The WEDA sludge pumps can handle thick, soft, wet mud or other similarly viscous mixtures of liquids and solids, especially the product of an industrial or refining process.

:IMPROVED CABLE SEALING

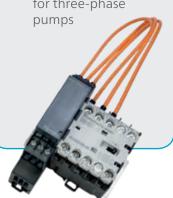
Ensures protection against water leakage from cable entry

DRY RUNNING CAPABILITIES

Improved rib design offers external cooling to motor for extended running time

WEDA+

- 1. Rotation control
- 2. Phase failure protection
- 3. Thermal switches
- 4. Phase shifter plugs for three-phase



MOTOR PROTECTION

Class F motors, with thermal switches in each winding

:--- HIGHER SOLIDS HANDLING

Sludge pumps can handle solids up to 50 mm



EASY INSPECTION I

External oil inspection plug for quick inspection of oil

MODULAR I **SEALING SOLUTION**

Based on pump size, the sealing system is adapted to provide the best solution

SUSTAINABLE I **PERFORMANCE**

High-chrome (55HRC) impellers provide higher wear resistance



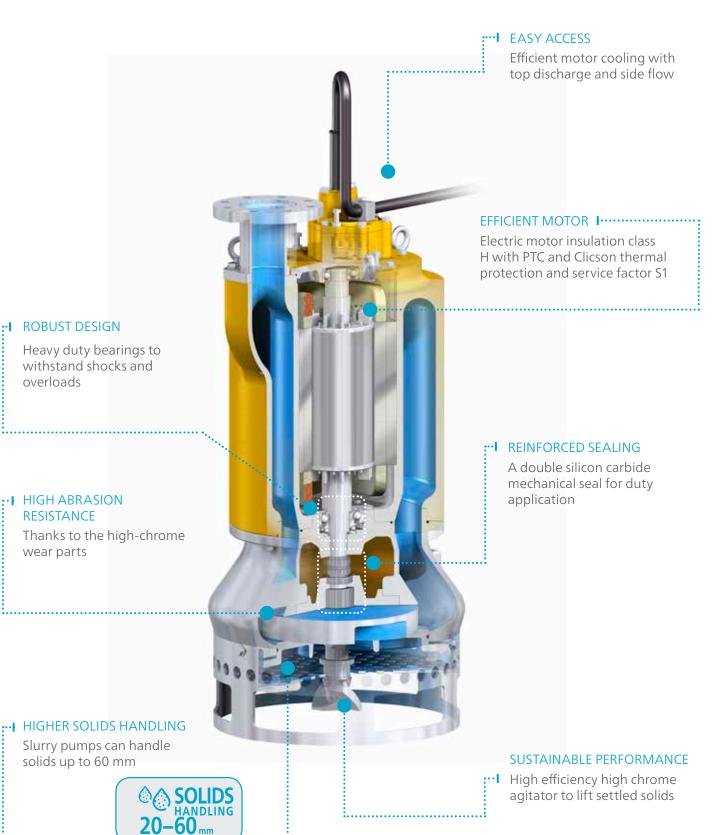
ROBUST DESIGN

Base of the pump ensures stability while enabling passage of large solids



WEDA L range

The WEDA slurry pumps are the toughest, and have the largest apertures to facilitate handling of slurry with the most challenging solids.



solids up to 60 mm

: ROBUST DESIGN

overloads

... HIGH ABRASION

RESISTANCE

wear parts



WEDA D range

Technical data



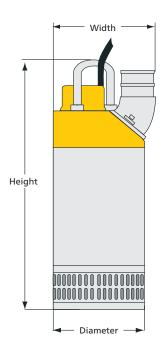








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		WEDA D04N	WEDA D04BN	WEDA D08N	WEDA D10N		WEDA D30L		WEDA D30N		WEDA D40N
Specifications		1ph	1ph	1ph	1ph	3ph	1ph	3ph	1ph	3ph	3ph
Max. head	m	11,3	12,0	15,2	15,0	15,0	16,5	16,5	23	23	21
Max. flow	l/min	250	224	325	470	480	1250	1250	850	850	1320
	m³/h	15,0	13,5	19,5	28	29	75	75	51	51	79
Rated output	kW	0,40	0,40	0,8	1,0	1,0	2,0	2,0	2,0	2,0	3,0
Max. power input	kW	0,65	0,65	1,2	1,5	1,2	2,6	2,5	2,6	2,5	3,4
Discharge connection	in	2"	1" (2" optional)	2"	2"	2"	3" (4")	3" (4")	3" (4")	3" (4")	3" (4")
Max solids handling size	mm	7,5	4,5	7,5	4	4	7	7	7	7	7
Weight and dimensions											
Weight	kg	9,0	9,5	12,4	12,5	12,5	20	20	20	20	25
Height	mm	340	415	358	395	395	525	525	476	476	525
Width	mm	209	253	210	225	225	290	290	290	290	290
Diameter	mm	182	220	183	185	185	220	220	220	220	220



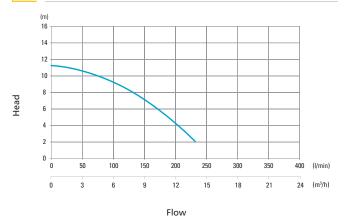
Typical applications

- General construction
- Ground water

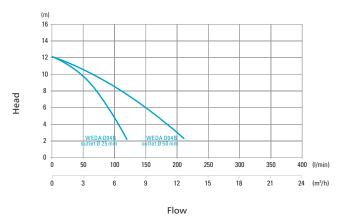
- Raw water
- Construction sites



WEDA D04N

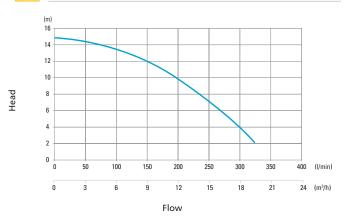


WEDA D04BN



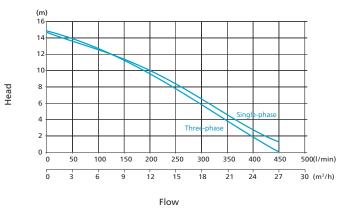


WEDA DOSN





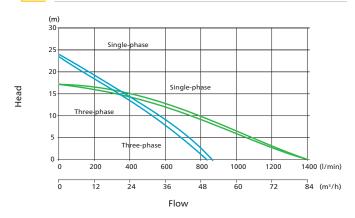
₩ WEDA D10N





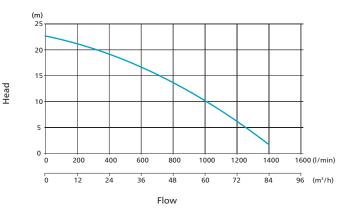
WEDA D30L, D30N

Normal head Low head





WEDA D40N



According to ISO 9906 - ANNEX A



WEDA D range

Technical data



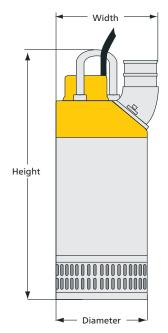






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		WEDA D50N	WEDA D50H	WEDA D60N	WEDA D60H	WEDA D60SH	WEDA D70L	WEDA D70H	WEDA D80N	WEDA D80H	WEDA D90L	WEDA D90H	WEDA D100N
Specifications		3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph
Max. head	m	24	39	29	38	60	32	65	40	65	46	96	43
Max. flow	l/min	2300	1200	2600	1500	1050	4750	1583	6000	2500	6777	2111	16.200
	m³/h	138	72	156	90	63	285	95	360	150	407	127	972
Rated output	kW	5,6	5,6	7,5	7,5	7,5	11,8	11,8	20	20	26,5	26,5	54
Max. power input	kW	6,6	6,6	8,8	8,8	8,8	14,0	13,8	22	22	29,3	29,3	65
Discharge connection	in	4" (3")	3" (4")	4" (3")	3" (4")	3" (4")	6" (4")	4" (6")	6" (4")	4" (6")	6" (4")	4" (6")	10"
Max solids handling size	mm	8	8	8	8	8	7	7	12	12	7	7	12
Weight and													

Weight and dimensions													
Weight	kg	55	55	61	61	62	95	95	180	180	180	180	510
Height	mm	720	720	760	760	760	911	911	980	980	1100	1100	1412
Width	mm	330	302	330	302	302	395	395	690	665	480	480	650
Diameter	mm	278	278	278	278	278	360	360	530	530	400	400	600



Typical applications

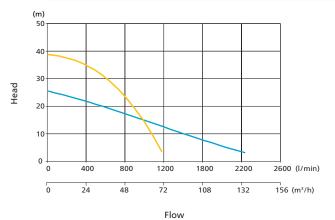
- General construction
- Ground water

- Raw water
- Construction sites

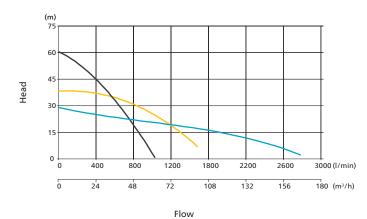




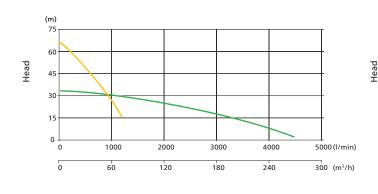
WEDA D50N, D50H



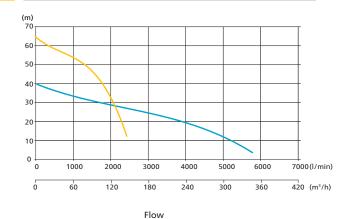
WEDA D60N, D60H, D60SH



WEDA D70L, D70H

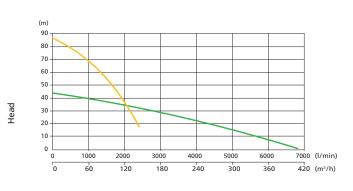


✓ WEDA D80N, D80H

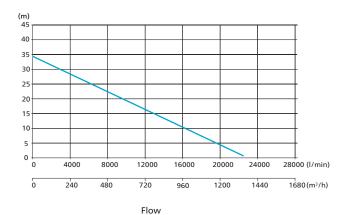


Flow

WEDA D90L, D90H



WEDA D100N



Flow



According to ISO 9906 - ANNEX A



WEDA S range

Technical data





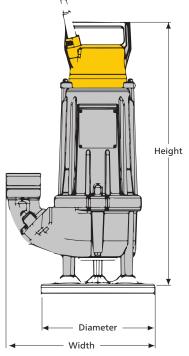




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		WEDA S04N	WEDA S08N	WEDA S30N		WEDA S60N
Specifications		1ph	1ph	1ph	3ph	3ph
Max. head	m	10,5	13,0	12,5	15	25
Max. flow	l/min	270	317	700	900	1750
	m³/h	16,2	19,0	42	54	105
Rated output	kW	0,40	0,75	1,8	2,5	6,9
Max. power input	kW	0,65	1,2	2,2	3,1	8,0
Discharge connection	in	2"	2"	3"	3"	3" (4")
Max solids handling size	mm	25	25	50	50	50
Weight and dimensions						
Weight	kg	10	13	25	25	65
Height	mm	375	416	620	620	870

326

250



mm

mm

277

241

Width

Diameter

Typical applications

277

241

- Water containing mud
- Sludge or light slurry
- Tank clean-out

• Trench and pond cleaning

326

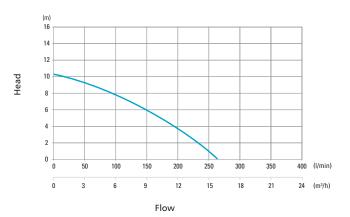
250

Mining

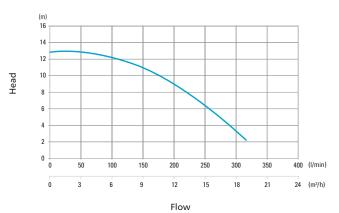


450

WEDA S04N



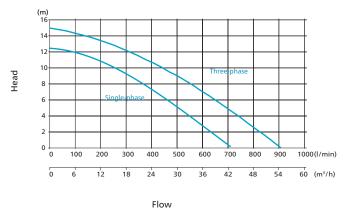
₩EDA S08N

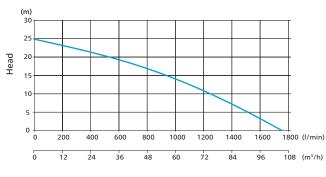


WEDA S30N



WEDA S60N





Flow

Normal head





WEDA L range

Technical data









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		WEDA L40N	WEDA L50N	WEDA L60N	WEDA L70N	WEDA L80N	WEDA L95N	WEDA L100N	WEDA L110N
Specifications		3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph
Max. head	m	13,4	17,0	22,8	24	27	51	30	50
Max. flow	l/min	1134	1667	2334	2500	2667	4667	7251	9169
	m³/h	68	70	140	150	160	280	435	550
Rated output	kW	3,70	5,50	9,0	11,0	15,0	37	45	75
Max. power input	kW	4,5	6,8	10,4	12,8	16,1	40,1	48,8	79,9
Discharge connection	in	3	4	4	4	4	4	6	6
Max solids handling size	mm	20	25	25	25	25	35	60	60
Weight and dimensions									
Weight	kg	185	260	260	270	310	750	1005	1070
Height	mm	793	914	914	914	1080	1605	1605	1605

435

Width Height Diameter Width Width

Typical applications

 Abrasive media with high solids content

580

495

- Dredging
- Settling ponds

935

935

Quarries



Width

Diameter

mm

mm

388

337

435

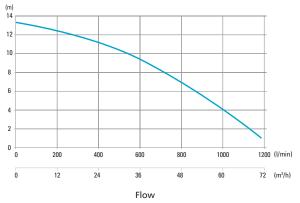
413

435

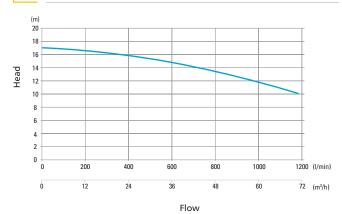
413

WEDA L40N

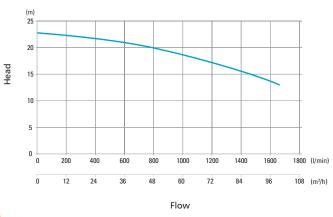
Head



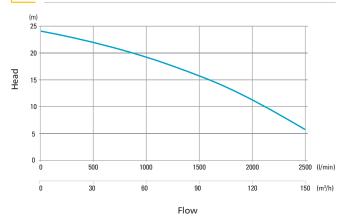
₩ WEDA L50N



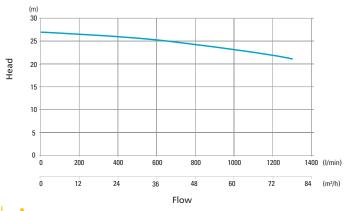
WEDA L60N



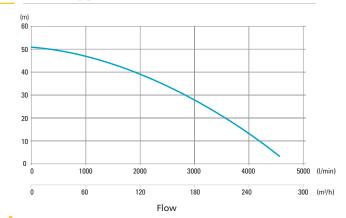
WEDA L70N



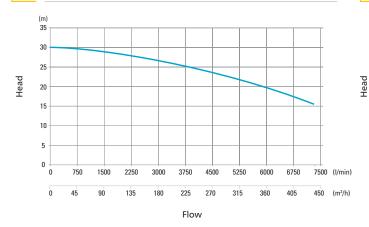
WEDA L80N



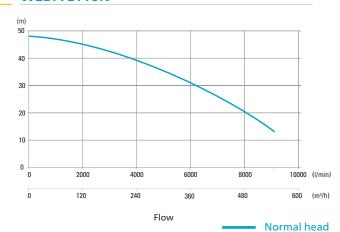
📈 WEDA L95N



WEDA L100N



WEDA L110N



According to ISO 9906 – ANNEX A



Accessories

... Discharge connections

We understand that you will have preferred equipment connections, so we offer four types. All can be mounted in either a vertical or horizontal position.

Hose



Storz



• ISO-G



NPT



Level regulators

For easy control of water level by automatic pump switch-on/-off:

Float switch



Zinc anodes

······

·····

Specifically required for pumping water with a high concentration of salts such as sea water, brine, etc.



... Low suction collar

To easily drain the water level down to the floor.

-- Hoses

Multiple hose options with a variety of end connections are available in different lengths ready in stock.

Epoxy coating

For additional protection against corrosion.

Service kits

Seal kit

The seal kit is the proper selection of high quality components for a mechanical seal change to ensure trouble-free operation after servicing.

- O-ring kit
- Mechanical shaft seal



Instant service pack

The instant service pack is a preassembled, tested and ready-to-use seal system containing the mechanical shaft seals, bearings, gaskets and oil to ensure trouble-free operation. It offers a quick onsite repair option due to ease of installation and therefore reduces the machine downtime cost.



Wear part kit

•

The wear part kit is a typical selection of components to bring the pump performance back to factory standard. The ideal solution for a machine overhaul or refurbishment.

- Impeller
- Wear plate
- Diffuser
- Impeller nut





DIP pneumatic pump

A pneumatic pump is a great choice when failure is not an option. They're easy to use, safe and can handle almost anything you throw at them.

The DIP centrifugal pumps can be made to suit several operations. With a simple change of impeller and intake ring you can adjust to the desired capacity and head. That means you get a three-in-one solution. The DIP is designed to handle relatively clean low-viscosity liquids such as water and cooling fluids.

LARGE GRIP

The pump got a great grip, which makes it easy to carry around

SUBMERSIBLE ACTION

The DIP is submersible, with the optional non-return valve

STAINLESS PROTECTION

The stainless-steel impeller is resistant to corrosion and many chemicals

·····I SAFE AIR INTAKE

The strainer prevents contaminants from entering the pump

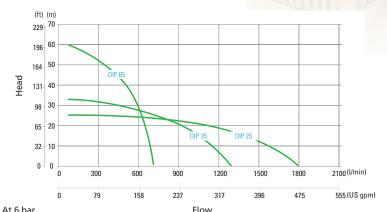
····· WIDE RANGE

You can choose pump for a high head or high flow based on your application

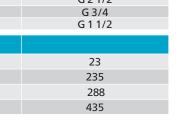
·····I LEAK-FREE

A specially designed rotating mechanical seal prevents leakage

Flow chart

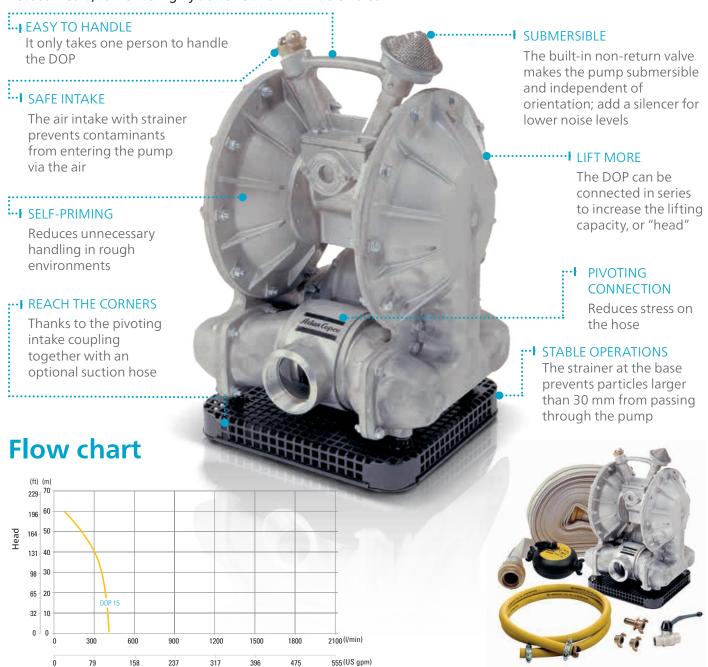


At 6 bar		FIOW			
Specifications			DIP 25	DIP 35	DIP 65
Max. head		m	25	35	59
Max. flow		l/min	1680	1320	660
Max. flow		m³/h	270 58,1	79,2	39,6
Max. air requirements		l/s	70	70	70
	Fluid outlet	in	G 2 1/2	G 2 1/2	G 2 1/2
Connection thread ¹	Air inlet	in	G 3/4	G 3/4	G 3/4
	Air outlet	in	G 1 1/2	G 1 1/2	G 1 1/2
Weight and dimensi	Weight and dimensions				
Weight		kg	23	23	23
Length		mm	235	235	235
Width		mm	288	288	288
Height		mm	435	435	435



DOP pneumatic pump

When the going gets tough, the tough get a DOP diaphragm pump. They are designed for the most polluted and viscous media, as well as highly abrasive and flammable fluids.



Specifications			D0P 15N	DOP 15F		
Max. head		m	59	59		
Max. flow		l/min	420	420		
Max. flow		m³/h	25,2	25,2		
Max. air requirements		l/s	34	34		
Connection thread ¹	Fluid outlet Air inlet	in in	G 2 1/2 G 3/4	G 2 1/2 G 3/4		
Weight and dimen	sions					
Weight		kg	31	31		
Length	Length		390	390		
Width	Width		330	330		
Height		mm	585	585		

At 6 bar

237

317

Flow

Product portfolio

GENERATORS

PORTABLE 1,6–12 kVA



MOBILE 9–1250* kVA



INDUSTRIAL 10–2250* kVA





CONTAINERS 800–1450 kVA



DEWATERING PUMPS

ELECTRIC SUBMERSIBLE

250-16.200 l/min



SURFACE PUMPS



Diesel and electric options available

SMALL PORTABLE

210-2500 l/min



LIGHT TOWERS





BATTERY LED



ELECTRIC LED



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS

1–116 m³/min 7–345 bar



HANDHELD TOOLS

Pneumatic Hydraulic Petrol engine driven



ONLINE SOLUTIONS

SHOP ONLINE PARTS ONLINE

Find and order the spare parts for power equipment. We handle your orders 24 hours a day.



POWER CONNECT

Scan the QR code on your machine, and go to the QR Connect Portal to find all the information about your machine.



FLEETLINK

Intelligent telematics system that helps optimize fleet usage, reduce maintenance costs, ultimately saving time and cost.



