



Atlas Copco



Complete submersible dewatering solutions

The WEDA range (60 Hz)

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 diffusers 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 and sludge 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) and sludge (S) applications.

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

Drainage pumps (WEDA D)	Sludge pumps (WEDA S)
	
 WATER DENSITY UP TO 100 kg/m ³	 WATER DENSITY UP TO 1400 kg/m ³
 DESIGN TOP DISCHARGE	 DESIGN BOTTOM SIDE DISCHARGE
SOLIDS  HANDLING UP TO 0.47 inch	SOLIDS  HANDLING UP TO 2 inch
 pH VALUES FROM 5 TO 8	 pH VALUES FROM 5 TO 8

Applications

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

WEDA D range

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

HIGH CORROSION RESISTANCE

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

FLEXIBILITY

Discharges can be mounted vertically or sideways as required

MOTOR PROTECTION

Class F motors, with thermal switches in each winding

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 SEALING

Ensures protection against water leakage from cable entry

MODULAR SEALING SOLUTION

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

IMPROVED WEAR RESISTANCE

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

**55
HRC**

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

MOTOR PROTECTION

Class F motors, with thermal switches in each winding

HIGHER SOLIDS HANDLING

Sludge pumps can handle solids up to 2 inch

**SOLIDS
HANDLING**
UP TO **2** inch

ROBUST DESIGN

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

WEDA+

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



EASY INSPECTION

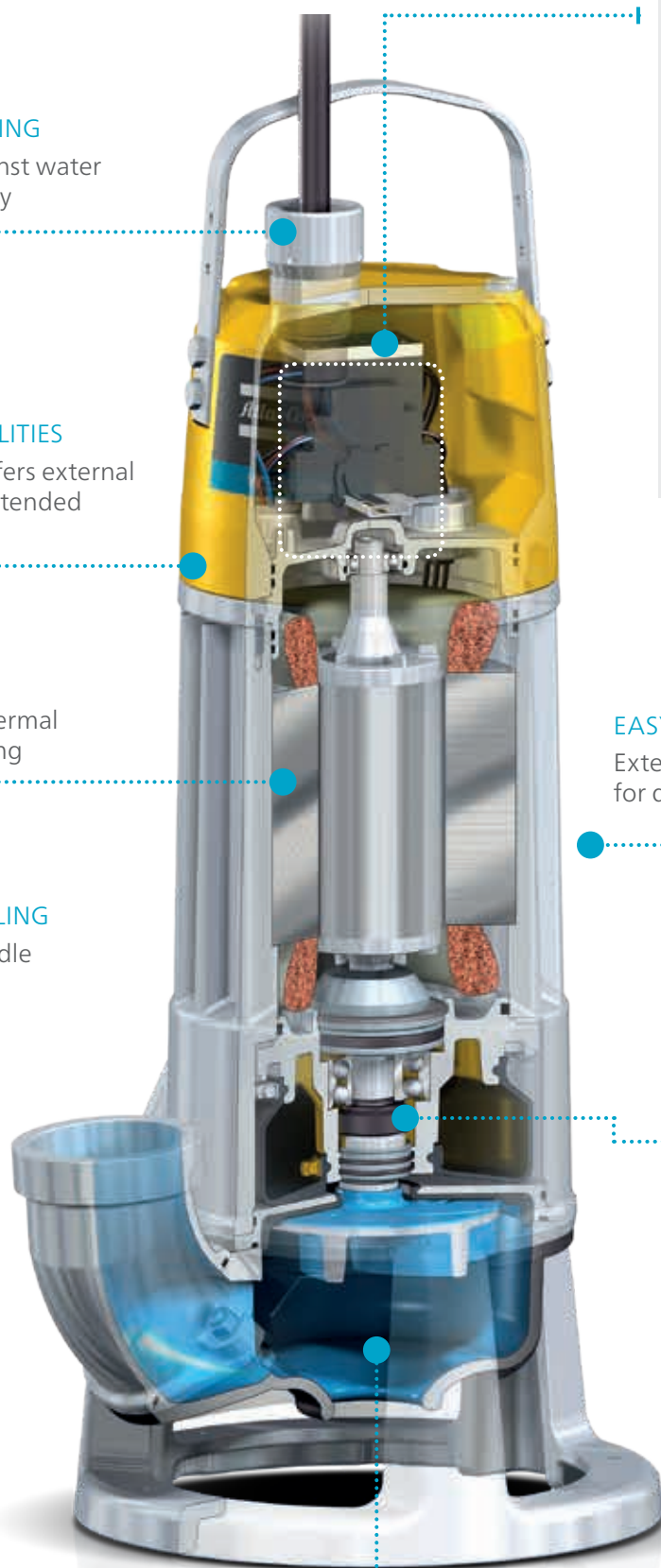
External oil inspection plug for quick inspection of oil

MODULAR SEALING SOLUTION

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

SUSTAINABLE PERFORMANCE

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



WEDA D range

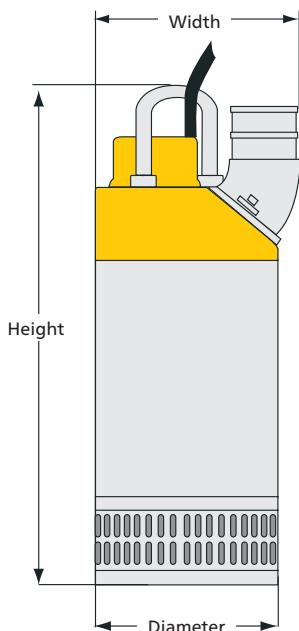
Technical data



		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	ft	39.4	39.4	53.3	52	52	58	58	90	83	72
Max. flow	US gpm	67.6	59.4	79.3	117	119	370	370	200	190	450
	m3/h	15.0	13.5	19.5	28	29	75	75	51	51	79
Rated output	hp	0.5	0.5	1.0	1.5	1.3	3.0	3.0	2.7	2.5	4.3
Max. power input	kW	0.65	0.65	1.2	1.5	1.2	3.1	2.9	3.0	2.6	3.8
Discharge connection	in	2"	1" (2" optional)	2"	2"	2"	3" (4")	3" (4")	3" (4")	3" (4")	3" (4")
Max solid handling size	in	0.3"	0.18"	0.3"	0.16"	0.16"	0.27"	0.27"	0.27"	0.27"	0.27"
Weight and dimensions											
Weight	lbs	20.0	21.0	27.4	27.5	27.5	44.0	44.0	44.0	44.0	55.0
Height	in	13.4	16.4	14.1	17.4	17.4	19.8	18.7	19.8	19.7	18.7
Width	in	8.3	10.0	8.3	8.7	8.7	11.2	11.2	11.2	11.2	11.2
Diameter	in	7.2	8.7	7.3	7.2	7.2	8.7	8.7	8.7	8.7	8.7

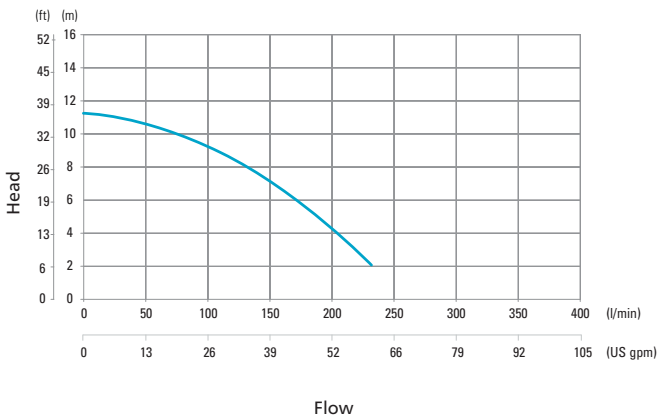
Typical applications

- General construction
- Mining
- Tunneling

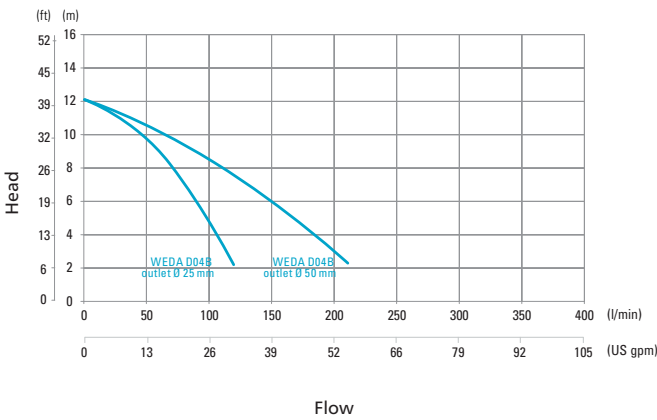


Performance curves

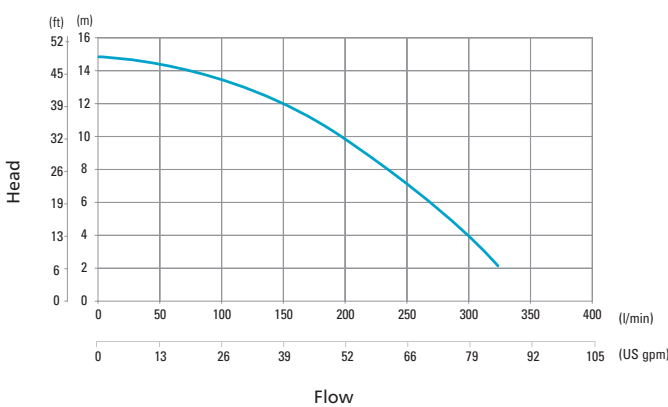
 WEDA D04N



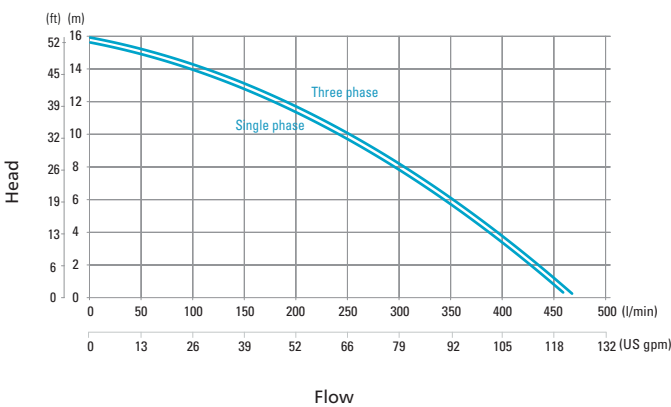
 WEDA D04BN



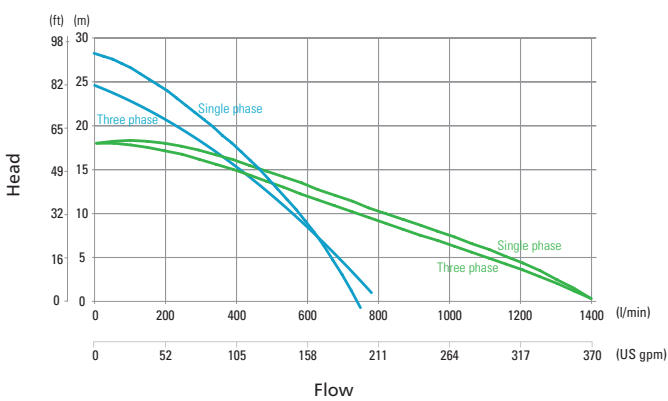
 WEDA D08N



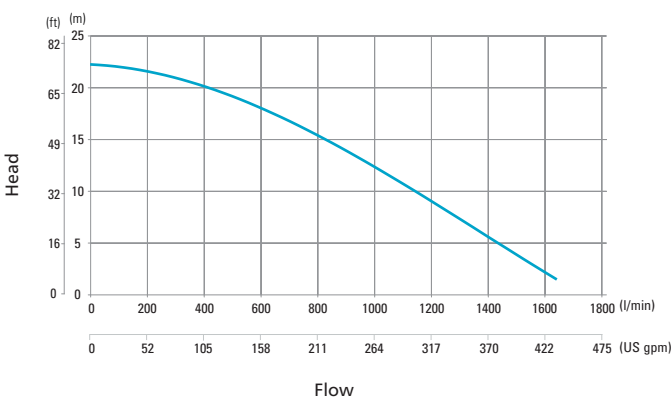
 WEDA D10N



 WEDA D30L, D30N



 WEDA D40N



— Normal head
— Low head

According to ISO 9906 – ANNEX A

WEDA D range

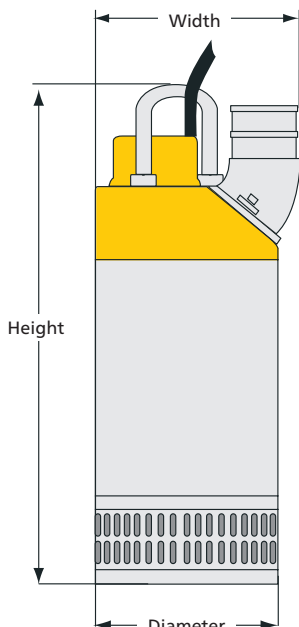
Technical data



		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	ft	83	135	100	170	250	110	254	145	240	120	325	115
Max. flow	US gpm	620	310	700	340	260	1200	300	1600	760	1700	560	6100
	m ³ /h	138	72	156	90	63	285	95	350	170	407	127	972
Rated output	hp	8.5	8.5	11.5	11.5	11.5	15.0	15.0	31	31	36	36	84
Max. power input	kW	7.5	7.5	9.9	9.9	10.0	15	16.2	26	26	30	31.0	80.0
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 solid handling size	in	0.32"	0.32"	0.32"	0.32"	0.32"	0.27"	0.27"	0.47"	0.47"	0.27"	0.27"	0.47"
Diameter	in	10.9	10.9	10.9	10.9	10.9	14.1	14.1	20.9	20.9	15.7	15.7	23.6
Weight and dimensions													
Weight	lbs	122	122	134	134	138	209	209	400	400	400	400	1124
Height	in	28.3	28.3	29.9	29.9	29.9	15.5	15.5	38.6	38.6	41.6	41.6	55.5
Width	in	13.0	11.9	13.0	11.9	11.9	35.8	35.8	27.2	26.2	17.2	17.2	25.5
Diameter	in	10.9	10.9	10.9	10.9	10.9	14.1	14.1	20.9	20.9	15.7	15.7	23.6

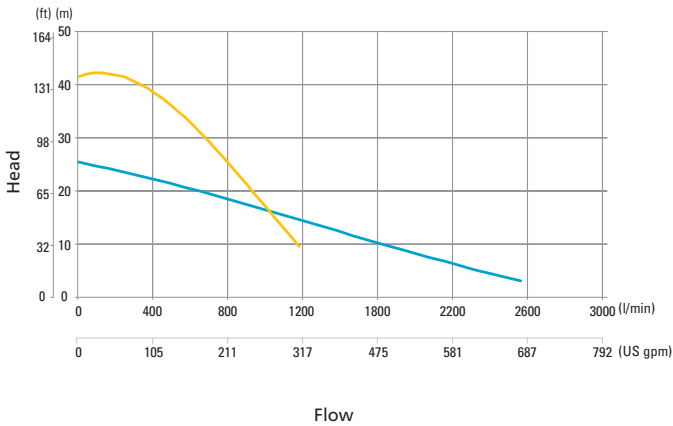
Typical applications

- General construction
- Mining
- Tunneling

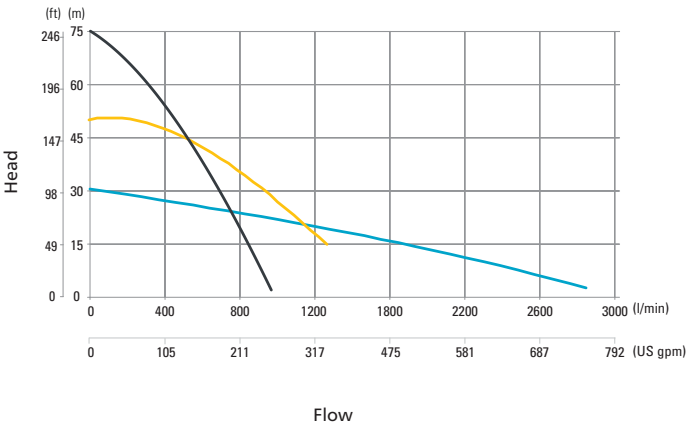


Performance curves

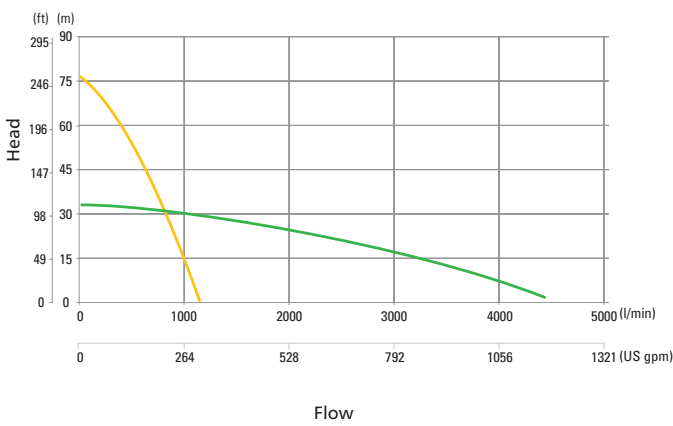
 WEDA D50N, D50H



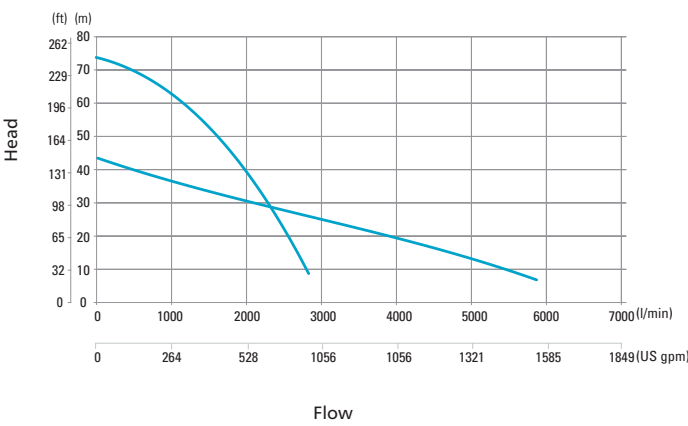
 WEDA D60N, D60H, D60SH



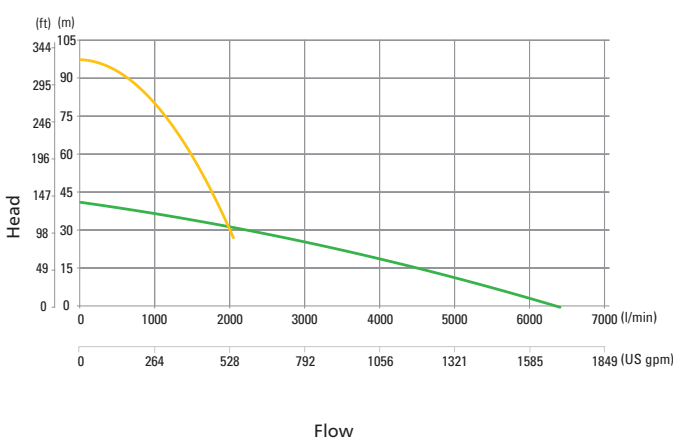
 WEDA D70L, D70H



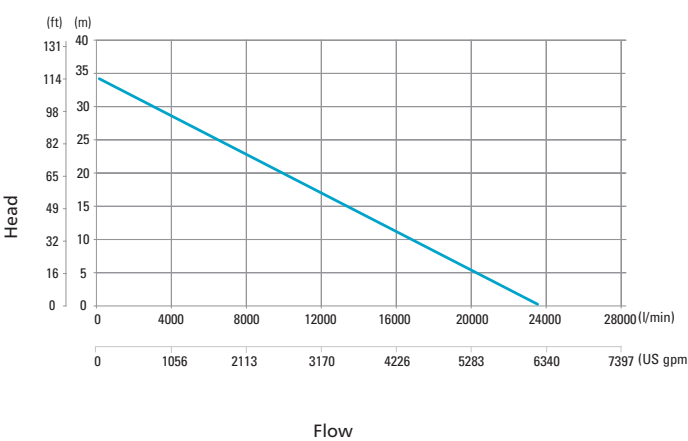
 WEDA D80N, D80H



 WEDA D90L, D90H



 WEDA D100N



- Super high head
- High head
- Normal head
- Low head

According to ISO 9906 – ANNEX A

WEDA S range

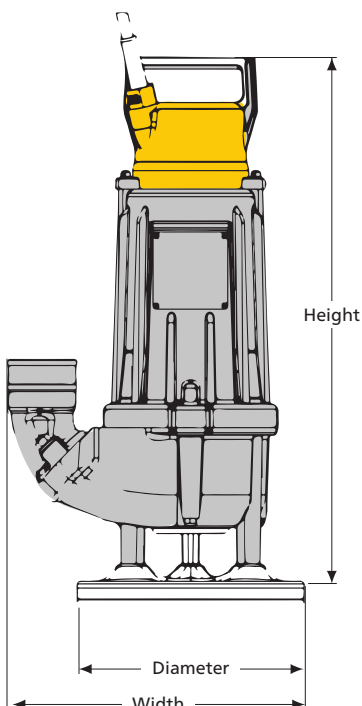
Technical data



		WEDA S04N	WEDA S08N	WEDA S30N		WEDA S60N
Specifications		1ph	1ph	1ph	3ph	3ph
Max. head	ft	32.8	48.6	51	61	100
Max. flow	US gpm	58.1	76.6	190	230	420
	m ³ /h	16.2	19.0	43	54	400
Rated output	hp	0.5	1.0	3.0	4.0	9.2
Max. power input	kW	-	-	2.8	3.6	8.0
Discharge connection	in	2"	2"	3"	3"	3" (4")
Max solid handling size	in	1"	1"	2"	2"	2"
Weight and dimensions						
Weight	lbs	22.1	28.7	55	55	143
Height	in	14.7	16.38	24.3	24.3	34.2
Width	in	10.9	10.9	12.8	12.8	17.7
Diameter	in	9.5	9.5	9.8	9.8	13.8

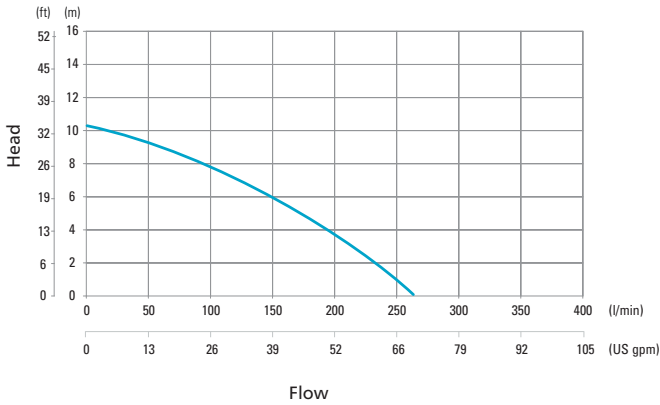
Typical applications

- Mining
- Construction sites
- Industries

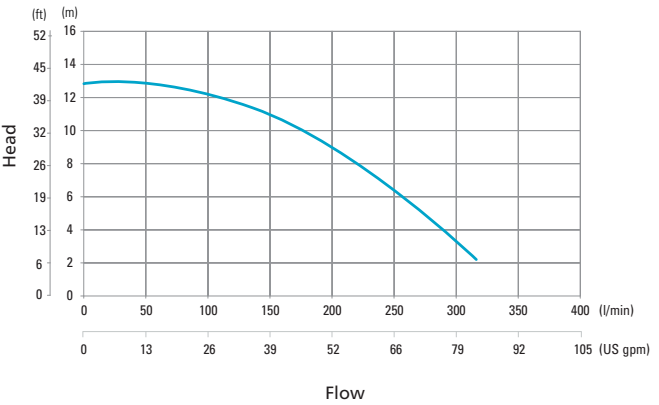


Performance curves

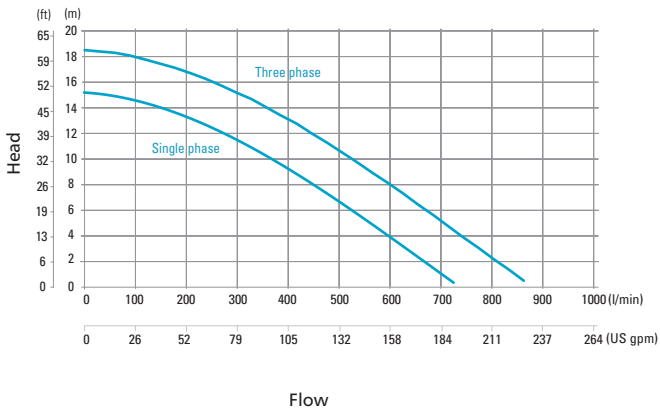
 WEDA S04N



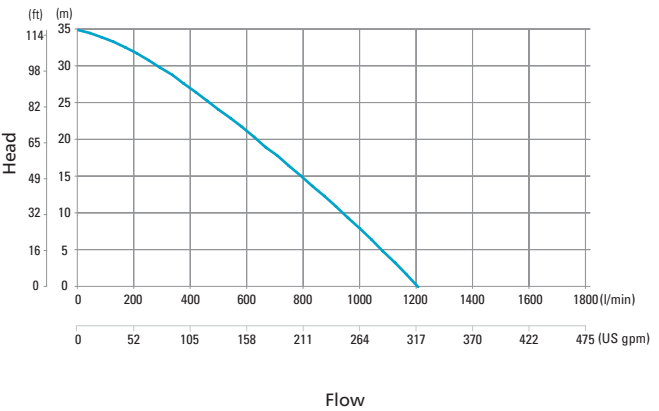
 WEDA S08N



 WEDA S30N



 WEDA S60N



Normal head

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
- Wear plate gasket
- Wear plate fixings
- Shaft key
- Impeller nut
- Rear wear plate*





Atlas Copco

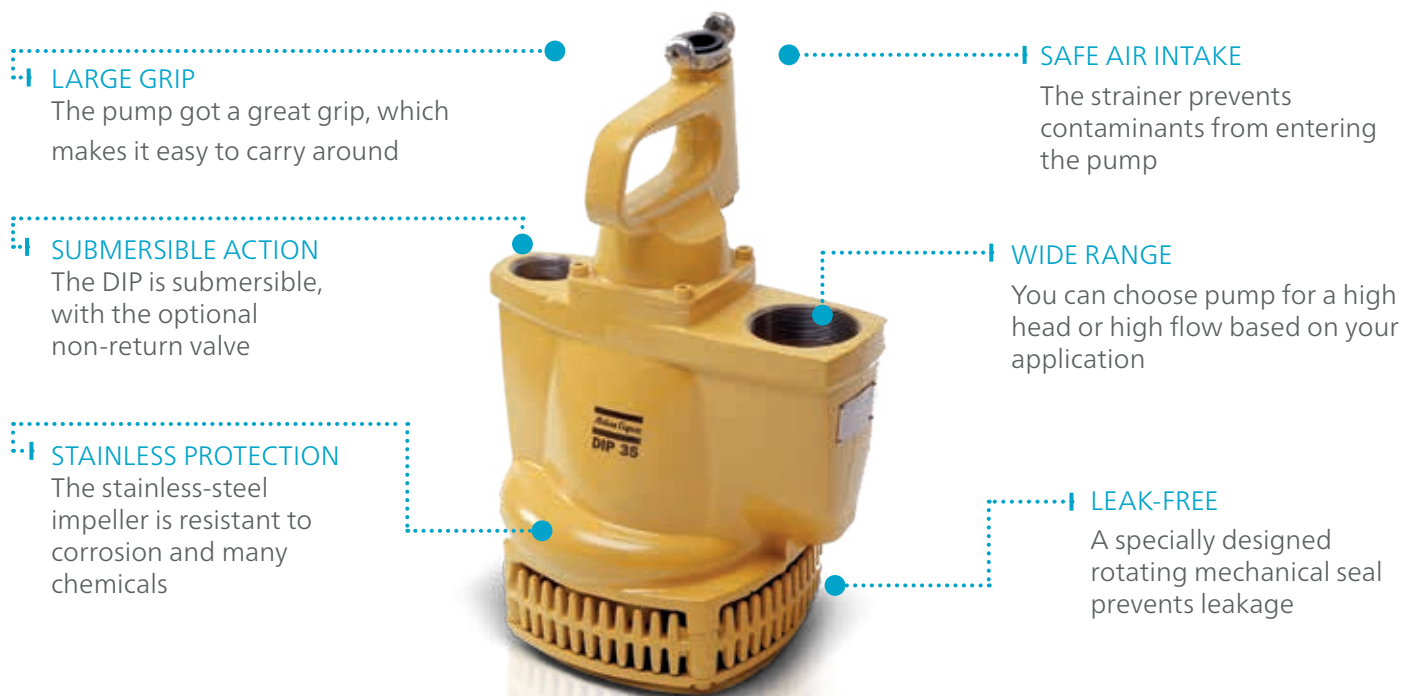


**Built better. Built to
resist and perform**

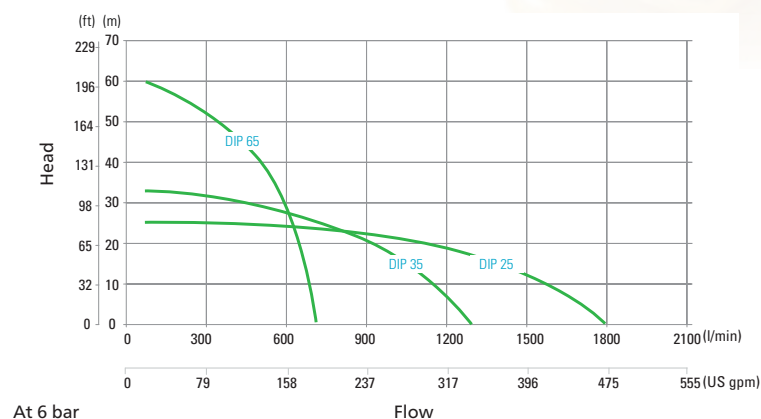
DIP pneumatic pump

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.



Flow chart



Specifications			DIP 25	DIP 35	DIP 65
Max. head		m	25	35	59
Max. flow		l/min	1680	1320	660
Max. flow		m ³ /h	270 58,1	79,2	39,6
Max. air requirements		l/s	70	70	70
Connection thread ¹	Fluid outlet	in	G 2 1/2	G 2 1/2	G 2 1/2
	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 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.

EASY TO HANDLE

It only takes one person to handle the DOP

SAFE INTAKE

The air intake with strainer prevents contaminants from entering the pump via the air

SELF-PRIMING

Reduces unnecessary handling in rough environments

REACH THE CORNERS

Thanks to the pivoting intake coupling together with an optional suction hose

SUBMERSIBLE

The built-in non-return valve makes the pump submersible and independent of orientation; add a silencer for lower noise levels

LIFT MORE

The DOP can be connected in series to increase the lifting capacity, or "head"

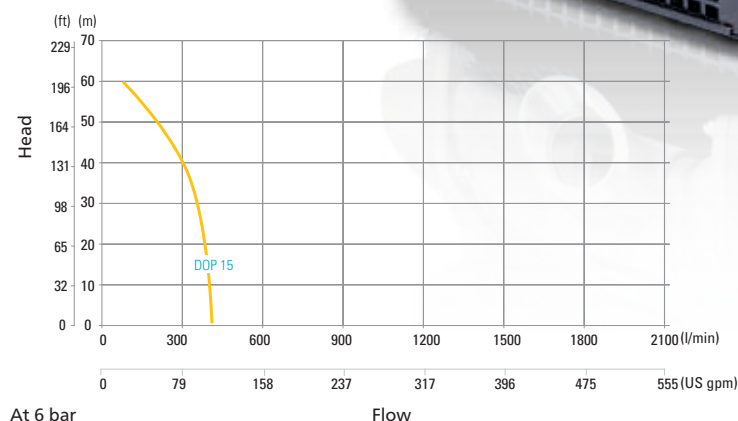
PIVOTING CONNECTION

Reduces stress on the hose

STABLE OPERATIONS

The strainer at the base prevents particles larger than 30 mm from passing through the pump

Flow chart



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

Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA



MOBILE
9–1250* kVA



INDUSTRIAL
10–2250* kVA



CONTAINERS
800–1450 kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
250–23.000 l/min



SURFACE PUMPS
833–23.300 l/min



SMALL PORTABLE
210–2500 l/min



Diesel and electric options available

LIGHT TOWERS

DIESEL LED AND MH



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.



Atlas Copco

Atlas Copco AB
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