



Atlas Copco



Technical drawing of a pump showing various dimensions and components. The drawing includes labels such as '1380 (1442)', '1634 (1682)', '1780 (1842)', 'C-C (1:3)', and 'D170'. The drawing is overlaid on a blue diagonal shape.

Complete submersible dewatering solutions

The WEDA range (50 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, 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.

Drainage pumps (WEDA D)	Sludge pumps (WEDA S)	Slurry pumps (WEDA L)
WATER DENSITY UP TO 1100 kg/m ³	WATER DENSITY UP TO 1400 kg/m ³	WATER DENSITY UP TO 1700 kg/m ³
DESIGN TOP DISCHARGE	DESIGN BOTTOM SIDE DISCHARGE	DESIGN BOTTOM SIDE AND TOP DISCHARGE
SOLIDS HANDLING 4-12 mm	SOLIDS HANDLING 25-50 mm	SOLIDS HANDLING 20-60 mm
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
- Quarries
- 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.

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

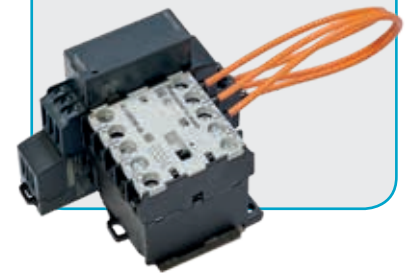
Class F motors, with thermal switches in each winding

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

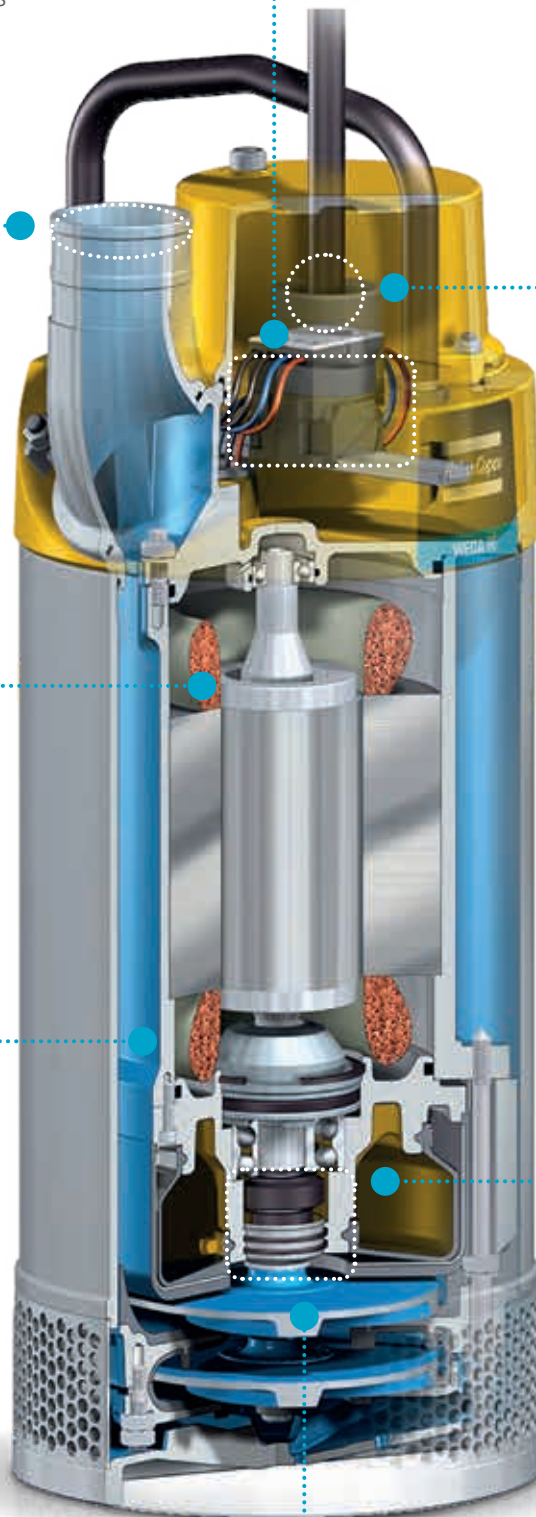
MODULAR SEALING SOLUTION

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





Atlas Copco



Tough environments demand tough pumps

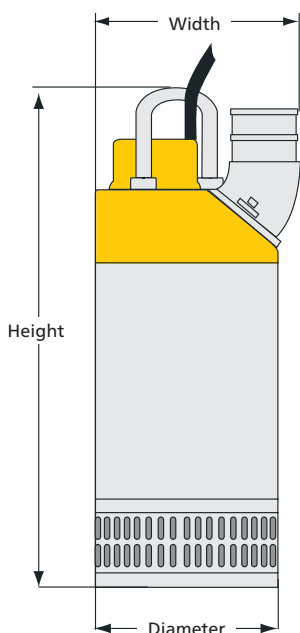
The unique aluminum alloy construction of the WEDA pumps provides high corrosion resistance in a wide range of applications.

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	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
	m ³ /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



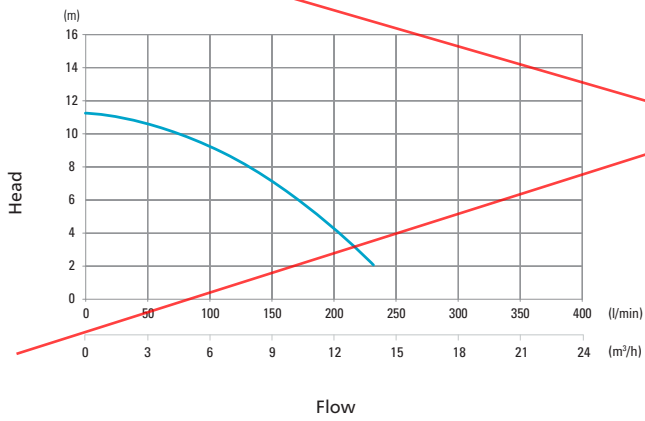
Typical applications

- General construction
- Ground water
- Raw water
- Construction sites

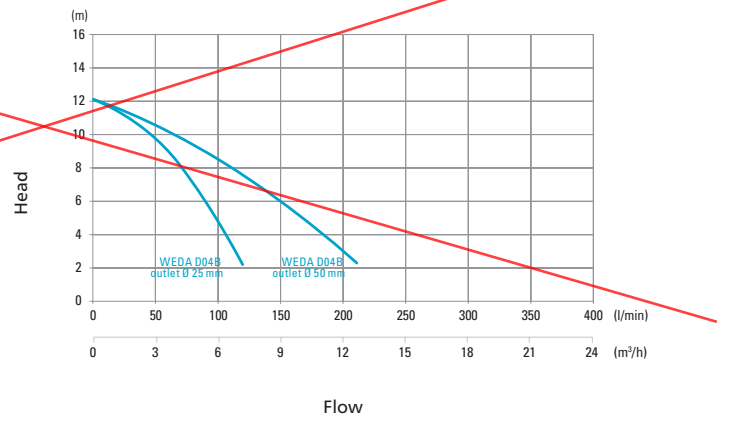


Performance curves

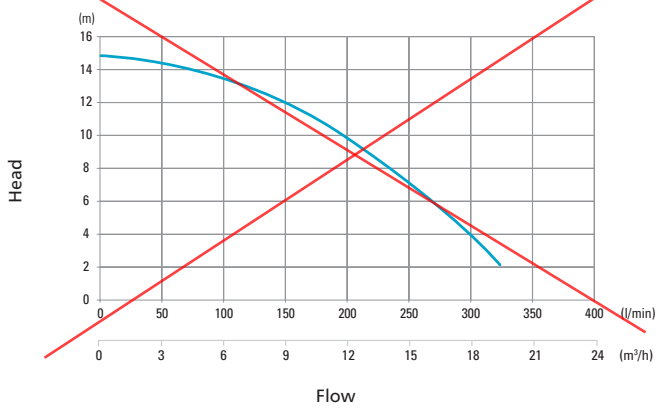
WEDA D04N



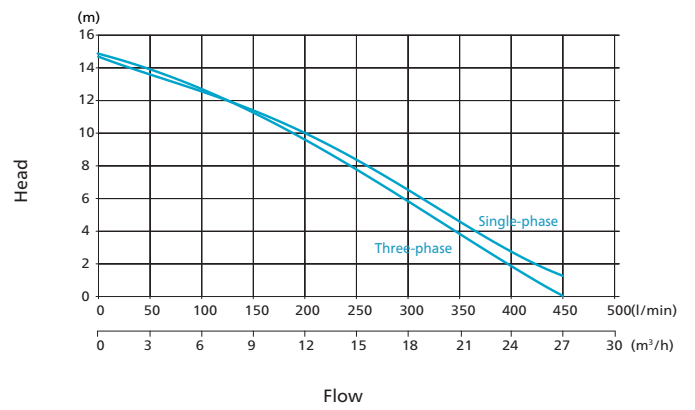
WEDA D04BN



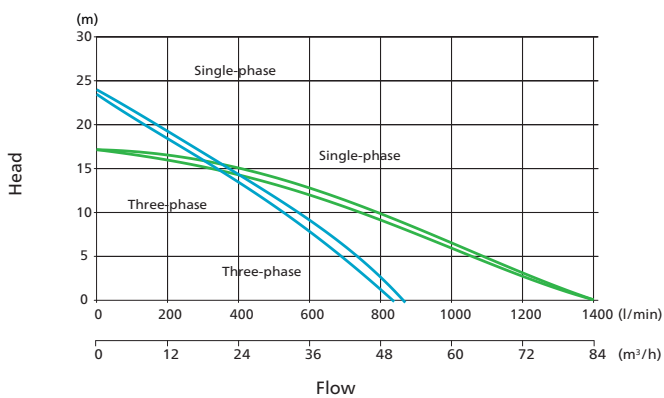
WEDA D08N



WEDA D10N

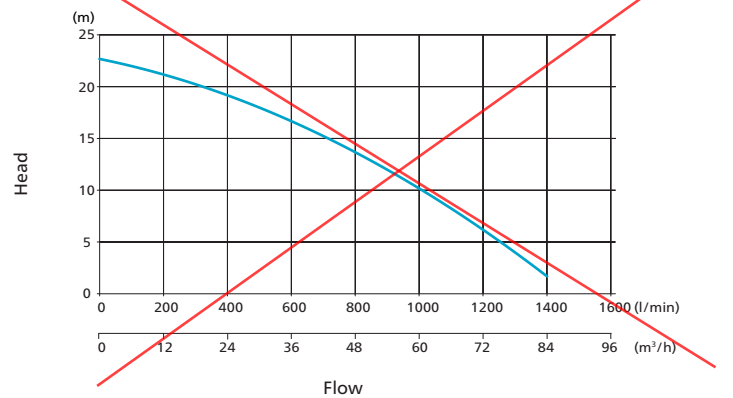


WEDA D30L, D30N



— Normal head
— Low head

WEDA D40N



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