

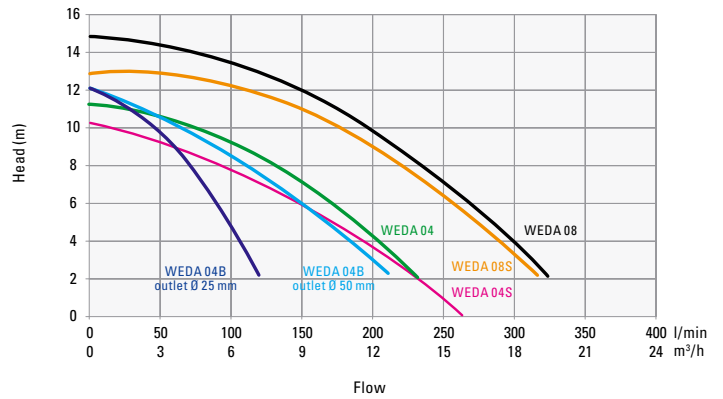
Small in size, light in weight, great in performance

The new Atlas Copco WEDA Small Range pumps are portable, light weight and easily maintained. They provide fast and efficient dewatering for a wide variety of applications, including:

- excavations in construction areas;
- general dewatering requirements at mine, shipyard and other industrial sites;
- fire brigades;
- utility installations and repairs;
- maintenance and clean-up tasks in urban areas; and
- government and military response and preparedness program.

The design of the pump's outer jacket for cooling and thermo protection keeps it running safely under various conditions. The triple shaft seal assures a long life time and the semi vortex wet end minimizes maintenance.

Flowchart

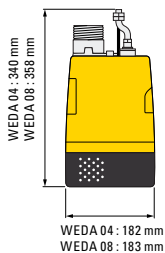


Technical data

		WEDA 04	WEDA 04B	WEDA 04S	WEDA 08	WEDA 08S
Discharge (smooth and threaded BSP)	mm / inch	50 / 2"	25 / 1" (50 / 2" optional)	50 / 2"	50 / 2"	50 / 2"
Motor rating	kW	0.40	0.40	0.40	0.75	0.75
Max. power input	kW	0.65	0.65	0.65	1.20	1.20
Voltage	V	220 (1 ph, 50 Hz)	220 (1 ph, 50 Hz)	220 (1 ph, 50 Hz)	220 (1 ph, 50 Hz)	220 (1 ph, 50 Hz)
Rated current	A	2.8	2.8	2.8	5.2	5.2
Max. flow	l/min	250	225 (with 2" discharge)	270	325	317
	m³/h	15	13.5	16.2	19.5	19
Head	m	11.3	12	10.5	15.2	13
Weight	kg	9	9.5	10	12.4	13
Max. size of solids handled	mm	7.5	4.5	25	7.5	25
Cable length	m	10	10	10	10	10
Max. submerged depth	m	5	5	5	5	5
Impeller type		semi vortex	semi vortex	vortex	semi vortex	vortex
Impeller material		polyurethane	polyurethane	cast iron	polyurethane	cast iron
Shaft seals		silicon carbide	silicon carbide	silicon carbide	silicon carbide	silicon carbide
Motor protection		thermal protection	thermal protection	thermal protection	thermal protection	thermal protection
Motor insulation class	class	E	E	E	E	E
Ph range	pH	6.5 - 8	6.5 - 8	6.5 - 8	6.5 - 8	6.5 - 8
Max. temperature of fluids	°C	35	35	35	35	35

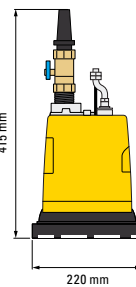
Features

- Dry running capacity;
- Thermal protection on motor;
- Plug and pump;
- Built-in high torque capacitor;
- Double mechanical shaft seals constructed from silicon carbide;
- Additional lip seal for extended lifespan of the primary seal;
- Smooth and threaded discharge connection supplied as standard with the pump;
- Easily accessed impeller and pump housing;
- ISO 9001 and CE approved.



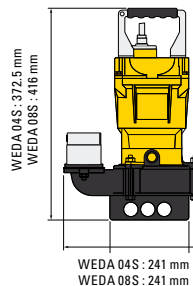
WEDA 04, WEDA 08 drainage pumps

- Polyurethane semi vortex impeller designed to handle water on construction sites, in manholes and industrial pits with very low risk of clogging;
- High torque capacitor/motor and a three terminal auto cut prevent the motor from overload and dry burning.



WEDA 04B residual pump

- Pumps down to 1 mm;
- Rubber coated bottom to avoid damage to tanks and pools;
- 25 mm Ø outlet with a non-return valve to lift and move the pump without spilling or losing suction;
- 50 mm Ø outlet transforms the pump into a regular dewatering pump.



WEDA 04S, WEDA 08S sludge/trash pumps

- Tough against sand, mud and trash;
- Designed with a vortex cast iron impeller and triple seal system;
- Particles and debris up to 25 mm can go through the pump housing with minimal wear;
- Same motor protection as for WEDA 04/08.

Product Reference WEDA 10 (50 Hz)

Electric submersible pump

Specifications

Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

Pump Types

WEDA 10 Medium head, single-phase or 3-phase

Electric Motor

Single-phase squirrel cage induction motor with built-in capacitor and contactor.

3-phase: Squirrel cage induction motor with built-in contactor.

Insulation: Class F (+155C), IEC 85

Data	WEDA 10	1~	3~
Rated Output	kW	1.0	1.0
Rated Current A	110v	13.0	
	230v	6.1	4.0
	400v		2.3
	500v		1.8
Shaft speed	rpm	2900	2900

Other voltage upon request

Motor Protection

Thermal switch in each winding (+130 degree C)

Cable

Oil and wear resistant rubber cable type HO7RN-F

1~: 15m 3 x 1.5 mm² (230v)

15m 3 x 2.5 mm² (110v)

3~: 15m 4 x 1.5 mm²

Shaft Seal

Primary and secondary grease lubricated lip seals against wear sleeve of tungsten carbide. Available in a complete seal pack or as separate items.

Bearings

Single-row ball bearing with C3 clearance

Materials

Castings:	Aluminium
Outer-casing:	Aluminium
Shaft:	Stainless steel
Fasteners:	Stainless steel
Impeller:	Cr-alloyed white cast iron
Wear parts:	Nitrile rubber

Discharge connection

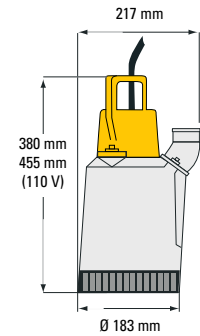
2" std, 1,5" opt, hose, BSP or NPT 1.5"

Accessories

- Low suction collar
- Float switch
- Zinc anodes
- Epoxy coating
- Stainless steel strainer
- Quick coupling type 1

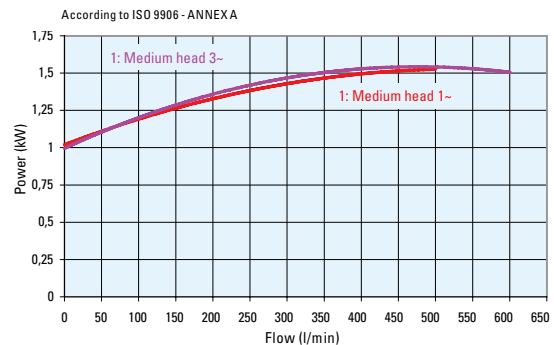


Weight : 12.5 kg
Max. solid size : 4mm

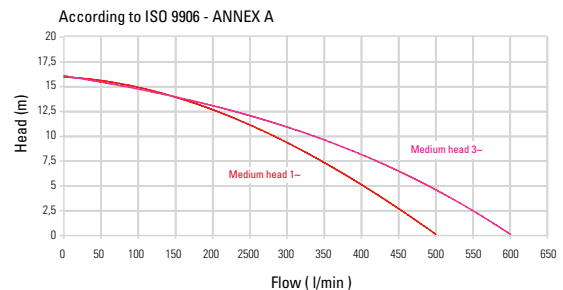


Dimensions (mm)

Power (kW)



Flow Chart



Features

- Robust design
- Lightweight and user friendly
- Wear resistant wet end in CR-alloy steel and natural rubber
- Adjustable wear parts
- Complete seal pack for easy and fast service
- Built-in capacitor and contactor
- Easy installation

Designed for

- Heavy duty pumping of abrasive liquids.
- Max submersible depth of 20m.
- Max temperature of liquid +40C.
- Max density of liquid, 1.100kg/m³.
- pH of the liquid between 5-8.
- For special applications contact Weda pump.

Product Reference WEDA 30 (50 Hz)

Electric submersible pump

Specifications

Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

Pump Types

WEDA 30N Medium head, single-phase or 3-phase
WEDA 30L Low head/High volume, single-phase or 3-phase

Electric Motor

Single-phase squirrel cage induction motor with built-in capacitor and contactor.

3-phase: Squirrel cage induction motor with built-in contactor.
Insulation: Class F (+155C), IEC 85

Data	WEDA 30L/N	1~	3~
Rated Output	kW	2.0	2.0
Rated Current A	230v	12.0	7.3
	400v		4.5
	500v		3.5
Shaft speed	rpm	2900	2900

Other voltage upon request

Motor Protection

Thermal switch in each winding (+130 degree C)

Cable

Oil and wear resistant rubber cable type HO7RN-F

1~: 15m 3 x 2.5 mm²

3~: 15m 4 x 1.5 mm²

Shaft Seal

Double seals with oil compartment

Primary seal: Silicon carbide against silicon carbide.

Secondary seal: Lip seal against wear sleeve.

Bearings

Single-row ball bearing with C3 clearance.

Materials

Castings:	Aluminium
Outer-casing:	Aluminium
Shaft:	Stainless steel
Fasteners:	Stainless steel
Impeller:	Cr-alloyed white cast iron
Wear parts:	Nitrile rubber

Discharge connection

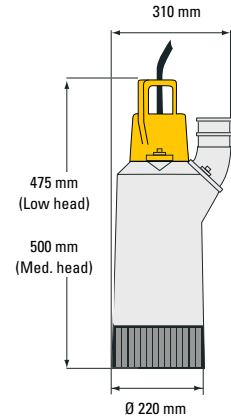
3" std, 4" opt, hose, BSP or NPT

Accessories

- Low suction collar
- Float switch
- Zinc anodes
- Stainless steel strainer
- Epoxy coating
- Quick coupling type 1, 2,5"



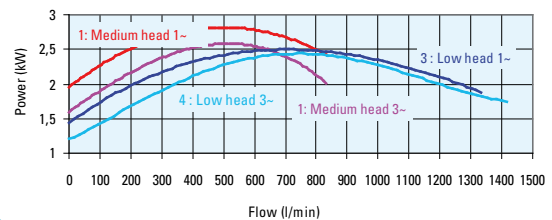
Weight : 20 kg
Max. solid size : 7mm



Dimensions (mm)

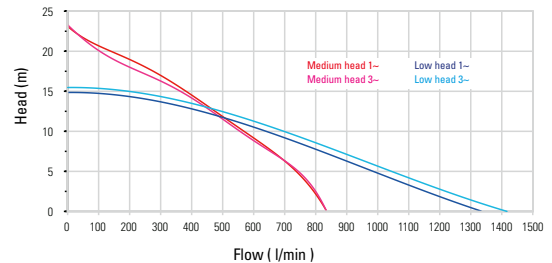
Power (kW)

According to ISO 9906 - ANNEX A



Flow Chart

According to ISO 9906 - ANNEX A



Features

- Robust design
- Lightweight and user friendly
- Wear resistant wet end in CR-alloy steel and natural rubber
- Adjustable wear parts
- Built-in capacitor and contactor
- Easy installation

Designed for

- Heavy duty pumping of abrasive liquids.
- Max submersible depth of 20m.
- Max temperature of liquid +40C.
- Max density of liquid, 1.100kg/m³.
- pH of the liquid between 5-8.
- For special applications contact Weda pump.

Product Reference WEDA 50 (50 Hz)

Electric submersible pump

Specifications

Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

Pump Types

WEDA 50L Low head/high volume
WEDA 50N Medium head
WEDA 50H High head

Electric Motor

3-phase: Squirrel cage induction motor with built-in contactor.
Insulation: Class F (+155C), IEC 85

Data		WEDA 50L	WEDA 50N	WEDA 50H
Rated Output	kW	4.7	4.7	4.7
Rated Current A	230v	16.0	16.0	16.0
	400v	9.8	10.0	14.4
	500v	7.0	8.1	10.8
Shaft speed	rpm	2900	2900	2900

Other voltage upon request

Motor Protection

Thermal switch in each winding (+130 degree C)

Cable

Oil and wear resistant rubber cable type HO7RN-F
230v, 20m 4 x 4mm²
400v, 20m 4 x 2.5mm²

Shaft Seal

Primary seal: Silicon carbide against silicon carbide.
Secondary seal: Silicon carbide against silicon carbide.
Available in a complete instant service pack or as separate items

Bearings

Single-row ball bearing with C3 clearance.

Materials

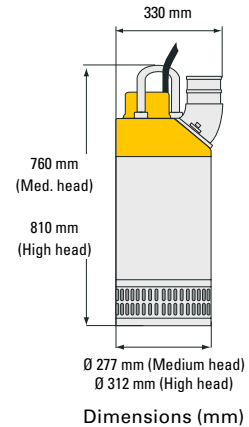
Castings: Aluminium
Outer-casing: Aluminium
Shaft: Stainless steel
Fasteners: Stainless steel
Impeller: Cr-alloyed white cast iron, 55Rc
Wear parts: Nitrile rubber

Discharge connection

4" std for WEDA50L and WEDA50N,
3" std for WEDA50H, for hose, BSP or NPT

Accessories

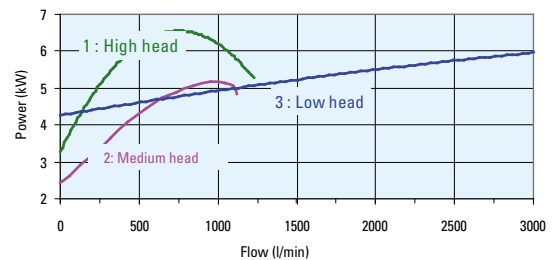
- Float switch
- Zinc anodes
- Epoxy coating
- NVB automatic level control



Weight: WEDA50L/N 55 kg
WEDA 50H 63 kg
Max. solid size : 6mm

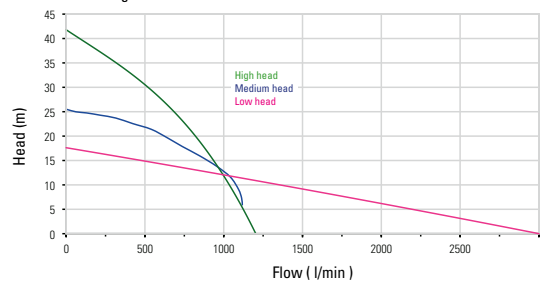
Power (kW)

According to ISO 9906 - ANNEX A



Flow Chart

According to ISO 9906 - ANNEX A



Features

- Robust design
- Lightweight and user friendly
- Wear resistant wet end in CR-alloy steel and natural rubber
- Adjustable wear parts
- Complete instant service pack for easy and fast service
- Built-in contactor
- Easy installation

Designed for

- Heavy duty pumping of abrasive liquids
- Max submersible depth of 20m
- Max temperature of liquid +40C
- Max density of liquid, 1.100kg/m³
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