



Atlas Copco



Complete submersible dewatering solutions

The WEDA range (60 Hz) US market

WEDA submersible 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 or a terminal board connection to connect to an external control box 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.

WATER
DENSITY →  →
UP TO **14.18** lb/gal

SOLIDS
HANDLING
UP TO **2.5** inch 

UP TO
40% 
LIGHTER
IN WEIGHT

HIGH WEAR
RESISTANCE




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 **9.18** lb/gal



WATER DENSITY UP TO **11.68** lb/gal



WATER DENSITY UP TO **14.18** lb/gal



DESIGN
TOP
DISCHARGE



DESIGN
BOTTOM SIDE
DISCHARGE



DESIGN
BOTTOM SIDE AND
TOP DISCHARGE

SOLIDS
HANDLING
UP TO **0.5** inch

SOLIDS
HANDLING
UP TO **2** inch

SOLIDS
HANDLING
UP TO **2.5** inch

pH VALUES
FROM **5** TO **8**

pH VALUES
FROM **5** TO **8**

pH VALUES
FROM **2** TO **10**

- 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

Drainage pumps WEDA D

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

WEDA+ *

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

* or with terminal board motor connection.

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

IMPROVED CABLE SEALING

Ensures protection against water leakage from cable entry

HIGH CORROSION RESISTANCE

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

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

560 
HB

Sludge pumps WEDA S

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

* or with terminal board motor connection.



EASY INSPECTION

External oil inspection plug for quick inspection of oil

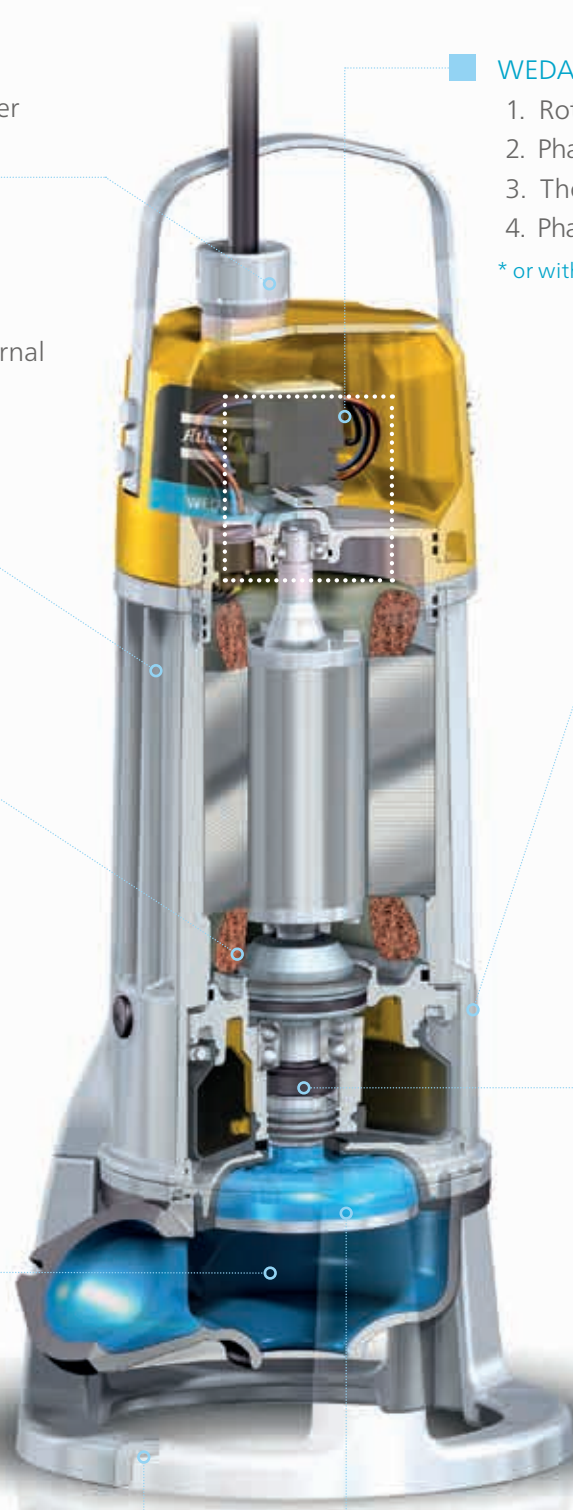
MODULAR SEALING SOLUTION

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

SUSTAINABLE PERFORMANCE

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

560 
HB



Slurry pumps WEDA L

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

EFFICIENT MOTOR

Electric motor insulation class H with PTC and Clicson thermal protection and service factor S1

EASY ACCESS

Efficient motor cooling with top discharge and side flow

ROBUST DESIGN

Heavy duty bearings to withstand shocks and overloads

HIGH ABRASION RESISTANCE

Thanks to the high-chrome wear parts

REINFORCED SEALING

A double silicon carbide mechanical seal for duty application

HIGHER SOLIDS HANDLING

Slurry pumps can handle solids up to 2.5 in

SUSTAINABLE PERFORMANCE

High efficiency high chrome agitator to lift settled solids



**SOLIDS
HANDLING**
UP TO **2.5** inch

We have all the accessories you need for your WEDA pump

Control panel

For easy control of pumps, different options available.



Discharge connections

It can be mounted in either a vertical or horizontal position.



• NPT

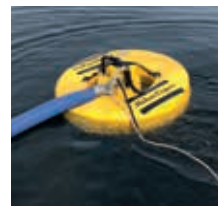
Slim Adapter

For lowering pumps in narrow pipes and manholes D50H, D60H, D70H, D90H only



Raft

For easy floatation of pump with fluctuating water levels. Strainer option available



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.

Epoxy coating

For protecting pumps in highly acidic media.

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.

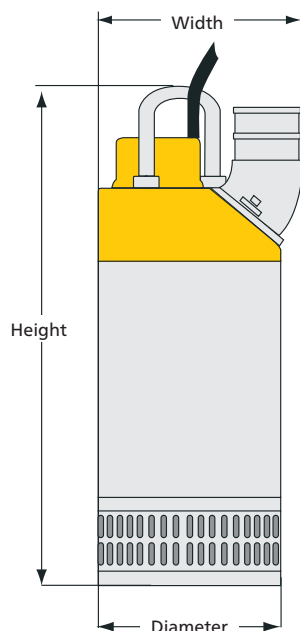
- Impeller
- Wear plate
- Diffuser
- Impeller nut

Drainage pumps, WEDA D

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
	m ³ /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	4
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	44	44	44	55.0
Height	in	13.4	16.4	14.1	15.5	15.5	20.6	20.6	19.4	19.4	20.6
Width	in	8.3	10.0	8.3	8.8	8.8	11.4	11.4	11.4	11.4	11.4
Diameter	in	7.2	8.7	7.3	7.3	7.3	8.7	8.7	8.7	8.7	8.7



Typical applications

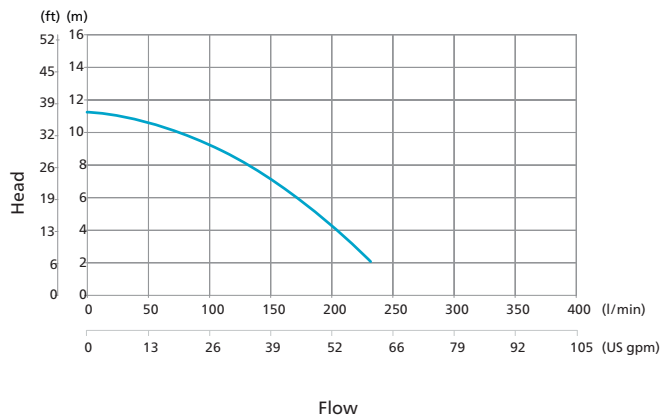
- General dewatering
- Ground water
- Raw water
- Construction sites



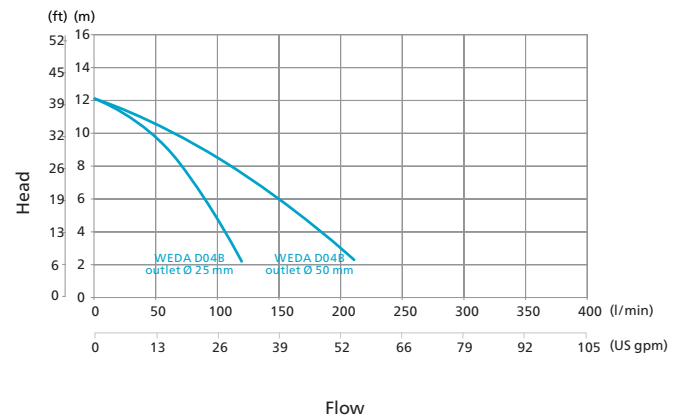
Performance curves



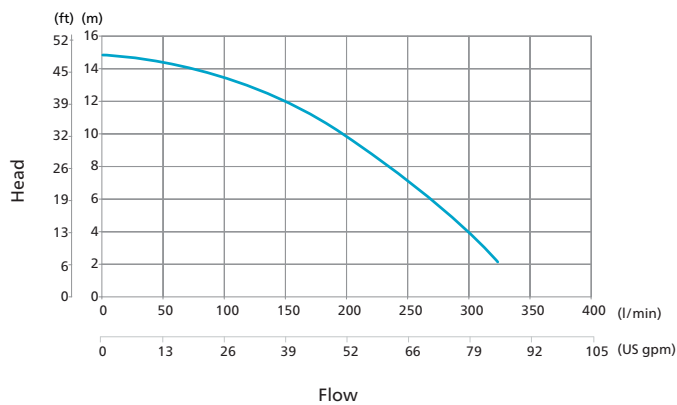
WEDA D04N



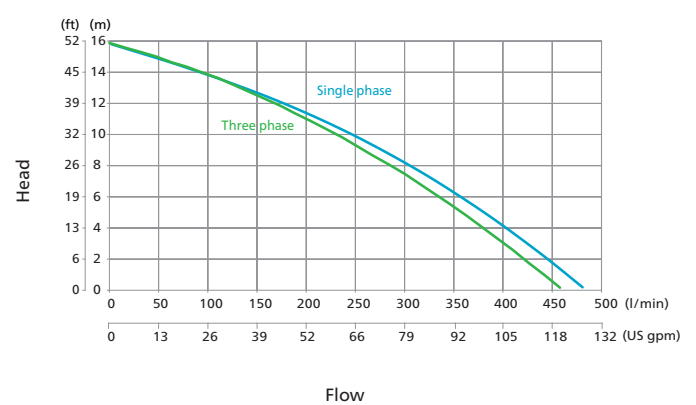
WEDA D04BN



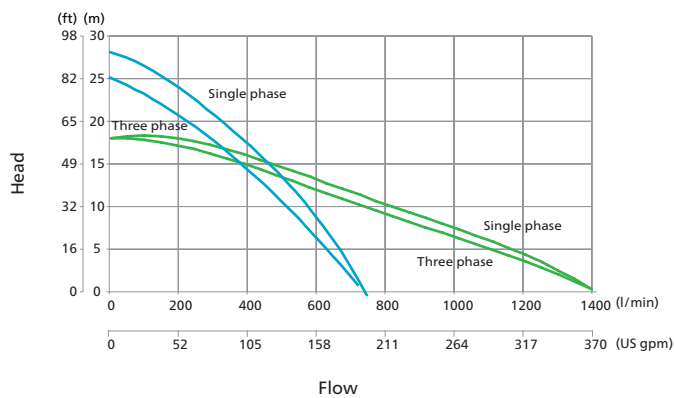
WEDA D08N



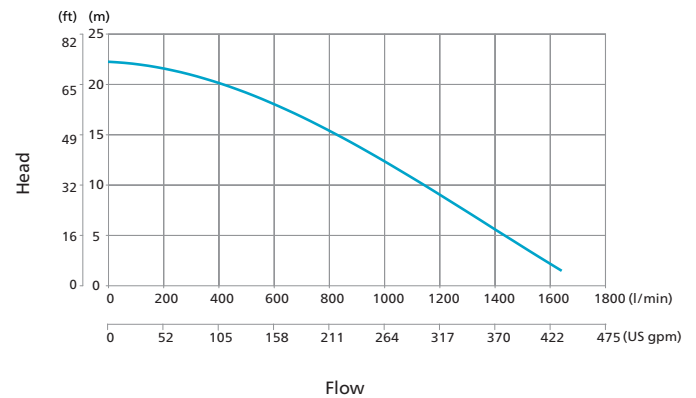
WEDA D10N



WEDA D30L, D30N



WEDA D40N



— Normal head
— Low head

According to ISO 9906 – ANNEX A

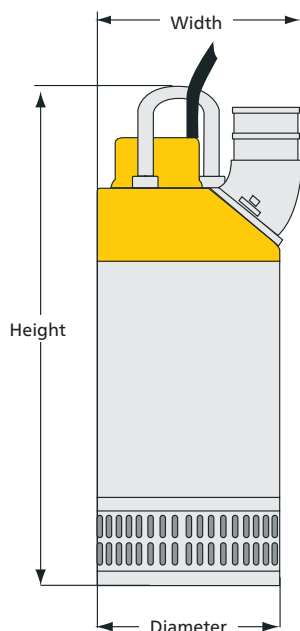
(continue)

Drainage pumps, WEDA D

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
	m3/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	10.0	10.0	10.0	13.4	16.2	26	26	28.6	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"
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	43.4	43.4	55.5
Width	in	13.0	11.9	13.0	11.9	11.9	35.8	35.8	27.2	26.2	18.9	18.9	25.5
Diameter	in	10.9	10.9	10.9	10.9	10.9	14.1	14.1	20.9	20.9	15.8	15.8	23.6



Typical applications

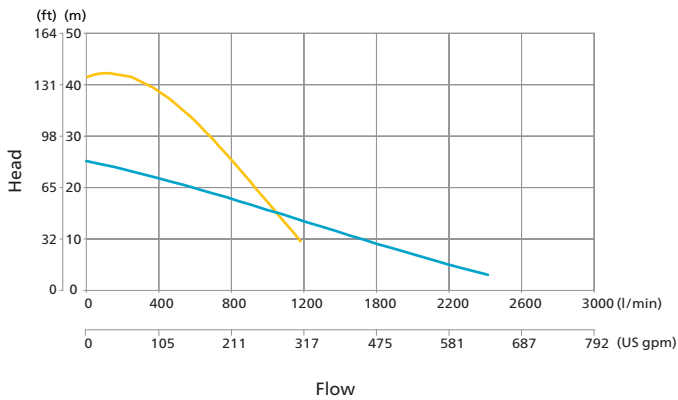
- General dewatering
- Ground water
- Raw water
- Construction sites



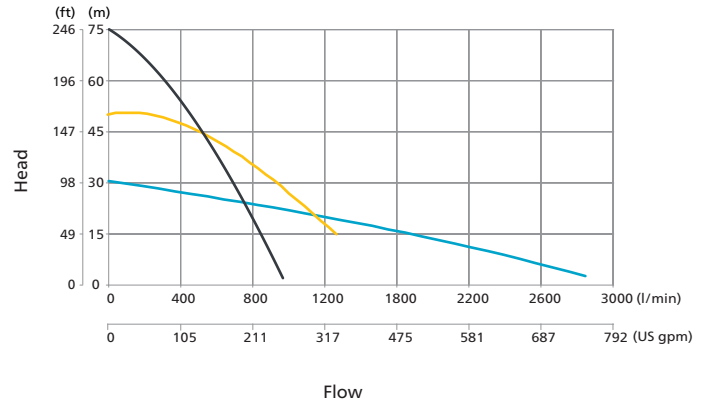
Performance curves



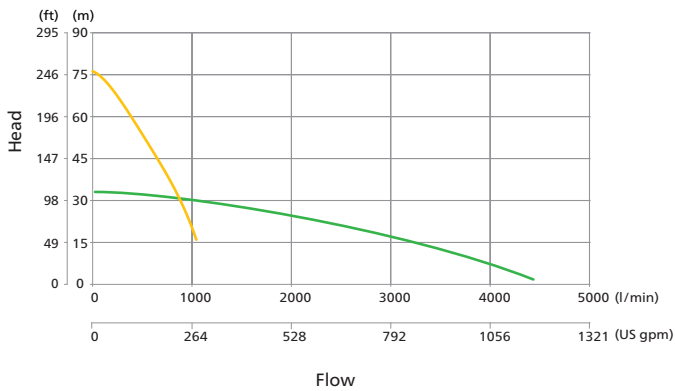
WEDA D50N, D50H



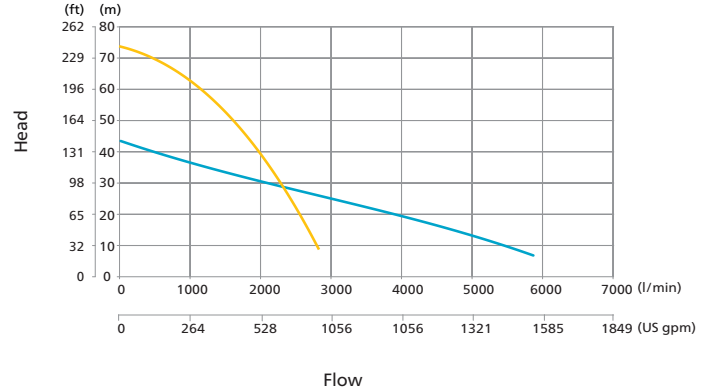
WEDA D60N, D60H, D60SH



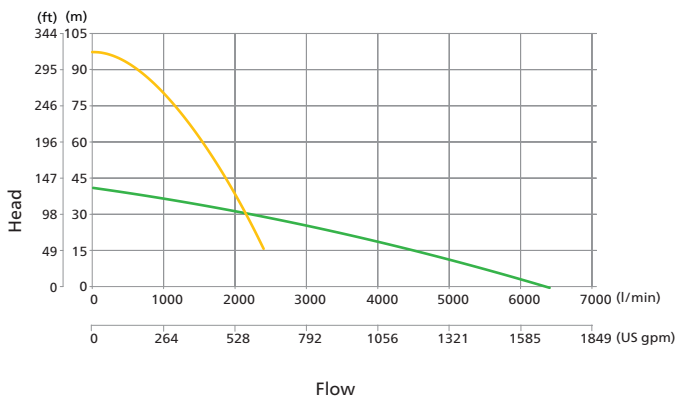
WEDA D70L, D70H



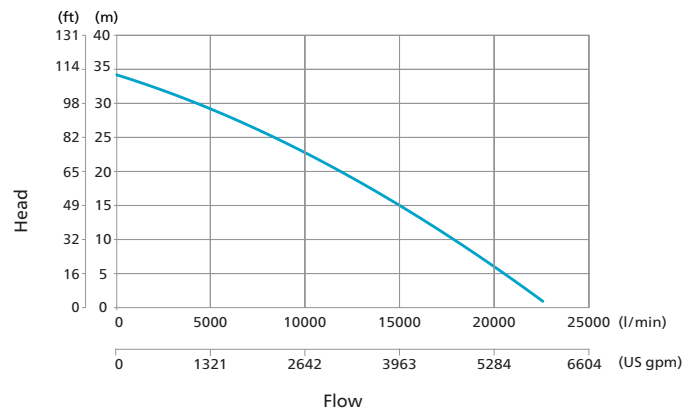
WEDA D80N, D80H



WEDA D90L, D90H



WEDA D100N



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

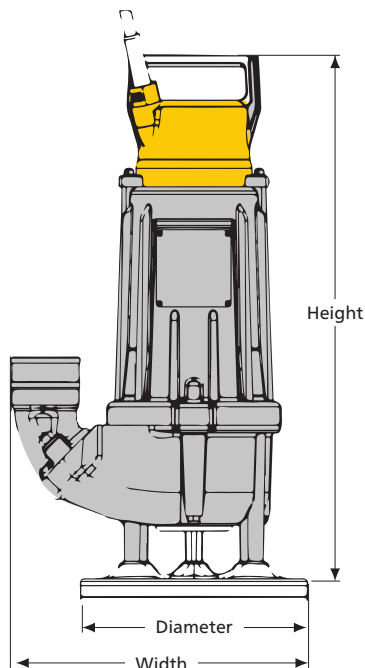
According to ISO 9906 – ANNEX A

Sludge pumps, WEDA S

Technical data



		WEDA S04N	WEDA S08N	WEDA S30N		WEDA S50N	WEDA S60N
Specifications		1ph	1ph	1ph	3ph	3ph	3ph
Max. head	ft	32.8	48.6	51	61	92	100
Max. flow	US gpm	58.1	76.6	190	230	370	420
	m³/h	16.2	19.0	43	52	84	95
Rated output	hp	0.5	1.0	3.0	4.0	6.2	9.2
Max. power input	kW	-	-	2.8	3.6	7.0	8.0
Discharge connection	in	2"	2"	3"	3"	4" (3")	4" (3")
Max solids handling size	in	1"	1"	2"	2"	2"	2"
Weight and dimensions							
Weight	lbs	22.1	28.7	55	55	130	143
Height	in	14.7	16.38	24.3	24.3	32	34.2
Width	in	10.9	10.9	12.8	12.8	18	17.7
Diameter	in	9.5	9.5	9.8	9.8	14	13.8



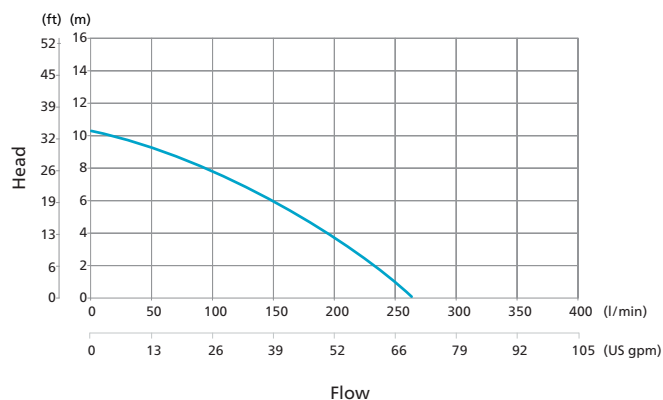
Typical applications

- Water containing mud
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining

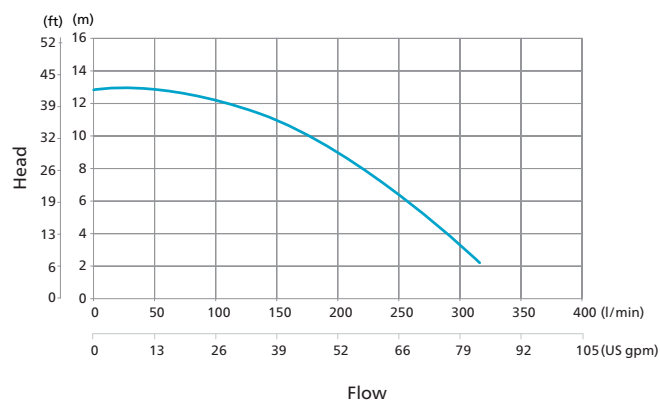


Performance curves

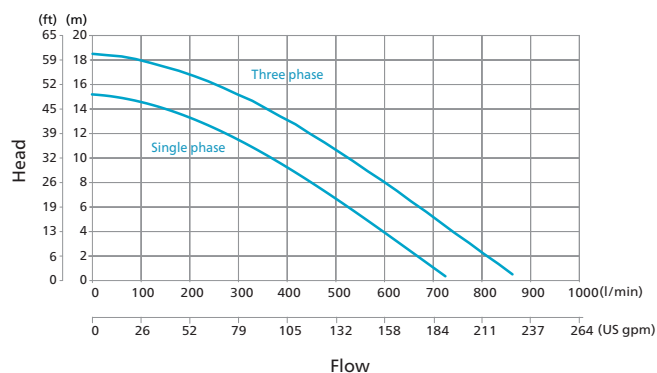
WEDA S04N



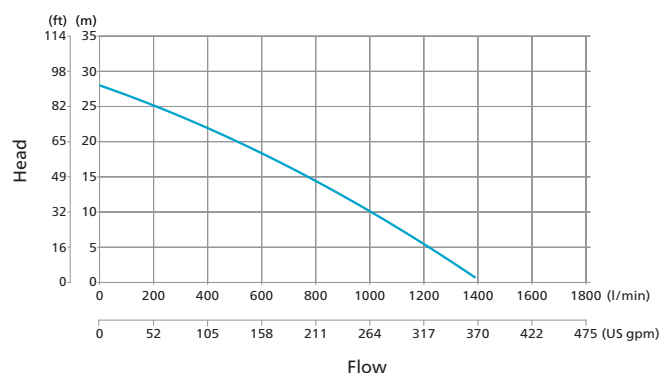
WEDA S08N



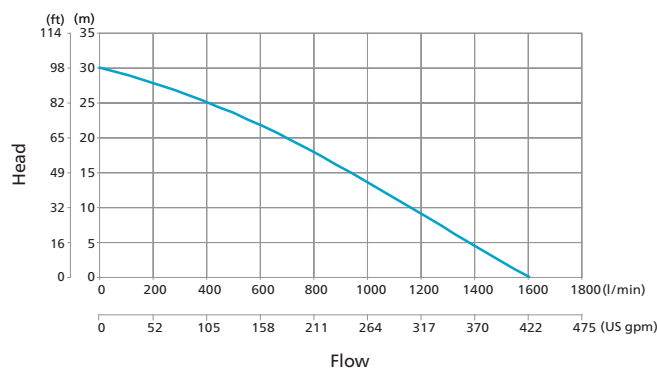
WEDA S30N



WEDA S50N



WEDA S60N



— Normal head

According to ISO 9906 – ANNEX A

Slurry pumps, WEDA L

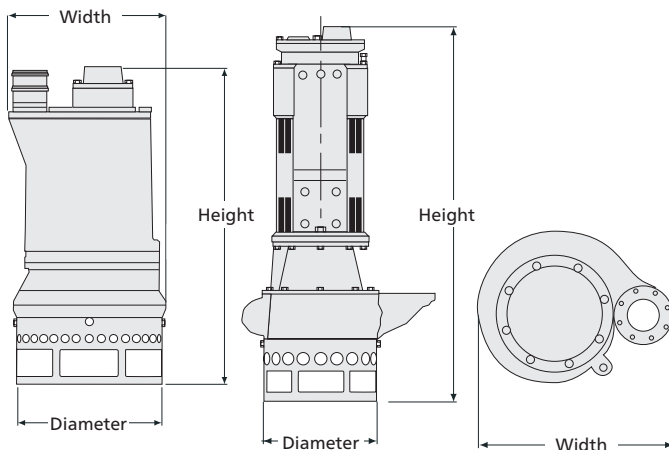
Technical data



		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	ft	47	57	75	85	98	171	108	174
Max. flow	US gpm	247	308	440	616	660	880	1320	2112
	m ³ /hr	57	71	101	142	152	202	304	486
Rated output	hp	5	7	12	15	20	50	60	101
Max. power input	kW	6	9	14	17	22	54	65	107
Discharge connection	in	3" NPT	4" NPT	4" NPT	4" NPT	ASME 4" 150lb	ASME 6" 150lb	ASME 6" 150lb	ASME 6" 150lb
Max solid handling	in	0.8	1.0	1.0	1.0	1.0	1.4	2.4	2.4
Weight and dimensions									
Weight	lbs	408	573	573	595	684	1654	2216	2359
Height	in	31	36	36	36	42	63	63	63
Width	in	15	17	17	17	23	37	37	37
Diameter	in	13	16	16	16	19	21	21	21

Typical applications

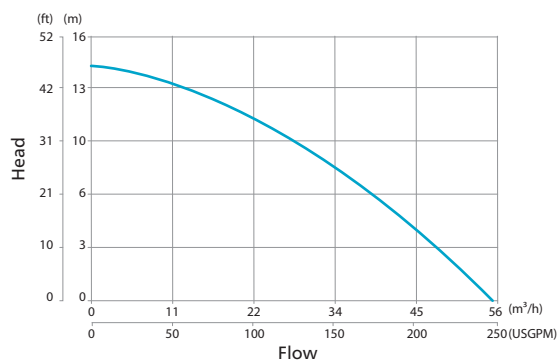
- Abrasive media with high solids content
- Quarries
- Dredging
- Settling ponds



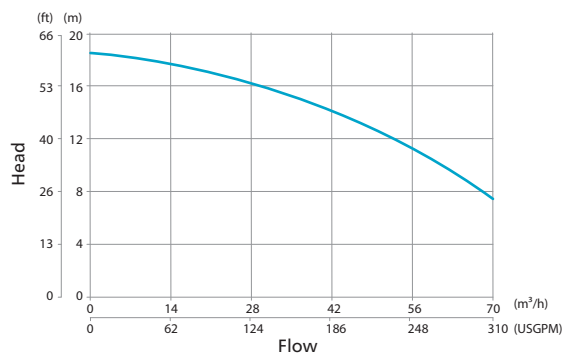
Performance curves



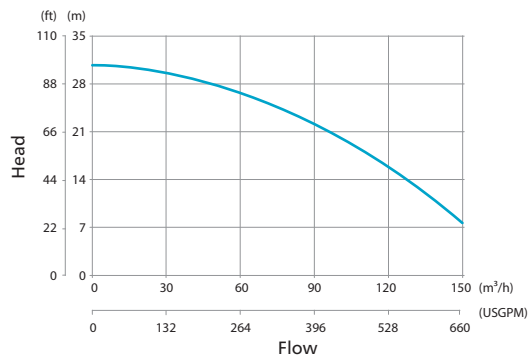
WEDA L40N



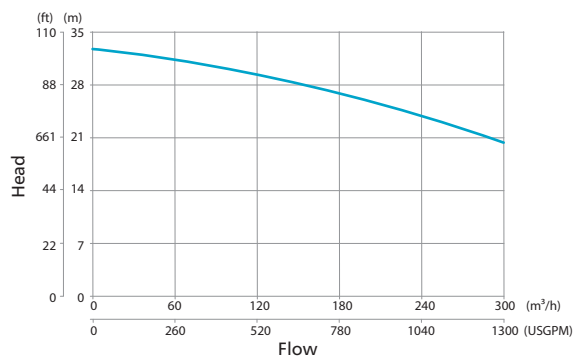
WEDA L60N



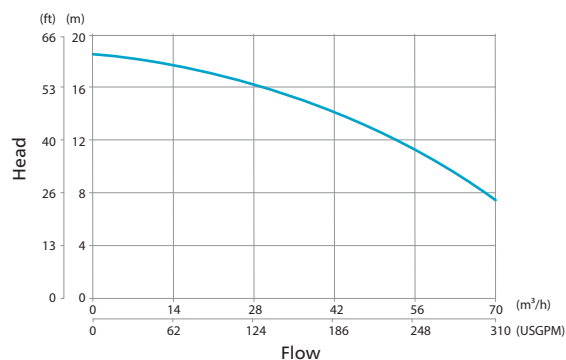
WEDA L80N



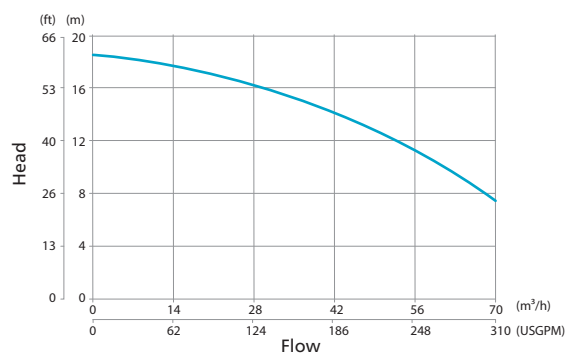
WEDA L100N



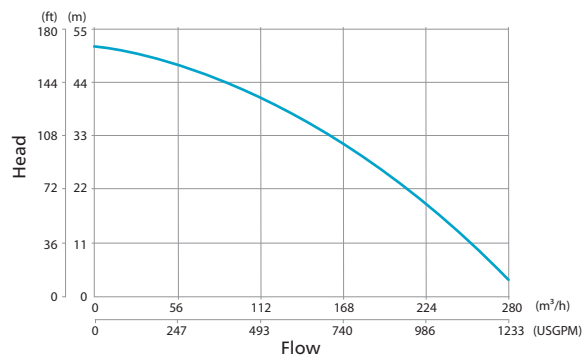
WEDA L50N



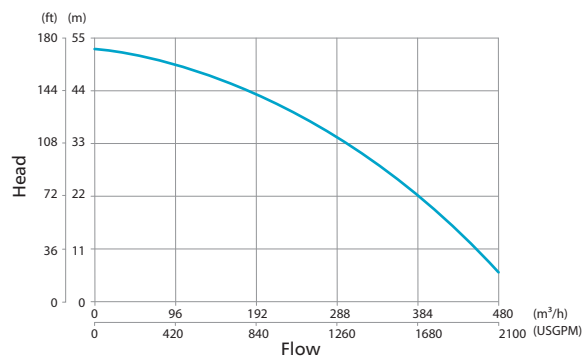
WEDA L70N



WEDA L95N



WEDA L110N



Normal head

According to ISO 9906 – ANNEX A

Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA



MOBILE
25–1,200* kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
up to 6,100 US gpm



SURFACE PUMPS
up to 8,500 US gpm



Diesel and electric options available

LIGHT TOWERS

METAL HALIDE



**DIESEL LED
ELECTRIC LED**



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS
110–1,800 cfm
58–508 psi



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.



LIGHT THE POWER YOUR SIZING TOOL

A useful calculator to help you choose the best solution for your power and light needs



FLEETLINK

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



Atlas Copco

Atlas Copco AB
atlascopco.com