



Atlas Copco

Complete submersible dewatering solutions

The WEDA pump range (60Hz)

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 along with optional automatic level control. Starting with the WEDA D70 in 2021, more and more WEDA pump models are updated with patented Wear Deflector Technology that provides state-of-the-art wear resistance as well as quick readjustment to as-new performance.

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.

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. Repairability of our products is built-in right from the design stage. This minimizes down-time and reduces environmental footprint, a testament to our pledge to sustainability.



**SPECIFIC
GRAVITY
UP TO 1.6**



**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.

DRAINAGE PUMPS (WEDA D)	SLUDGE PUMPS (WEDA S)	SLURRY PUMPS (WEDA L)
-------------------------	-----------------------	-----------------------



<p>SPECIFIC GRAVITY UP TO 1.1</p>	<p>SPECIFIC GRAVITY UP TO 1.2</p>	<p>SPECIFIC GRAVITY UP TO 1.6</p>
<p>SOLIDS HANDLING UP TO 0.5 inch</p>	<p>SOLIDS HANDLING UP TO 2 inch</p>	<p>SOLIDS HANDLING UP TO 2.5 inch</p>
<p>pH VALUES FROM 5 TO 8</p>	<p>pH VALUES FROM 5 TO 8</p>	<p>pH VALUES FROM 2 UP TO 10</p>

 **DESIGNED FOR REPAIRABILITY**

Applications:

- General dewatering
- Ground water
- Raw water
- Construction sites
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining
- Water containing mud
- Abrasive media with solids content
- Quarries
- Dredging
- Settling ponds

WEDA D range

The WEDA drainage pumps handle clean as well as dirty water, with small solids with the best performance and efficiency.



BUILT-IN STARTER AND PROTECTION

- Rotation control
- Phase failure protection
- Thermal switches
- Direct-on-line or reduced start current with Softstarter
- Eliminates the need for external starter

FLEXIBILITY

Discharges can be mounted vertically or horizontally as required

HIGH CORROSION RESISTANCE

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

MOTOR PROTECTION

Class H motors, with thermal switches in each winding

EXTENDED PERFORMANCE

Pump design ensures all-round motor cooling for better performance and dry-running capability

CABLE SEALING

Ensures protection against water leakage from cable entry

SEALING SOLUTION

The sealing system is optimized for pump size

IMPROVED WEAR RESISTANCE

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

55  HRC

**Some features and options on selected models only.*

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.

DRY RUNNING CAPABILITIES

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

MOTOR PROTECTION

Class H motors, with thermal switches in each winding

SOLIDS HANDLING

Sludge pumps can handle solids up to 2 inch



ROBUST DESIGN

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



BUILT-IN STARTER AND PROTECTION

- Rotation control
- Phase failure protection
- Thermal switches
- Phase shifter plugs for three-phase pumps
- Eliminates the need for external starter

CABLE SEALING

Ensures protection against water leakage from cable entry

EASY INSPECTION

External oil inspection plug for quick inspection of oil

SEALING SOLUTION

The sealing system is optimized for pump size

SUSTAINABLE PERFORMANCE

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

55 HRC

**Some features and options on selected models only.*

WEDA L range

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

ROBUST DESIGN

Heavy duty bearings to withstand shocks and overloads

HIGH ABRASION RESISTANCE

Thanks to the high-chrome wear parts

SOLIDS HANDLING

Slurry pumps can handle solids up to 60 mm



HEAVY-DUTY MOTOR

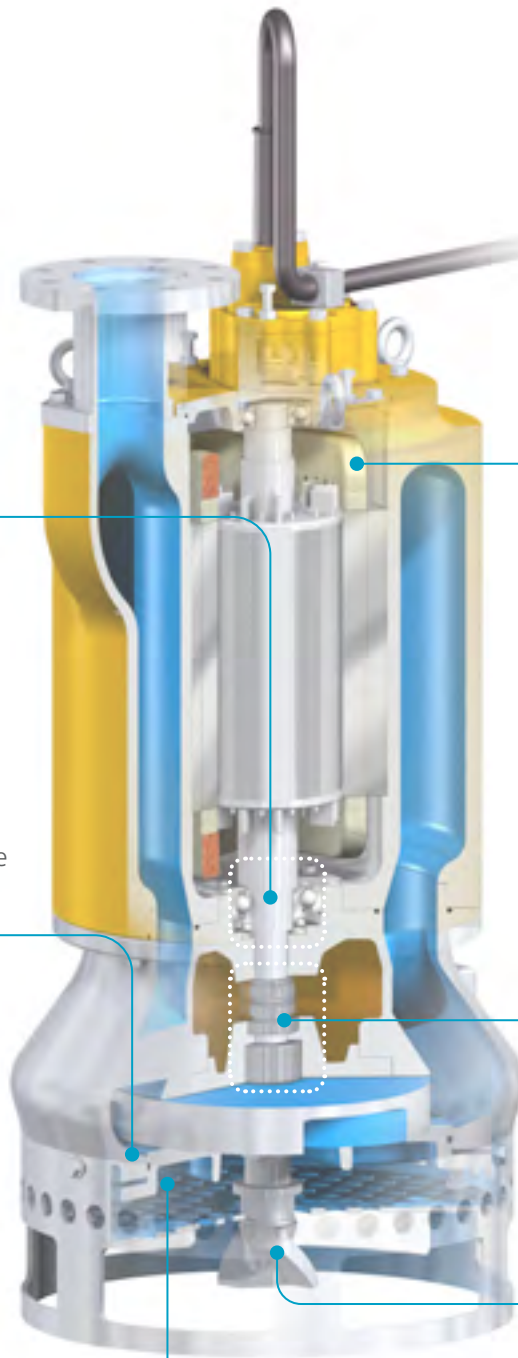
Electric motor insulation class H with thermal contacts for overload protection

REINFORCED SEALING

A double silicon carbide mechanical seal for heavy-duty application

SUSTAINABLE PERFORMANCE

High efficiency high chrome agitator to lift settled solids



**Some features and options on selected models only.*

A yellow WEDA pump is being lifted by a crane using wooden slings. A worker wearing red gloves is holding the pump. The pump has a label that reads "WEDA LINE" and "CE". A white flexible hose is attached to the pump. The background shows a body of water and trees.

Tough environments demand tough pumps

The unique construction of the WEDA pumps provides high corrosion and wear resistance in a wide range of applications

WEDA D range

Technical data

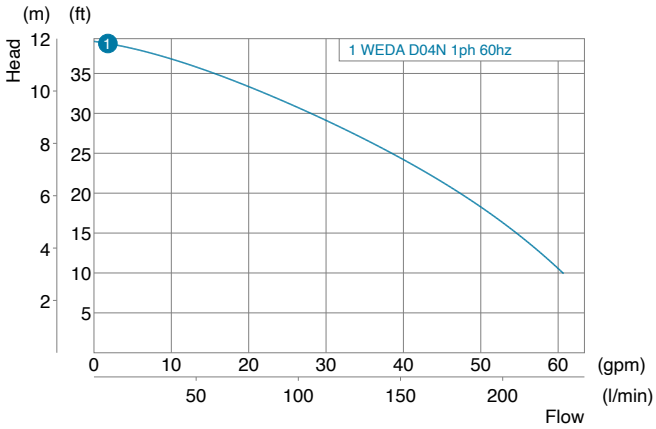


		WEDA D04N	WEDA D04BN	WEDA D08N	WEDA D10N		WEDA D30L		WEDA D30N		WEDA D40N
SPECIFICATIONS		1ph	1ph	1ph	1ph	3ph	1ph	3ph	1ph	3ph	3ph
Max. head	m	11.9	11.9	15.4	16.1	15.7	19	17.6	28	26	21
	ft	39	39	51	53	52	62	58	92	85	70
Max. flow	l/min	230	160	250	510	500	1470	1410	820	790	1720
	m ³ /h	14	10	15	30	30	88	85	49	47	103
	gpm	61	42	66	134	132	390	370	220	210	450
Shaft speed	r.p.m.	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
Rated output	kW	0.4	0.4	0.7	1.1	1.1	2.2	2.2	2.2	2.2	3.2
	HP	0.5	0.5	1	1.5	1.5	3	3	3	3	4.3
Max. power input	kW	0.7	0.7	1.2	1.8	1.4	2.9	2.9	2.9	2.9	4.1
Discharge connection	mm	50	25	50	50	50	75	75	75	75	75
	inch	2	1	2	2	2	3	3	3	3	3
Max. solids handling size	mm	7.5	4.5	7.5	4	4	7	7	7	7	7
	inch	0.3	0.18	0.3	0.16	0.16	0.28	0.28	0.28	0.28	0.28
WEIGHT & DIMENSIONS											
Weight	kg	9	9.5	12.4	13	13	20	20	20	20	25
	lbs	20	21	28	29	29	44	44	44	44	56
Height	mm	340	415	358	395	395	525	525	525	525	525
	inch	13.4	16.3	14.1	15.6	15.6	20.7	20.7	20.7	20.7	20.7
Width	mm	182	220	183	225	225	290	290	290	290	290
	inch	7.2	8.7	7.2	8.9	8.9	11.4	11.4	11.4	11.4	11.4
Diameter	mm	182	220	183	185	185	220	220	220	220	220
	inch	7.2	8.7	7.2	7.3	7.3	8.7	8.7	8.7	8.7	8.7

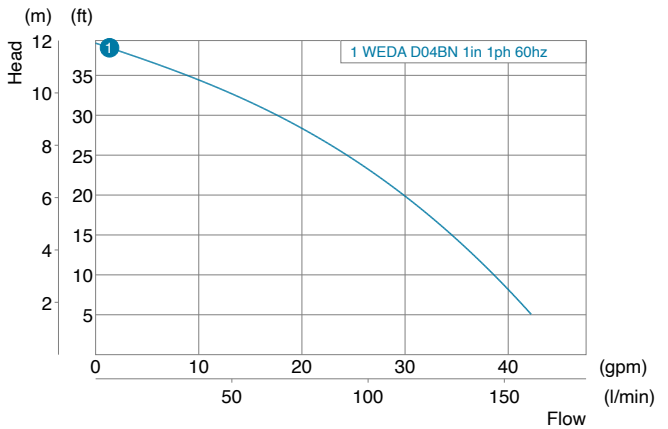


Performance curves

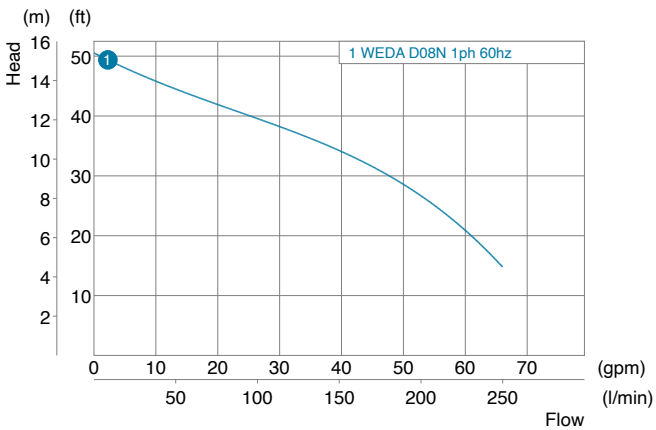
WEDA D04N



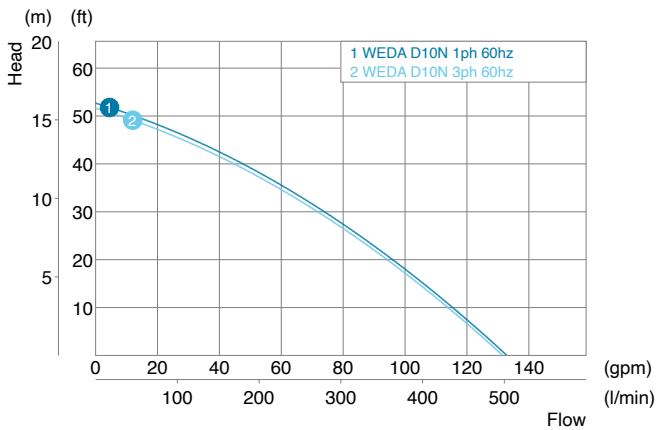
WEDA D04BN



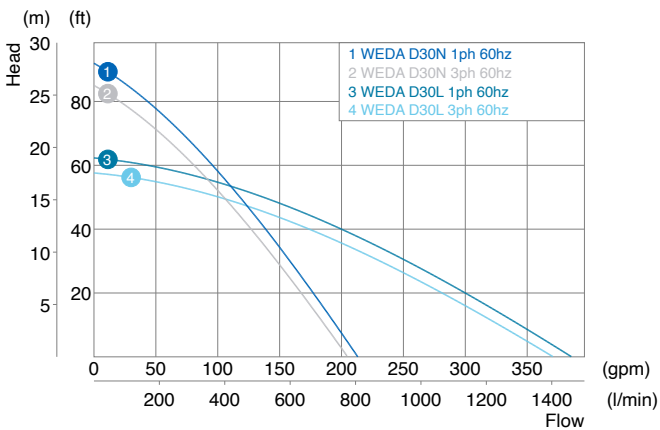
WEDA D08N



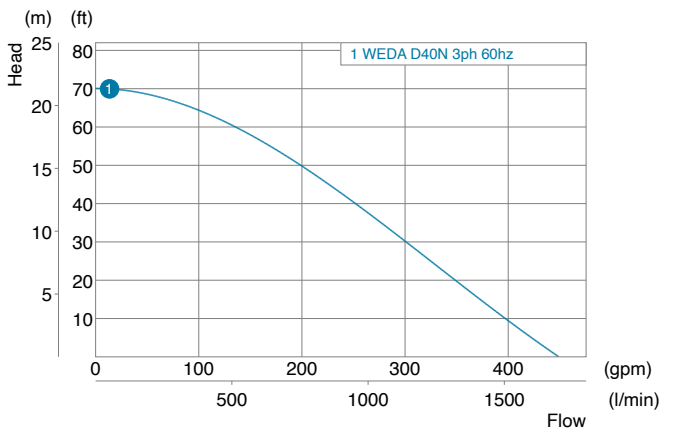
WEDA D10N



WEDA D30



WEDA D40N



WEDA D range

Technical data

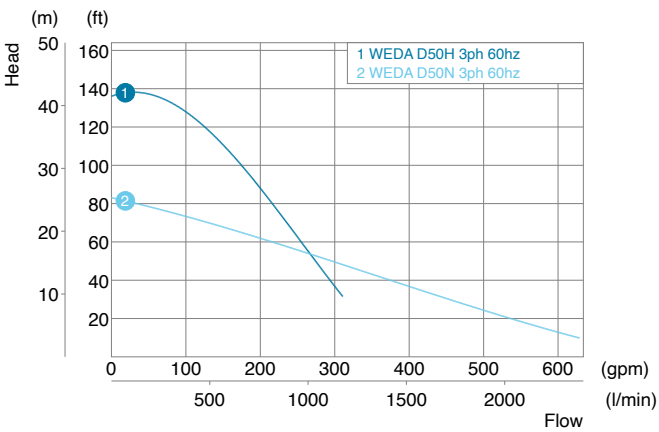


		WEDA D50N	WEDA D50H	WEDA D60N	WEDA D60H	WEDA D60SH	WEDA D70L	WEDA D70H
SPECIFICATIONS		3ph	3ph	3ph	3ph	3ph	3ph	3ph
Max. head	m	25	42	31	51	75	39	63
	ft	83	138	101	167	245	129	205
Max. flow	l/min	2380	1180	2660	1270	980	4650	2500
	m ³ /h	143	71	159	76	59	280	150
	gpm	630	310	700	340	260	1230	660
Shaft speed	r.p.m.	3500	3500	3500	3500	3500	3500	3500
Rated output	kW	6.3	6.3	8.6	8.6	8.6	13.4	13.4
	HP	8.5	8.5	11.5	11.5	11.5	18	18
Max. power input	kW	7.5	7.5	9.9	9.9	9.9	15	15
Discharge connection	mm	100	75	100	75	75	150	100
	inch	4	3	4	3	3	6	4
Max. solids handling size	mm	8	8	8	8	8	10	10
	inch	0.31	0.31	0.31	0.31	0.31	0.39	0.39
WEIGHT & DIMENSIONS								
Weight	kg	55	55	61	61	62	110	110
	lbs	122	122	136	136	138	244	244
Height	mm	720	720	760	760	760	943	943
	inch	28.3	28.3	29.9	29.9	29.9	37.1	37.1
Width	mm	330	302	330	302	302	416	393
	inch	13	11.9	13	11.9	11.9	16.4	15.5
Diameter	mm	278	278	278	278	278	370	370
	inch	10.9	10.9	10.9	10.9	10.9	14.6	14.6

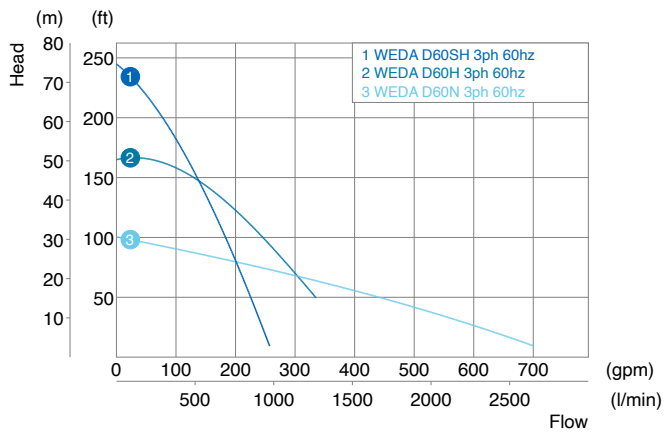


Performance curves

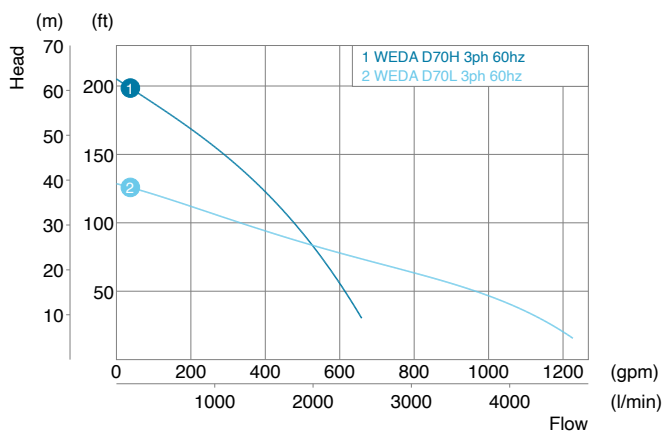
WEDA D50



WEDA D60



WEDA D70



Wear Deflector Technology

WEDA submersible drainage pumps are equipped with a revolutionary hydraulic design that minimizes wear and keeps performance up, even under the toughest conditions.

The patented Wear Deflector Technology consists of several aspects that combine to provide unrivaled resistance to wear by abrasive particles in the pumped media:

- Developed with state-of-the-art Computational Fluid Dynamics (CFD)
- 3D printing to cast complex geometries
- High chrome wear resistant impeller
- Closed impeller with auxiliary vanes to keep the impeller eye free from abrasives
- Lower diffuser with wear deflector vanes to avoid impeller inlet wear

	D70L	D70H	D80N	D80H	D95N	D95H
State-of-the-art hydraulic design techniques	✓	✓	✓	✓	✓	✓
State-of-the-art manufacturing techniques	✓	✓	✓	✓	✓	✓
High chrome wear resistant impeller	✓	✓	✓	✓	✓	✓
Closed impeller with auxiliary vanes		✓		✓		✓
Lower difuser with wear deflector vanes		✓				



WEDA D range

Technical data

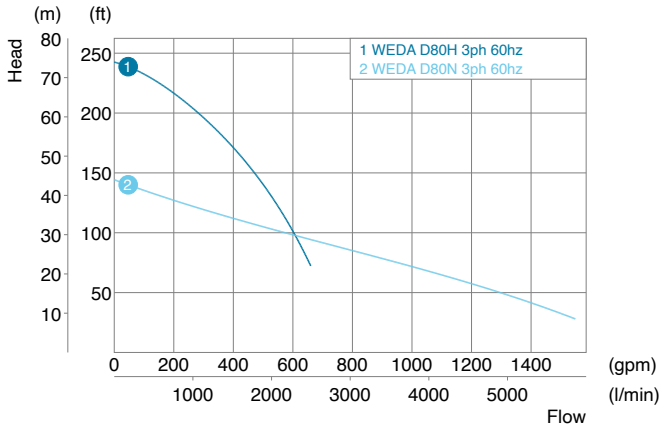


		WEDA D80N	WEDA D80H	WEDA D90L	WEDA D90H	WEDA D95N	WEDA D95H	WEDA D100N
SPECIFICATIONS		3ph	3ph	3ph	3ph	3ph	3ph	3ph
Max. head	m	44	74	43	98	33	101	50
	ft	144	243	141	322	110	333	163
Max. flow	l/min	5870	2500	6490	2390	11270	4130	18100
	m ³ /h	350	150	390	144	680	250	1090
	gpm	1550	660	1710	630	2980	1090	4780
Shaft speed	r.p.m.	3500	3500	3500	3500	3500	3500	1750
Rated output	kW	23	23	30	30	43	43	69
	HP	31	31	40	40	58	58	92
Max. power input	kW	26	26	34	34	50	50	74
Discharge connection	mm	150	100	150	100	200	100	250
	inch	6	4	6	4	8	4	10
Max. solids handling size	mm	12	12	7	7	16	12	12
	inch	0.47	0.47	0.28	0.28	0.63	0.47	0.47
WEIGHT & DIMENSIONS								
Weight	kg	175	175	180	180	265	265	520
	lbs	389	389	400	400	589	589	1156
Height	mm	980	980	1100	1100	1330	1330	1412
	inch	38.6	38.6	43.3	43.3	52.4	52.4	55.6
Width	mm	690	665	480	480	460	460	650
	inch	27.2	26.2	18.9	18.9	18.1	18.1	25.6
Diameter	mm	530	530	400	400	460	460	600
	inch	20.9	20.9	15.7	15.7	18.1	18.1	23.6

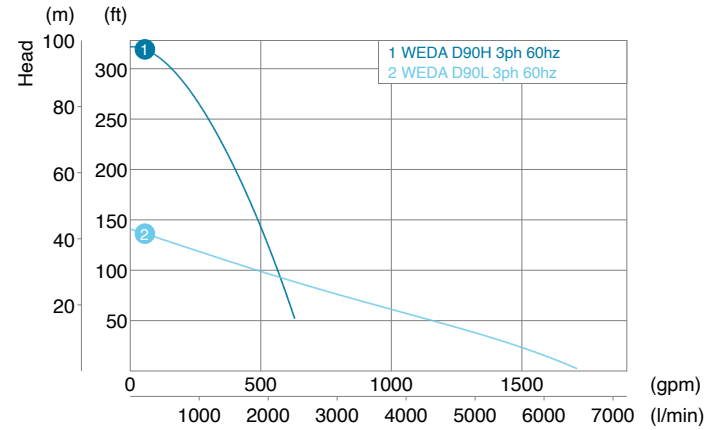


Performance curves

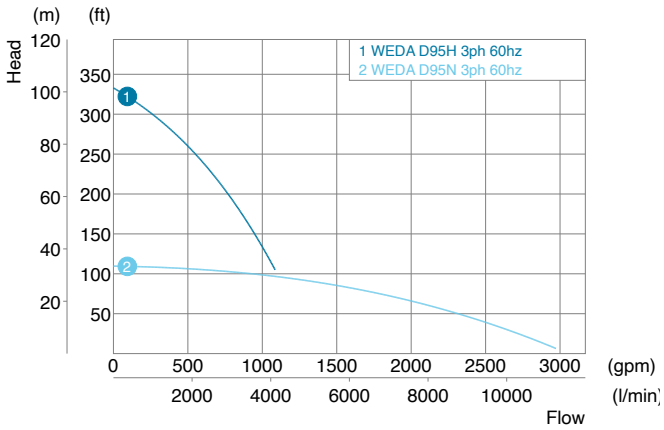
WEDA D80



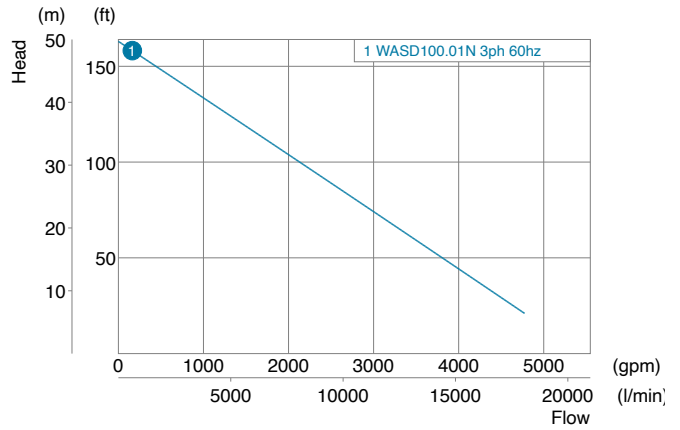
WEDA D90



WEDA D95



WEDA D100



WEDA S range

Technical data

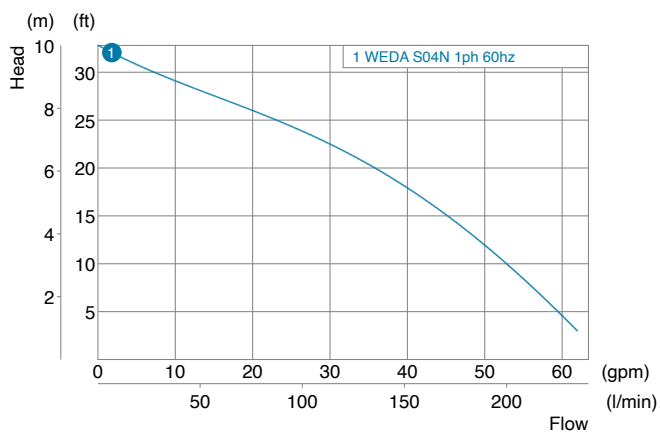


		WEDA S04N	WEDA S08N	WEDA S30N		WEDA S50N	WEDA S60N
SPECIFICATIONS		1ph	1ph	1ph	3ph	3ph	3ph
Max. head	m	10	15.1	15.9	17.6	28	30
	ft	33	50	52	58	92	98
Max. flow	l/min	240	250	860	950	1390	1590
	m ³ /h	14	15	52	57	84	96
	gpm	62	65	230	250	370	420
Shaft speed	r.p.m.	3500	3500	3500	3500	3500	3500
Rated output	kW	0.4	0.7	2.2	3	5.2	6.9
	HP	0.5	1	3	4	7	9.3
Max. power input	kW	0.7	1.2	2.9	3.9	6.2	8
Discharge connection	mm	50	50	75	75	100	100
	inch	2	2	3	3	4	4
Max. solids handling size	mm	25	25	50	50	50	50
	inch	1	1	2	2	2	2
WEIGHT & DIMENSIONS							
Weight	kg	11	13	25	25	59	65
	lbs	24	29	56	56	131	144
Height	mm	375	416	620	620	810	870
	inch	14.8	16.4	24.4	24.4	31.9	34.3
Width	mm	277	277	326	326	450	450
	inch	10.9	10.9	12.8	12.8	17.7	17.7
Diameter	mm	241	241	250	250	350	350
	inch	9.5	9.5	9.8	9.8	13.8	13.8

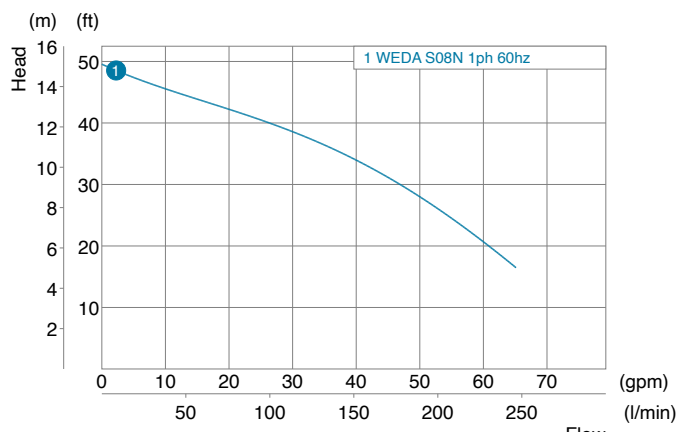


Performance curves

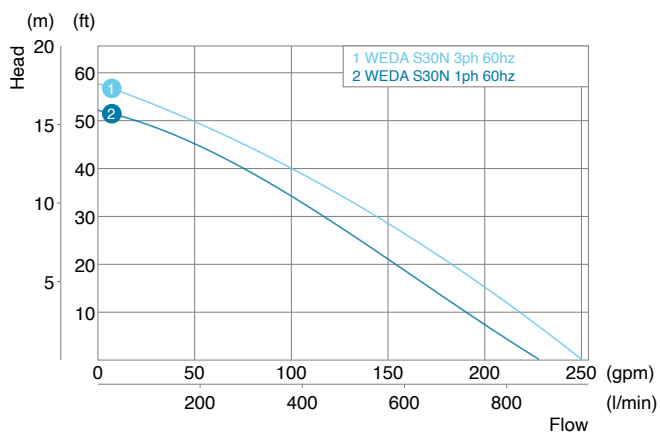
WEDA S04N



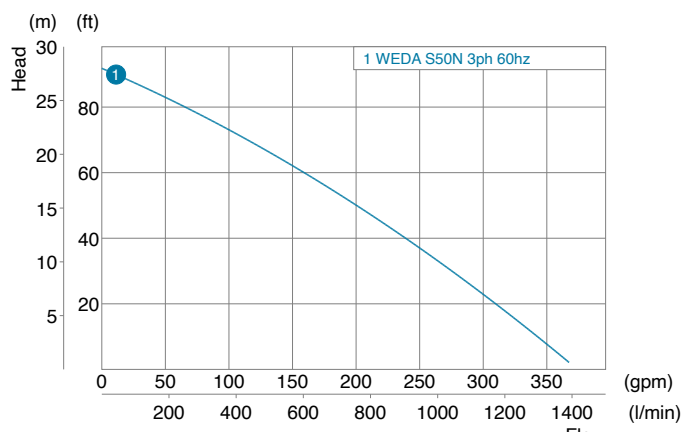
WEDA S08N



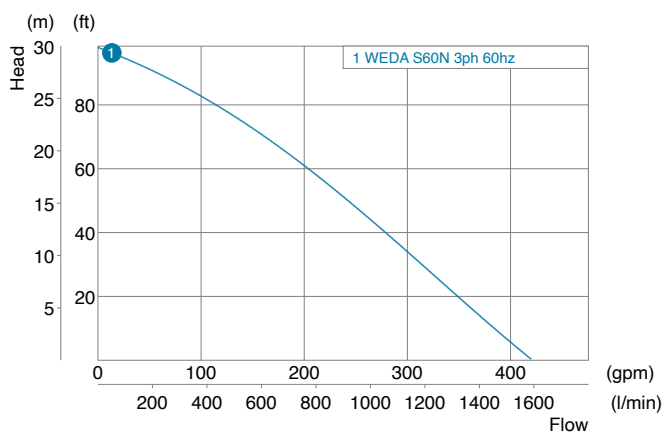
WEDA S30N



WEDA S50N



WEDA S60N



WEDA L range

Technical data

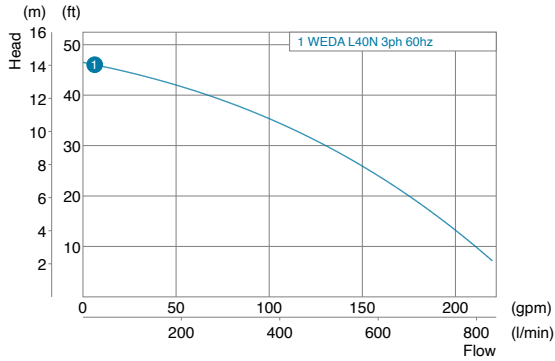


		WEDA L40N	WEDA L50N	WEDA L60N	WEDA L70N	WEDA L80N	WEDA L95N	WEDA L100N	WEDA L110N
SPECIFICATIONS		3ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph
Max. head	m	14.2	18.4	23	25	31	51	35	40
	ft	47	60	75	81	103	168	114	131
Max. flow	l/min	830	1330	1830	2000	3000	4500	9830	8330
	m ³ /h	50	80	110	120	180	270	590	500
	gpm	220	350	480	530	790	1190	2600	2200
Shaft speed	r.p.m.	1750	1750	1750	1750	1750	1750	1150	1750
Rated output	kW	3.7	5.5	9	11	15	37	45	75
	HP	5	7.4	12.1	14.8	20	50	60	101
Max. power input	kW	4.5	6.8	10.4	12.8	16.1	40	49	80
Discharge connection	mm	75	100	100	100	100	100	150	150
	inch	3	4	4	4	4	4	6	6
Max. solids handling size	mm	20	25	25	25	25	35	60	60
	inch	0.8	1.0	1.0	1.0	1.0	1.4	2.4	2.4
WEIGHT & DIMENSIONS									
Weight	kg	185	260	260	270	310	750	1005	1070
	lbs	411	578	578	600	689	1667	2233	2378
Height	mm	793	914	914	914	1080	1605	1605	1605
	inch	31.2	36	36	36	42.5	63.2	63.2	63.2
Width	mm	388	435	435	435	580	935	935	935
	inch	15.3	17.1	17.1	17.1	22.8	36.8	36.8	36.8
Diameter	mm	337	413	413	413	495	546	546	546
	inch	13.3	16.3	16.3	16.3	19.5	21.5	21.5	21.5

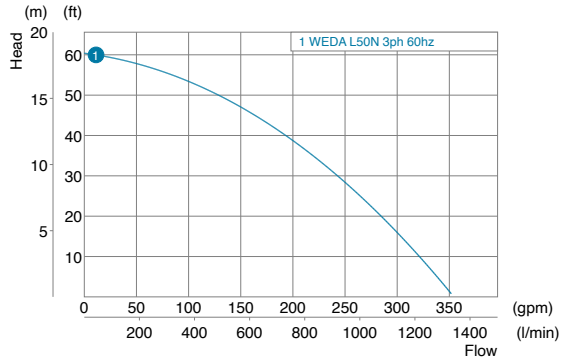


Performance curves

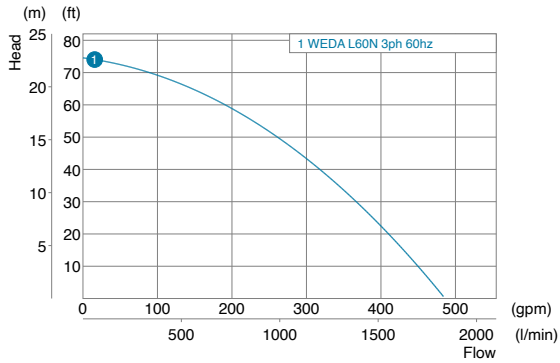
WEDA L40N



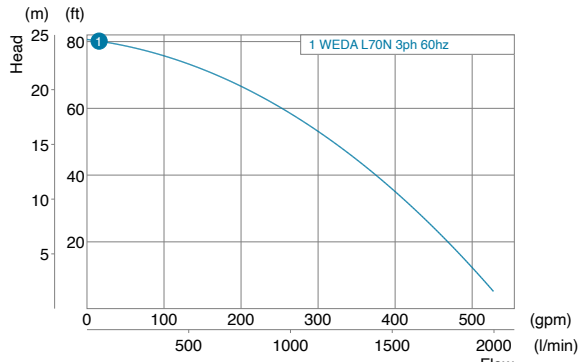
WEDA L50N



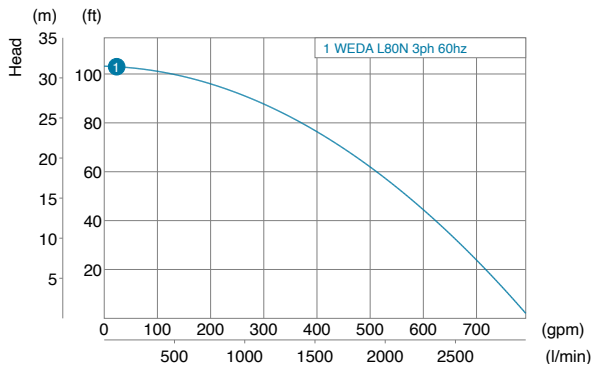
WEDA L60N



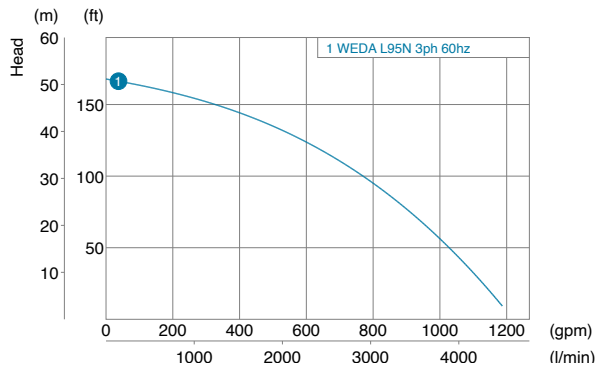
WEDA L70N



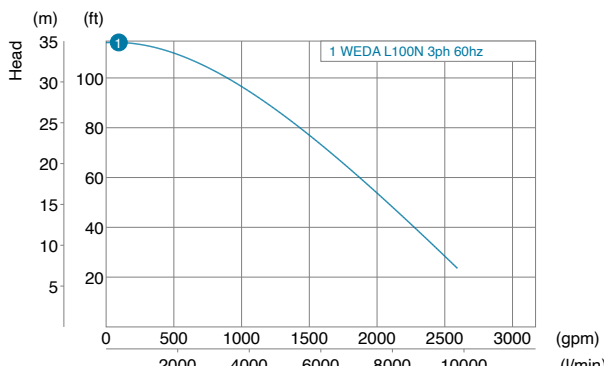
WEDA L80N



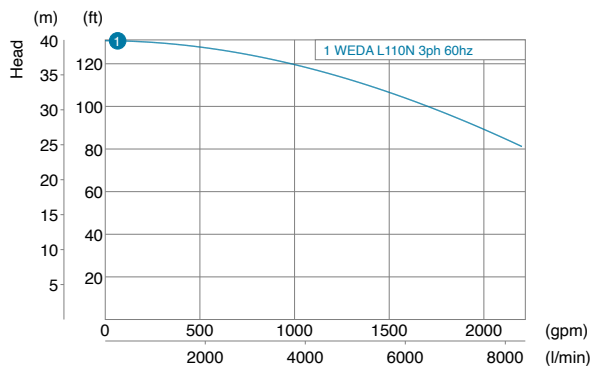
WEDA L95N



WEDA L100N



WEDA L110N



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

SLIM ADAPTER

For lowering pumps in narrow pipes and manholes.



LEVEL REGULATORS

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



LOW SUCTION COLLAR

To easily drain the water level down to the floor.

RAFT

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



ZINC ANODES

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



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

**Some features and options on selected models only.*



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

Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA



stageV

SPECIALIZED
9–660* kVA



stageV

VERSATILE
9–1250* kVA



LARGE POWER
800–1450 kVA

stageV



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
up to 18 000 l/min



SURFACE PUMPS
833–23.300 l/min

stageV



Diesel and electric options available

ENERGY STORAGE SYSTEMS

ZENERGIZE
45–500* kVA



LIGHT TOWERS

DIESEL

stageV



BATTERY



ELECTRIC



ONLINE SOLUTIONS

SHOP ONLINE PARTS ONLINE

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 is a system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.



PUMP SIZING CALCULATOR

With a few inputs, this pump sizing calculator will help you to compare dewatering submersible models and find the right one for you.



VISIT THE POWER ISLAND

Live a 360° experience to discover a selection of products and solutions that we offer, in an almost real environment.



Atlas Copco

Atlas Copco Power Technique
www.atlascopco.com