Self-priming surface dewatering pumps

PAS and VAR pumps

Self-priming surface dewatering pumps

The surface dewatering pumps are designed to take care of energy efficiency and productivity while meeting strict emission norms.

From construction and utilities, mining and quarries to the oil and gas industry and many more applications, these electric pumps are built to perform in the harshest pumping environments. As established portable pumps experts we bring you peace of mind as we innovate to make your pumping experience sustainable, intelligent, profitable and hassle-free.

Designed with the latest digital features, our range of portable diesel and electric-driven pumps are big on savings, delivering durable performance, zero fuel consumption, reduced noise and improved return on investment. Our service driven focus ensures ease of service, high pump uptime and low maintenance cost.

PAS RANGE	VAS RANGE
UP TO **100MM** **SOLIDS**HANDLING	UP TO **76MM** **SOLIDS**HANDLING
UP TO **82M** MAX. HEAD	UP TO **40M** MAX. HEAD
UP TO **2200M³/H** MAX. FLOW	UP TO **1400M³/H** MAX. FLOW
3MIN **CLEAN-UP EASY** AND RESTART **HINGE DOOR**	**3**MIN **CLEAN-UP EASY** MAINTENANCE
24HOURS **OF CONTINUOUS** OPERATIONS	**24MIN** **CLEAN-UP FLUSHING** MECH SEAL
COMPACT SIZE WITH MAX. FLOW	**COMPACT SIZE** WITH MAX. FLOW

There is a thoughtfully designed surface pump for the toughest dewatering needs

CONSTRUCTION AND UTILITIES

- Civil Construction
- Sewage Bypass
- Municipal Bypass
- Site Dewatering
- Emergency Deployment
- Temporary Fire fighting

MINING AND QUARRY

- Water Transfer
- Temporary Fire fighting
- Water Relaunch
- Site Dewatering

OIL, GAS AND INDUSTRY

- Oil Well Fracking
- Temporary Fire fighting
- On/Offshore
- Back up system
- Pipe Testing








E PAS range

Did you think handling demanding flows with large solids could be this clean? Introducing the E PAS: Electric, Efficient, Energy Saver. **The new E-Pump range** of self-priming E PAS electric pump models ensures significant energy savings and improved efficiency with long lasting performance, reduced noise operations* and a reduced CO2 footprint with no fuel consumption to meet emission norms.

E-Pump

**for closed set/canopy units.*

EASY SERVICEABILITY AND CONNECTIVITY IN THE FIELD

Lower service and maintenance costs:

- Improved uptime with real time digital monitoring of machine health information.
- Patented hinge door access enables service under 30 minutes.

ENERGY SAVER

Up to 40% energy savings with:

- Variable Speed Drive (VSD) which brings in operational efficiency.
- Revolutionary automatic self-priming system which extends the pump life.

SOLID HANDLING CAPABILITIES

- Successfully deals with flows of up to 480 m^3/h.
- The whole range can manage solids of up to 76 mm (3").

Atlas Copco

NO FUEL CONSUMPTION AND **NO CO^2 EMISSIONS***

*While operating the E-Pump

FULLY ELECTRIC SELF-PRIMING PUMP

Meeting emission norms in restrictive areas:

- No fuel consumption and reduced $C0_2$ emissions during operation.
- 120% spillage-free container, making it a clean work environment.
- Reduced noise emissions

20 UNITS IN A EURO TRUCK **COMPACT SIZE**

OPTIMIZE STORAGE AND TRANSPORT

- Overall transport and storage cost reduction.
- Galvanized frame with protrusions on top allows users to stack them in a 2+1 configuration, saving lots of space.
- With reduced footprint, as many as 20 units stacked 1+1 can fit into a 40-foot container.

UP TO **40%** **LOWER TCO**

GROWING YOUR BUSINESS

- Up to 40% lower Total Cost of Ownership (TCO) vs traditional units.
- Improved operational efficiency, its galvanized structure and HardHat® hinge doors grant a higher resale value.
- Energy savings, lower operational costs and its increased durability ensure an improved ROI.

E PAS range

E-Pump

Technical data

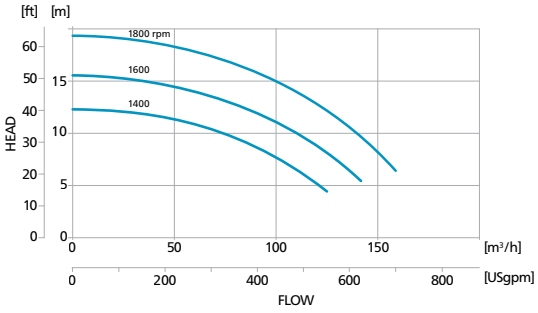
		E PAS 80MF	E PAS 100MF	E PAS 150MF
SPECIFICATIONS				
Max. Head	m	18	30	30
Max. Capacity	m^3/h	140	240	480
Suction /discharge flanges	mm (in)	75 (3")/75 (3")	100 (4")/100(4")	150 (6")/150(6")
Max. Solids handling	mm (in)	40 (1.5")	50 (2")	76 (3")
Best efficiency point	%	68	70	73
Pump motor	kW (HP)	7,5 (10)	15 (20)	22 (30)
Speed range	rpm	900-1800	900-1800	900-1800
Installed VFD	kW	11	37	37
Supply voltage	V	380-460	380-460	380-460
Max. Current	A	16	32	63
PRIMING SYSTEM				
Vacuum pump Type		Diaphram	Diaphram	Diaphram
Nominal Air Capacity	m^3/h	85	85	85
Max Nominal Vacuum	bar	-0,9	-0,9	-0,9
Vacuum Pump Motor (@50HZ)	kW (HP)	1.5 (2)	1.5 (2)	1.5 (2)
WEIGHT & DIMENSIONS				
Weight	kg	1000	1100	1150
Length	mm	2000	2000	2000
Width	mm	1280	1280	1280
Height	mm	1280	1280	1280

* Options on open set available as per request.
Please contact your local Atlas Copco Representative for more information.

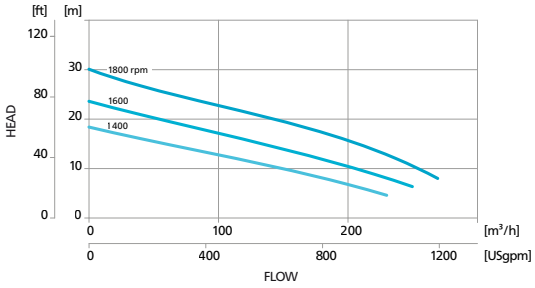
Atlas Copco

Performance curves

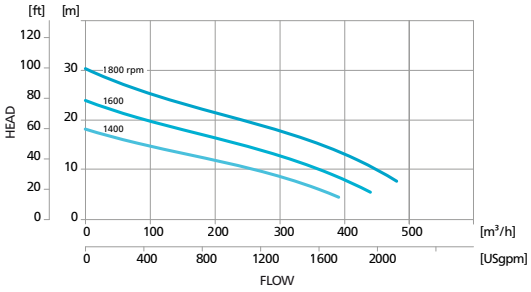
E PAS 80MF



E PAS 100MF



E PAS 150MF



PAS HardHat® range

The **PAS HardHat® models** come with Atlas Copco's innovative HardHat®, made of medium-density polyethylene instead of metal to protect the working operation underneath from the elements and tough site conditions.

UNIQUE HardHat® TECHNOLOGY

- The Atlas Copco HardHat® Technology ensures a high level of robustness and durability in any condition.
- No matter the circumstances on-site or during transport, the PE material remains in perfect condition, increasing the resale value of your asset.

EXCLUSIVE
HardHat®
TECHNOLOGY

SCAN AND ORDER

- PAS HardHat® pumps take advantage of digital technology, featuring QR codes which mean essential information about parts and spares is just a scan away.

MULTIPLE PACKAGING OPTIONS

- The Pas Hardhat® series pump comes standard with an EU-certified Trailer with 2 stabilizer legs.
- They can also be offered on a robust galvanized skid based on needs.

ROAD TOWING
CERTIFIED
TRAILER

HVO
RENEWABLE
DIESEL

stageV

CLEAN AND GREEN PUMPS

- The PAS HardHat® pump range is fully EU emission compliant and features a 120% fully leak-free structure, making it a clean and green machine. Offering available for worldwide emission norms and certifications,this range can also use HVO renewable diesel.

EASY SERVICEABILITY IN THE FIELD

- The Pas PAS HardHat® range pump helps customers educe Service time.
- Advanced PW Series Control Panel
- Features like the Atlas Copco hinge Kit and link belts mean that the wear components can be serviced and replaced without dismantling the pump.

3 MIN
UP TO **CLEAN-UP**
AND RESTART
HINGE DOOR

ERGONOMIC LIGHTING

- The PAS HardHat® comes with internal lighting to facilitate visibility during maintenance or repair.

PAS HardHat® range

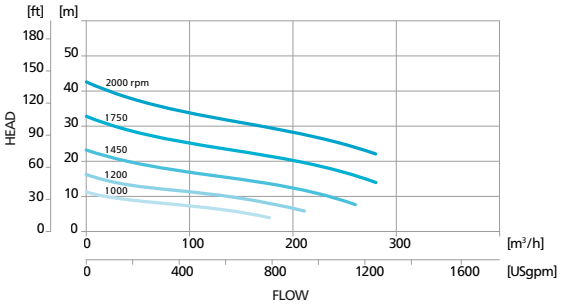
Compliant throughout the range

Technical data

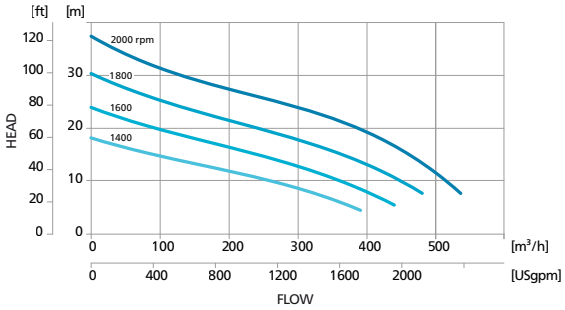
		PAS 100 HardHat®	PAS 150 HardHat®
SPECIFICATIONS			
Max. Head	m	42	37
Max. CapacitC	m^3/h	260	500
Suction /discharge size	flanged	4" Multi-standard	6" Multi-standard
Max. Solids handling	mm	76	76
Best efficiency point	%	70	77
Max. Absorbed power	kW	29	27
ENGINE			
Emission compliance EU (Stage)		Stage V	Stage V
Emission compliance LRC (Tier)		T3	T3
Max. Engine power EU (Stage)	kW	42	42
Max. Engine power LRC (Tier)	kW	36	36
Max. Operating speed	rpm	2000	2000
Max. Fuel autonomy	h	35	35
WEIGHT & DIMENSIONS			
Weight (skid/undercarriage)	kg	1415 / 1720	1415 / 1720
Length (skid/undercarriage)	mm	2420 / 3810	2420 / 3810
Width (skid/undercarriage)	mm	1200 / 1880	1200 / 1880
Height (skid/undercarriage)	mm	1680 / 2000	1680 / 2000

Performance curves

PAS 100 HardHat®



PAS 150 HardHat®



PAS MF/HF range

The **PAS MF/HF range** of dry prime pumps is engineered to offer high performance in any condition. Comprising of an air separator unit and a vacuum pump, it delivers rapid automatic primming. Even with suction heights of several meters,the machine rapidly evacuates the air from the suction pipe and starts to pump. Additionally, thanks to the semi-open impeller, the PAS range is also suitable for pumping liquids with solids in suspensions.

SERVICEABILITY IN ANY CONDITIONS

- Patented Hinged door access guarantees easy clean-up with minimal downtime.
- All wear components are easily accessible with minimal downtime.
- Easy replacement of the wear components (Impeller and wear plates).
- Trimming plate to guarantee the hydraulic performance as an emergency reserve before scheduled maintenance.

3 MIN
CLEAN-UP EASY
MAINTENANCE

PACKAGING FLEXIBILITY

- One-by-one stackability in standard canopy and open version.
- Mobility, with heavy-duty skids and road trailer equipped for a range of conditions.

STACKABILITY

SOLIDS HANDLING CAPABILITY

- The whole range canhandle high solids.

UP TO
100MM
SOLIDSHANDLING

INTEGRATED CONTROL AND POWER CUBICLE

- Digital controller with standard warnings, shut-down, stop/start function, emergency stop and easy-to-access and read diagnostics. Configurable setpoint via transducer to control engine speeds*

FLEX-MOUNT SYSTEM

- Integrated vibration mounts eliminate unwanted vibration.

KEY OPTIONS

- Impeller CF3M
- Wear plate CF3M
- Stainless steel shaft
- Zinc anodes
- Fleet Link

KEY FEATURES

- Hinge Kit
- Trimming plate*
- Diaphragm vacuum pump
- Dry running system
- PW 250, PW500 PW 750 control panel*

**Available options may change depending on the model selected*

PAS MF/HF range

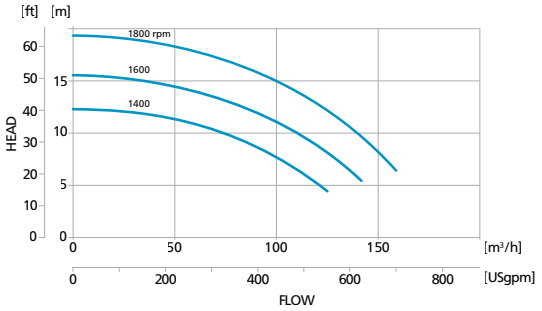
Compliant throughout the range

Technical data

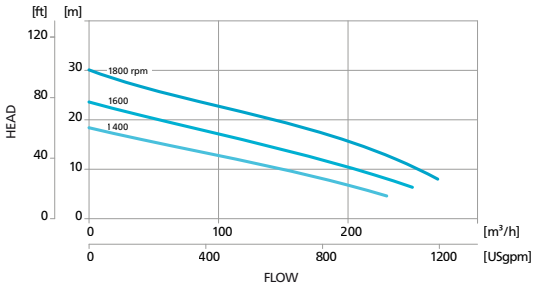
		PAS 80MF 202	PAS 100MF 250	PAS 150MF 255	PAS 200MF 310	PAS 300MF 401	PAS 100HF 250	PAS 150HF 315	PAS 200HF 315	PAS 300HF 440
SPECIFICATIONS										
Max. Head	m	19	30	37	36	25	42	51	54	82
Max. Capacity	m³/h	160	250	540	660	1200	280	550	900	2200
Suction /discharge size	flanged	3" Multistandar	4" Multistandar	6" Multistandar	8" Multistandar	12" Multistandar	4" Multistandar	6" Multistandar	8" Multistandar	12" Multistandar
Max. Solids handling	mm	40	50	76	76	100	76	76	76	89
Best Efficiency point	%	68	70	77	70	60	70	76	78	72
Max. Absorbed power	kW	7,5	17	27	40	65	29	49	68	240
ENGINE										
Emission compliance EU (Stage)		Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V
Emission compliance LRC (Tier)		T3	T2-T3	T2-T3	T2-T3	T2-T3	T2-T3	T2-T3	T2-T3	T2-T3
Max. Engine power	kW	8,6	24,3	28,4	55	100	31,0	51,2	79,1	210
Max. Operating speed	rpm	1800	1800	2000	2000	1500	2000	1800	2200	1600
Max. Fuel autonomy	h	120	51	48	45	24	45	27	22	12
WEIGHT & DIMENSIONS										
Weight (dry)	kg	900	1260	1400	1650	2600	1400	1680	2250	4200
Length	mm	1850	2250	2250	2560	2610	2250	2560	2610	4100
Width	mm	1100	1100	1100	1100	1225	1100	1100	1225	2100
Height	mm	1480	1550	1550	1705	1840	1550	1705	1840	2100

Performance curves

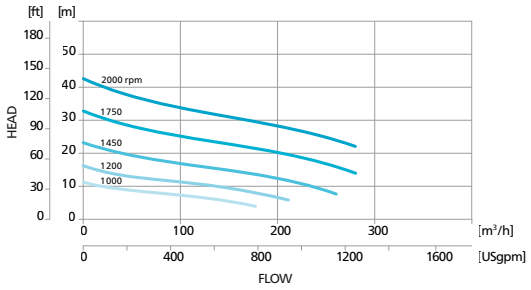
PAS 80MF 202



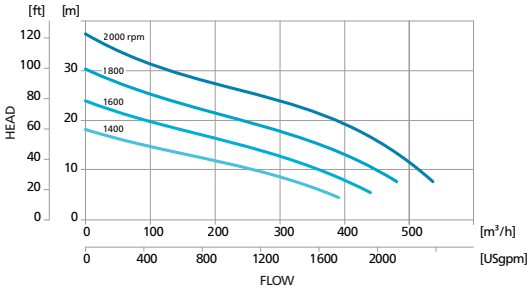
PAS 100MF 250



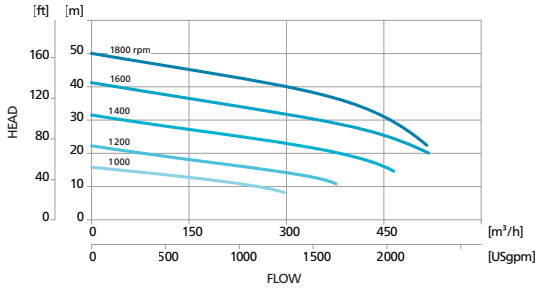
PAS 100HF 250



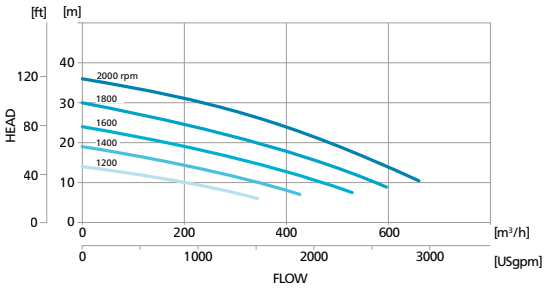
PAS 150MF 255



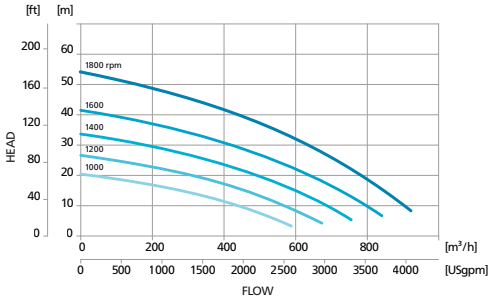
PAS 150HF 315



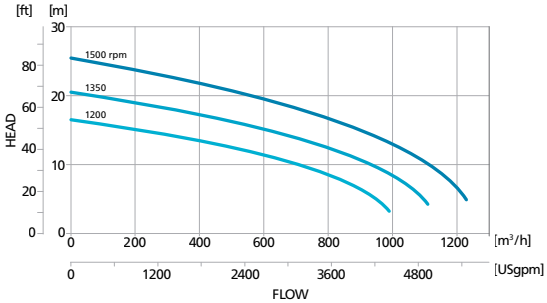
PAS 200MF 310



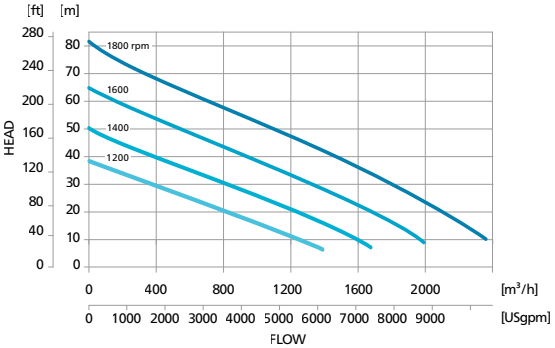
PAS 200HF 315



PAS 300MF 401



PAS 300HF 440



VAR range

The VAR range of wet prime pumps offers a robust and flexible solution for dewatering applications. The technology allows having a simple first prime due to its first water fill-in capabilities.

Due to its open impeller and solids handling capabilities, the equipment is perfectly suitable for medium construction and flood controls.

WET PRIME SYSTEM

- The system allows the unit to prime in any conditions through first water fill.
- The liquid rings formed evacuate air for quick priming.

stage V

MOBILITY PACKAGE

- Open-frame version is available.

Atlas Copco

MECHANICAL SEAL FLUSHING

- Integrated port on pump casing to flush the mechanical seal.
- Solution guarantees the correct startup of the units and helps prevent possible casing failure due to fluid solidification.

SOLIDS HANDLINGS CAPABILITY

- The whole range can handle high solids.

UP TO **76MM** **SOLIDS** HANDLING

FLEX-MOUNT SYSTEM

- Integrated vibration mounts eliminate unwanted vibration.

KEY OPTIONS

- Impeller CF3M
- Wear plate CF3M
- Stainless steel shaft
- Zinc anodes
- Fleet Link

VAR range

Compliant throughout the range

Technical data

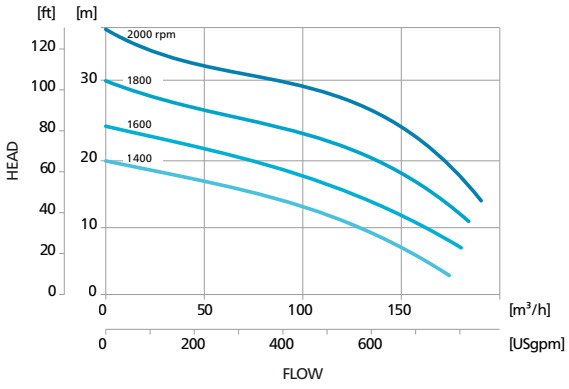
		VAR 4-250	VAR 6	VAR 6-250	VAR 8-305	VAR 10-305	VAR 12-400
SPECIFICATIONS							
Max. Head	m	40*	26	33	35	39	29,3
Max. Capacity	m3/h	180	300	340	560	690	1400
Suction /discharge size	flanged	Threaded 4"" BSP	Flanged DN 150 D.I. 1882 (6"")	Flanged DN 150 D.I. 1882 (6"")	Flanged DN 200 UNI 6082 (8"")	Flanged DN 250 D.I. 1882 (10"")	Langed DN 300 UNI 6082 (12"")
Max. Solids handling	mm	50	50	76	76	76	70
Best efficiency point	%	65	65	60	53	70	54
Max. Absorbed power	kW	16,5	14	25	31	45	85,5
ENGINE							
Emission compliance EU (Stage)		Stage V	Stage V	Stage V	Stage V	Stage V	Stage IV
Emission compliance LRC (Tier)		T2-T3	-	T2-T3	T2-T3	T2-T3	T2-T3
Max. Engine power	kW	24,3	19	28,4	33,6	47,7	79,1
Max. Operating speed	rpm	2000	1800	2000	1800	1800	1150
Max. Fuel autonomy	h	48	45	42	50	47	29
WEIGHT & DIMENSIONS							
Weight (dry)	kg	905	950	935	1205	1850	2125
Length	mm	1750	1750	1750	2500	2800	2800
Width	mm	950	950	950	950	1450	1450
Height	mm	1520	1520	1520	1850	1850	1850

** Applicable for T2-T3 models only, for Stage 5 Variant max head is 32m*

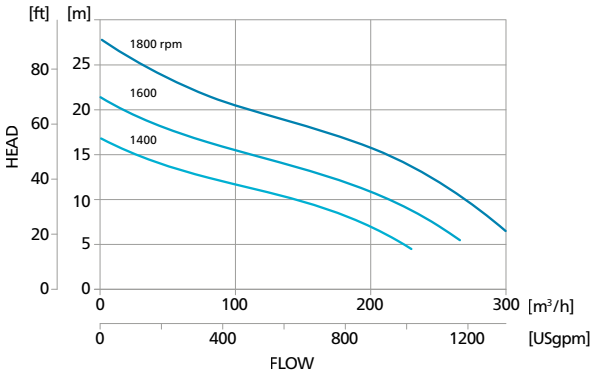
(1) Dimensions refer to the Block model. Please refer to the datasheet with overall dimensions with options

Performance curves

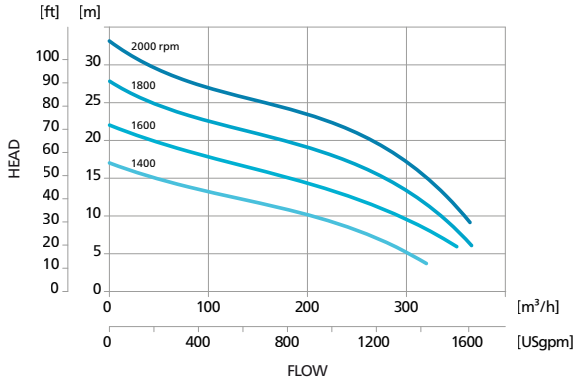
VAR 4-250



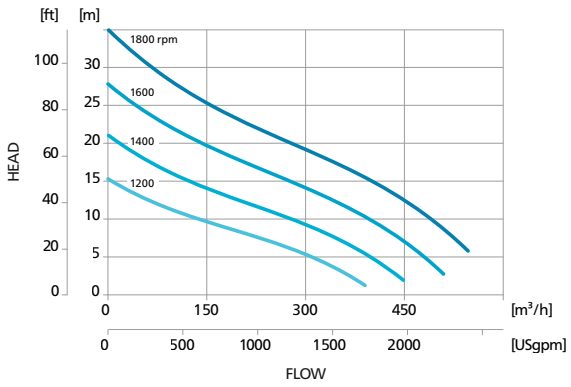
VAR 6



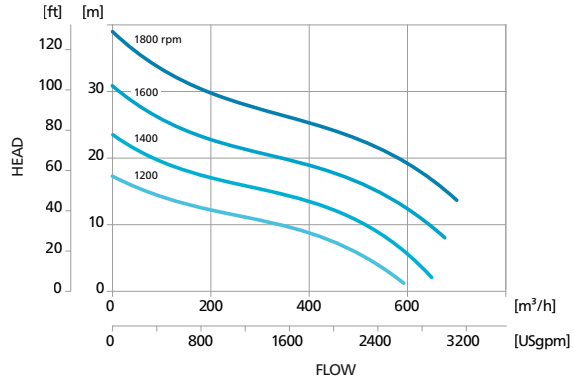
VAR 6-250



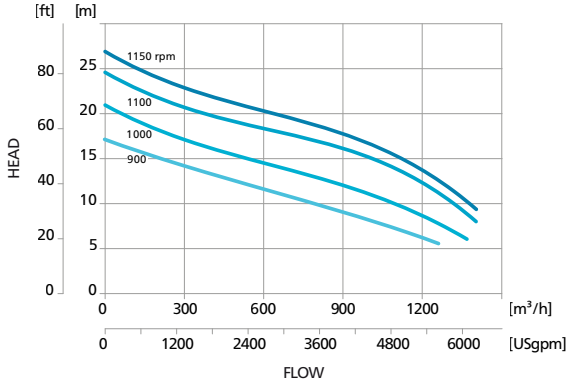
VAR 8-305



VAR 10-305



VAR 12-400



Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA

SPECIALIZED
9–660* kVA

VERSATILE
9–1250* kVA

LARGE POWER
800–1450 kVA

*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

Diesel and electric options available

ENERGY STORAGE SYSTEMS

ZENERGIZE
45-500* kVA

LIGHT TOWERS

DIESEL

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.

LighThe Power

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.

360°

Atlas Copco

Atlas Copco Power Technique

www.atlascopco.com

Complete submersible dewatering solutions

The WEDA pump range (50Hz)

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 60 mm

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)
		
SPECIFIC GRAVITY UP TO 1.1	SPECIFIC GRAVITY UP TO 1.2	SPECIFIC GRAVITY UP TO 1.6
SOLIDS HANDLING UP TO 12 mm	SOLIDS HANDLING UP TO 50 mm	SOLIDS HANDLING UP TO 60 mm
pH VALUES FROM 5 TO 8	pH VALUES FROM 5 TO 8	pH VALUES FROM 2 UP TO 10

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

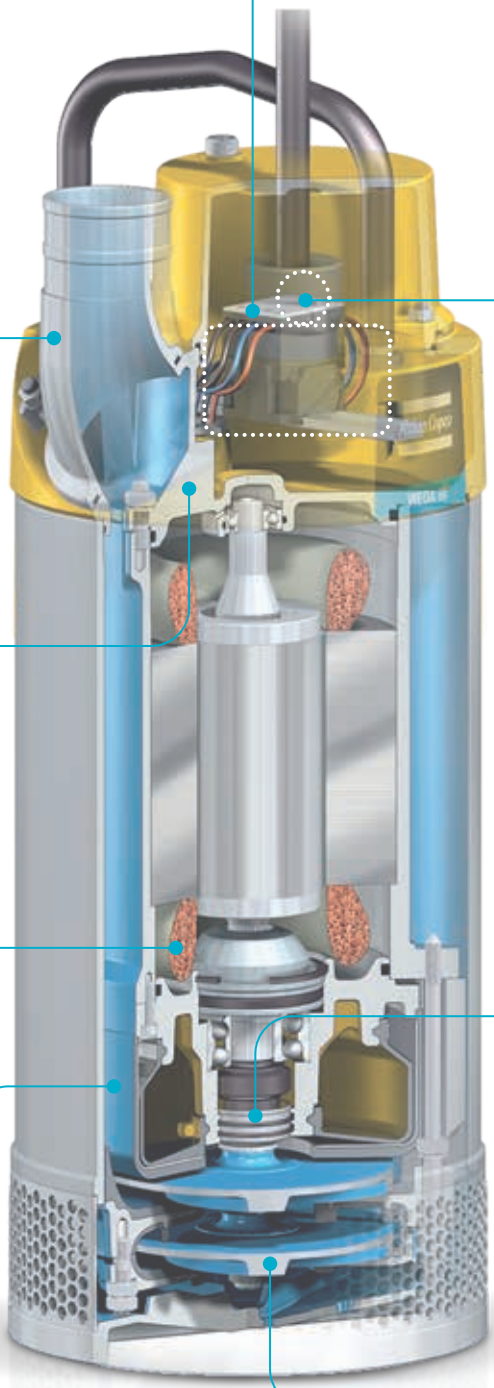
Rotation control

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

CABLE SEALING

Ensures protection against water leakage from cable entry

MOTOR PROTECTION

Class H motors, with thermal switches in each winding

SEALING SOLUTION

The sealing system is optimized for pump size

EXTENDED PERFORMANCE

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

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.

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

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

EASY INSPECTION

External oil inspection plug for quick inspection of oil

SEALING SOLUTION

The sealing system is optimized for pump size

SOLIDS HANDLING

Sludge pumps can handle solids up to 50 mm

SOLIDS HANDLING UP TO 50 mm

SUSTAINABLE PERFORMANCE

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

55 HRC

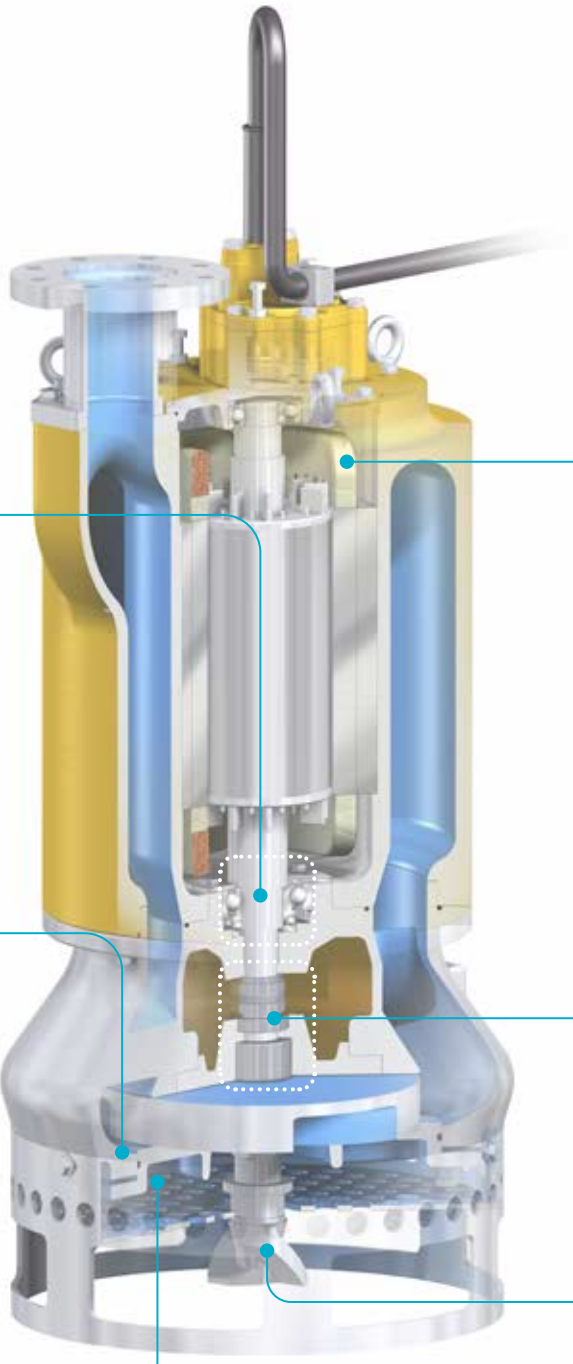
ROBUST DESIGN

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

**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

HEAVY-DUTY MOTOR

Electric motor insulation class H with thermal contacts for overload protection

HIGH ABRASION RESISTANCE

Thanks to the high-chrome wear parts

REINFORCED SEALING

A double silicon carbide mechanical seal for heavy-duty application

SOLIDS HANDLING

Slurry pumps can handle solids up to 60 mm

SOLIDS HANDLING UP TO 60 mm

SUSTAINABLE PERFORMANCE

High efficiency high chrome agitator to lift settled solids

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

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

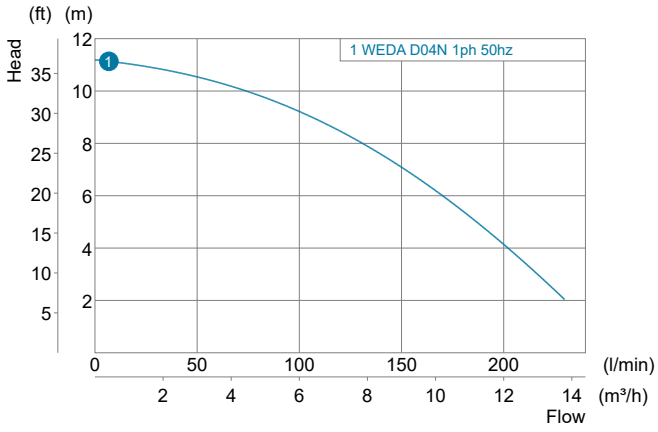
		WEDA D04N	WEDA D04BN	WEDA D08N	WEDA D10N		WEDA D30L		WEDA D30N		WEDA D40N
SPECIFICATIONS		**1ph**	**1ph**	**1ph**	**1ph**	**3ph**	**1ph**	**3ph**	**1ph**	**3ph**	**3ph**
Max. head	m	11.3	12.0	14.8	14.5	14.5	15.5	15.0	23	22	20
Max. flow	l/min	250	120	325	490	490	1450	1425	820	810	1600
	m^3/h	15	7.2	20	30	30	85	85	50	50	95
Shaft speed	r.p.m.	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900
Rated output	kW	0.4	0.4	0.75	1.0	1.0	2.0	2.0	2.0	2.0	3.0
Max. power input	kW	0.65	0.65	1.2	1.6	1.3	2.6	2.6	2.6	2.6	3.6
Discharge connection	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
WEIGHT & DIMENSIONS											
Weight	kg	9.0	9.5	12.4	13.0	13.0	20	20	20	20	25
Height	mm	340	415	358	470	470	525	525	525	525	525
Width	mm	182	220	183	225	225	290	290	290	290	290
Diameter	mm	182	220	183	185	185	220	220	220	220	220

Typical applications

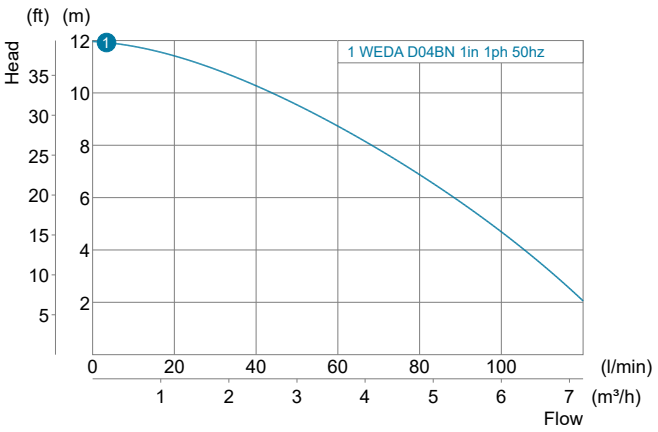
- General construction
- Ground water
- Raw water
- Construction sites

Performance curves

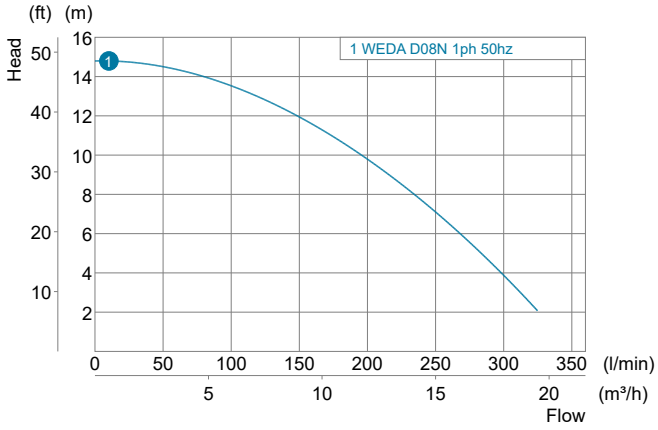
WEDA D04N



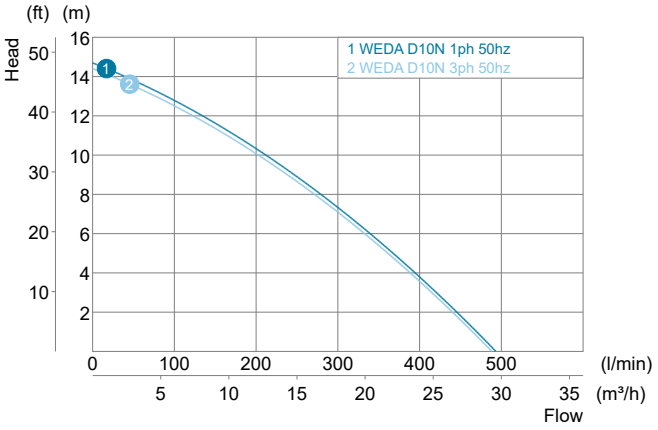
WEDA D04BN



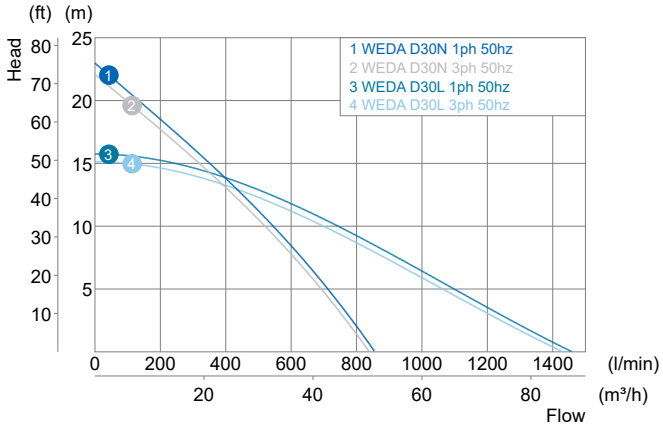
WEDA D08N



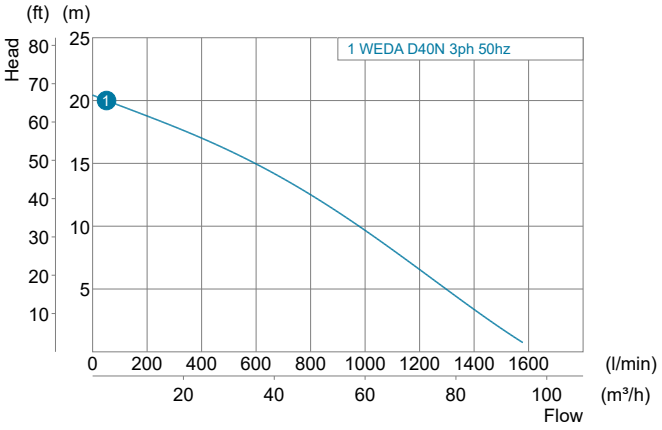
WEDA D10N



WEDA D30



WEDA D40N



WEDA D range

Technical data

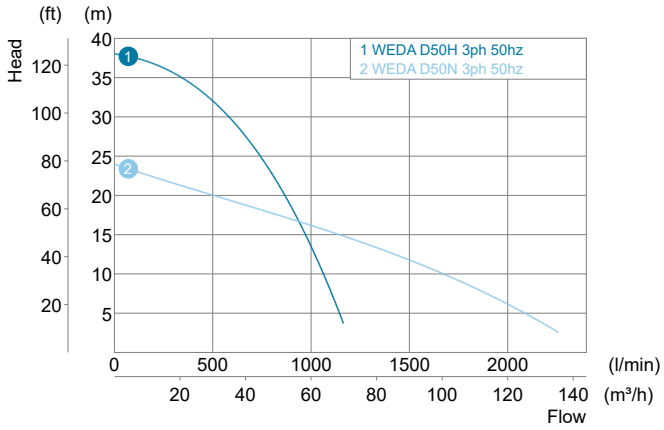
		WEDA D50N	WEDA D50H	WEDA D60N	WEDA D60H	WEDA D60SH	WEDA D70L	WEDA D70H
SPECIFICATIONS		**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**
Max. head	m	24	38	28	38	59	37	57
Max. flow	l/min	2300	1150	2600	1500	1050	4600	2500
	m^3/h	135	70	155	90	60	275	150
Shaft speed	r.p.m.	2900	2900	2900	2900	2900	2900	2900
Rated output	kW	5.6	5.6	7.5	7.5	7.5	12	12
Max. power input	kW	6.7	6.7	8.8	8.8	8.8	13.8	13.8
Discharge connection	inch	4"	3"	4"	3"	3"	6"	4"
Max. solids handling size	mm	8	8	8	8	8	10	10
WEIGHT & DIMENSIONS								
Weight	kg	55	55	61	61	62	110	110
Height	mm	720	720	760	760	760	943	943
Width	mm	330	302	330	302	302	416	393
Diameter	mm	278	278	278	278	278	370	370

Typical applications

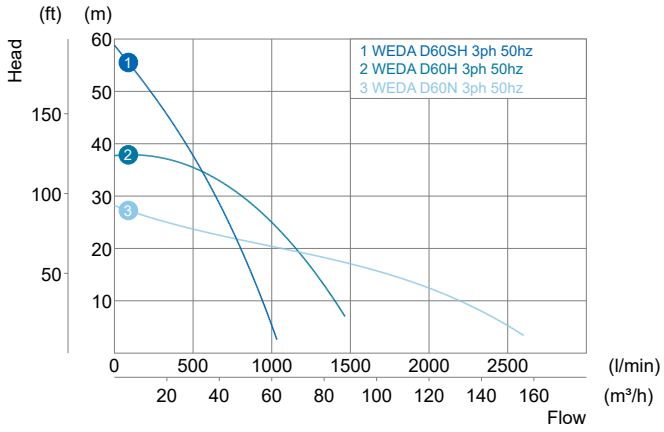
- General construction
- Ground water
- Raw water
- Construction sites

Performance curves

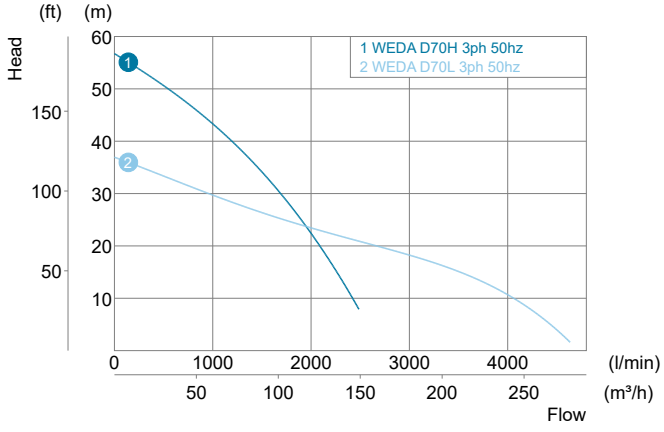
WEDA D50



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

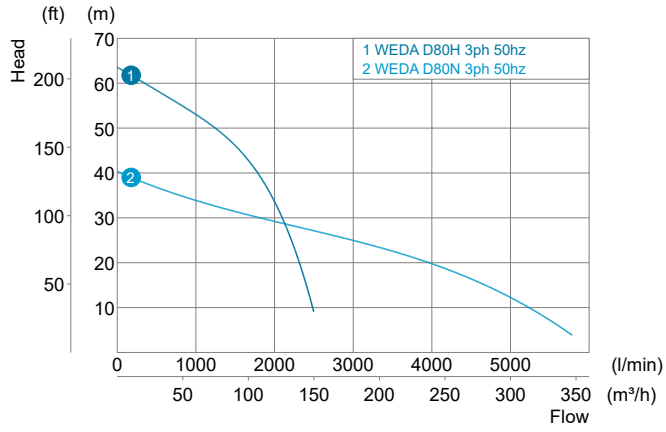
		WEDA D80N	WEDA D80H	WEDA D90L	WEDA D90H	WEDA D95N	WEDA D95H	WEDA D100N
SPECIFICATIONS		**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**
Max. head	m	40	65	44	86	31	86	43
Max. flow	l/min	6000	2500	6800	2400	11000	4000	18000
	m^3/h	360	150	400	145	660	240	1080
Shaft speed	r.p.m.	2900	2900	2900	2900	2900	2900	1450
Rated output	kW	20	20	27	27	37	37	60
Max. power input	kW	22	22	30	30	43	43	65
Discharge connection	inch	6"	4"	6"	4"	8"	4"	10"
Max. solids handling size	mm	12	12	7	7	16	12	12
WEIGHT & DIMENSIONS								
Weight	kg	175	175	180	180	265	265	510
Height	mm	980	980	1100	1100	1330	1330	1412
Width	mm	690	665	480	480	460	460	650
Diameter	mm	530	530	400	400	460	460	600

Typical applications

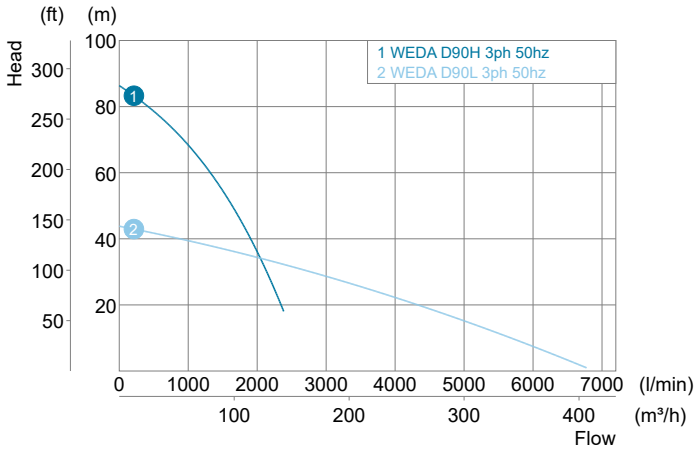
- General construction
- Ground water
- Raw water
- Construction sites

Performance curves

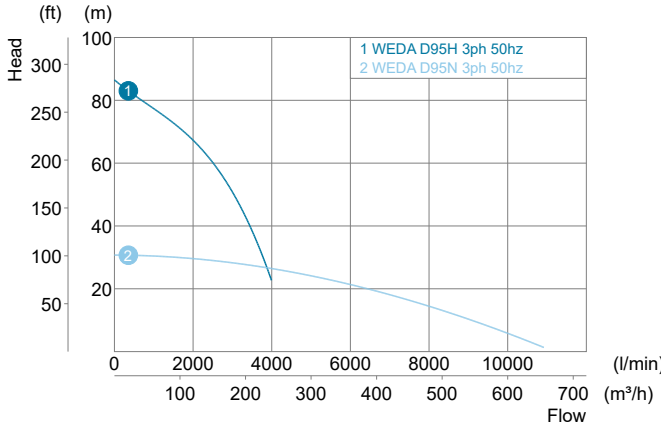
WEDA D80



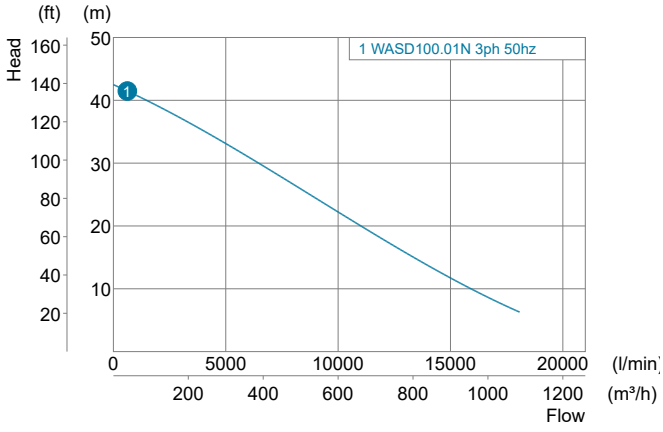
WEDA D90



WEDA D95



WEDA D100



WEDA S range

Technical data

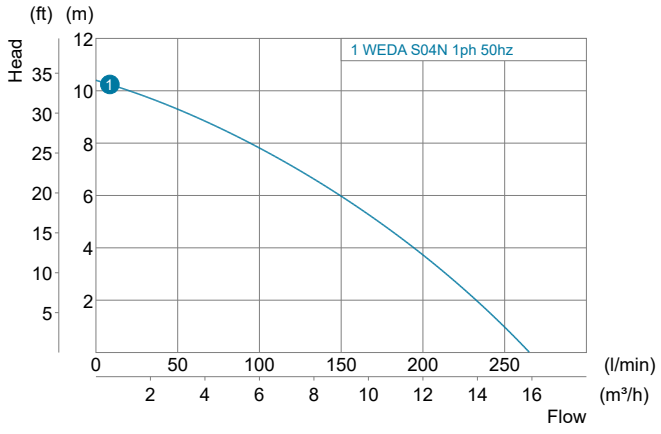
		WEDA S04N	WEDA S08N	WEDA S30N		WEDA S50N	WEDA S60N
SPECIFICATIONS		**1ph**	**1ph**	**1ph**	**3ph**	**3ph**	**3ph**
Max. head	m	10.5	13	13	15	23	25
Max. flow	l/min	270	320	800	950	1450	1750
	m^3/h	16	19	48	57	87	105
Shaft speed	r.p.m.	2900	2900	2900	2900	2900	2900
Rated output	kW	0.4	0.75	1.8	2.5	4.8	6.9
Max. power input	kW	0.65	1.2	2.4	3	5.7	8.1
Discharge connection	inch	2"	2"	3"	3"	4"	4"
Max. solids handling size	mm	25	25	50	50	50	50
WEIGHT & DIMENSIONS							
Weight	kg	11	13	25	25	59	65
Height	mm	375	416	620	620	810	870
Width	mm	277	277	326	326	450	450
Diameter	mm	241	241	250	250	350	350

Typical applications

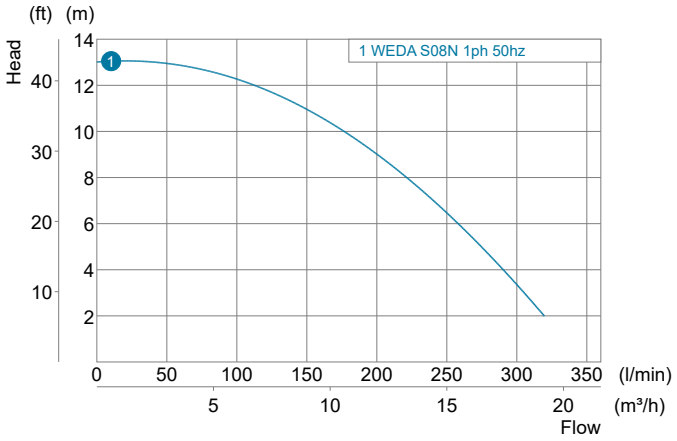
- Sludge or light slurry
- Tank clean-out
- Trench and pond cleaning
- Mining

Performance curves

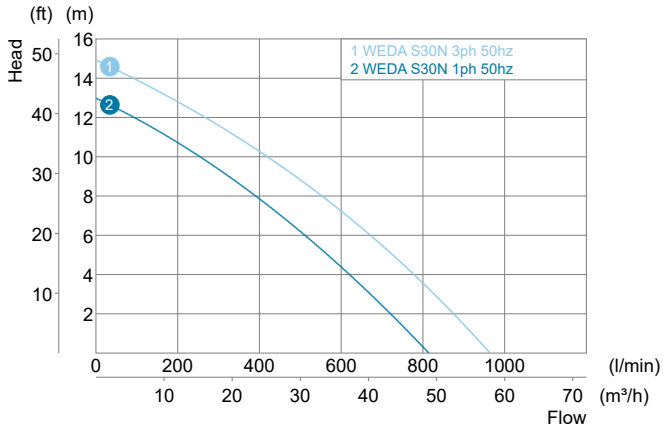
WEDA S04N



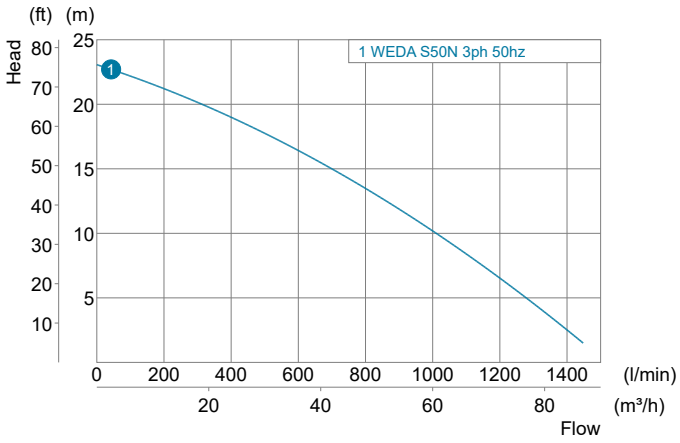
WEDA S08N



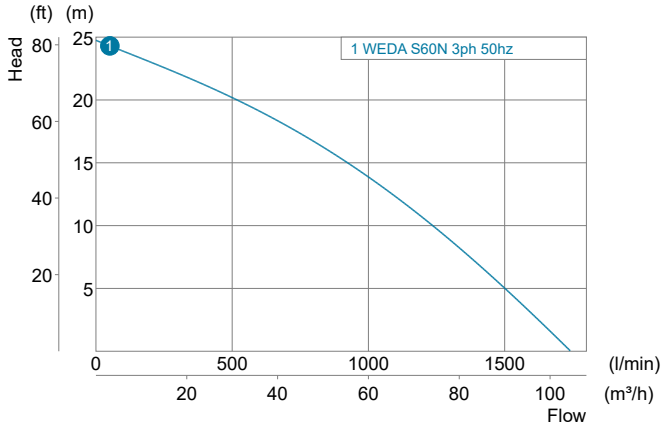
WEDA S30N



WEDA S50N



WEDA S60N



WEDA L range

Technical data

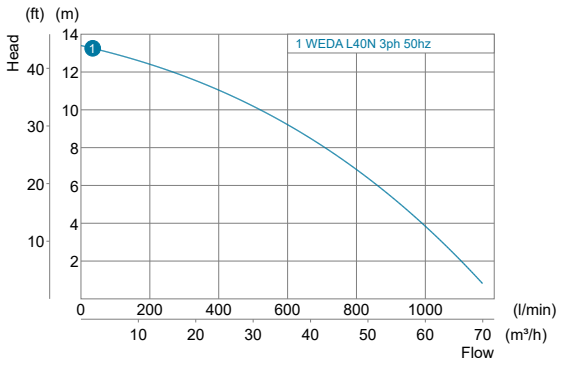
		WEDA L40N	WEDA L50N	WEDA L60N	WEDA L70N	WEDA L80N	WEDA L95N	WEDA L100N	WEDA L110N
SPECIFICATIONS		**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**	**3ph**
Max. head	m	13	17	23	24	26	47	30	43
Max. flow	l/min	1150	1700	1050	1500	3300	4750	11000	12500
	m^3/h	69	102	63	90	198	285	660	750
Shaft speed	r.p.m.	1450	1450	1450	1450	1450	1450	980	1450
Rated output	kW	3.7	5.5	9.0	11.0	15.0	37	45	75
Max. power input	kW	4.5	6.8	10.4	12.8	16.1	40	49	80
Discharge connection	inch	3"	4"	4"	4"	4"	4"	6"	6"
Max. solids handling size	mm	20	25	25	25	25	35	60	60
WEIGHT & DIMENSIONS									
Weight	kg	185	260	260	270	310	750	1005	1070
Height	mm	793	914	914	914	1080	1605	1605	1605
Width	mm	388	435	435	435	580	935	935	935
Diameter	mm	337	413	413	413	495	546	546	546

Typical applications

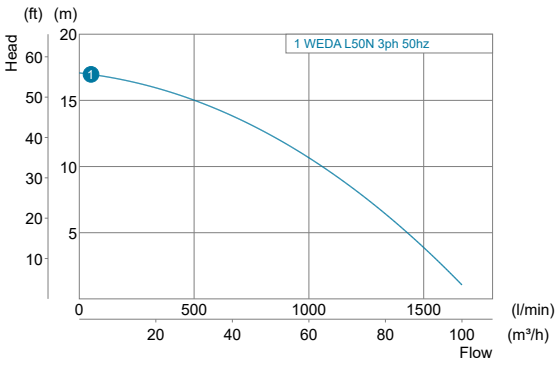
- Abrasive media with high solids content
- Quarries
- Dredging
- Settling ponds

Performance curves

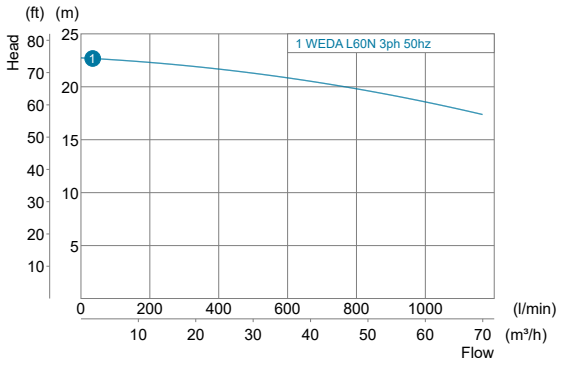
WEDA L40N



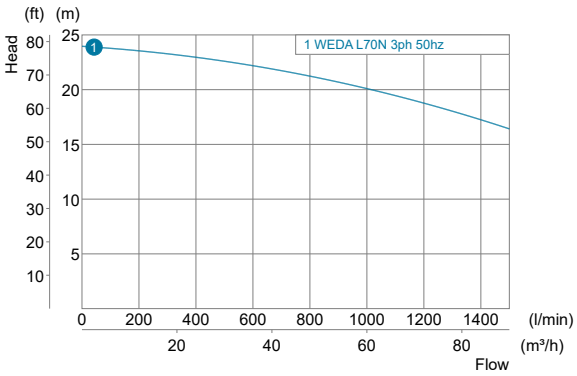
WEDA L50N



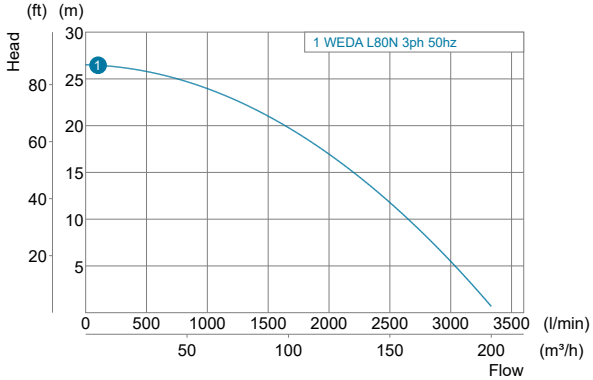
WEDA L60N



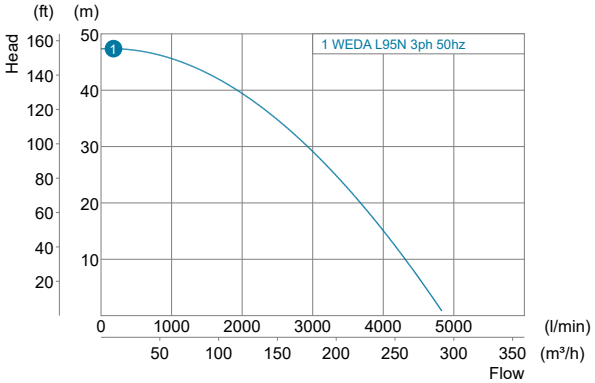
WEDA L70N



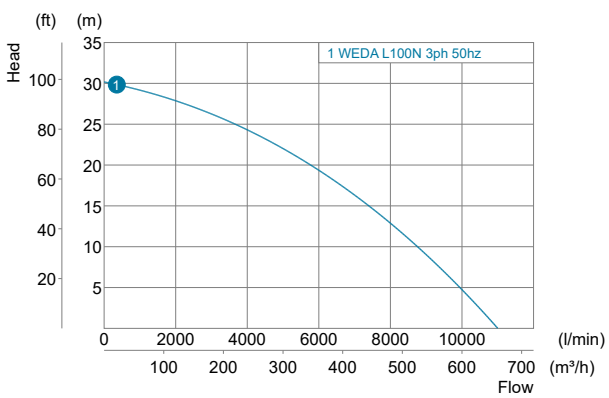
WEDA L80N



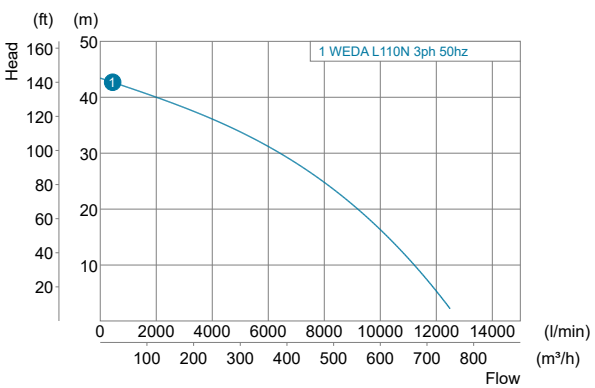
WEDA L95N



WEDA L100N



WEDA L110N



Accesories

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

SPECIALIZED
9–660* kVA

VERSATILE
9–1250* kVA

LARGE POWER
800–1450 kVA

*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

Diesel and electric options available

ENERGY STORAGE SYSTEMS

ZENERGIZE
45-500* kVA

LIGHT TOWERS

DIESEL

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.

LightThe Power

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

CONNECTED FLEET LINK SECURED

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.

360°

Atlas Copco

Atlas Copco Power Technique

www.atlascopco.com