WEDA D10N (50 Hz)

Product reference sheet

The WEDA drainage pumps handle either clean or sand-laden water, even with small solid particles, with the best performance and efficiency and with the highest power to weight ratio. These pumps are particularly suitable for general dewatering applications, ground water, raw water, construction sites and harsh conditions on site.

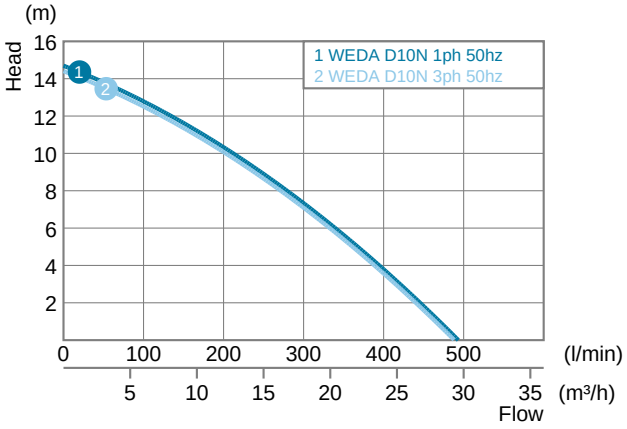
Product code	WEDA D10
Installation	Portable drainage pump
Hydraulic range	N - normal head
Insulation class	F (+155°C/+311°F) IEC 85
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Strainer	Hard sole - reinforced polyethylene
Shaft	Stainless steel
O-rings	Rubber (NBR)
Main bearing	Single row ball bearing in oil
Mechanical seal	Primary + secondary: grease lubricated lip seal on WC wear sleeve
Built-in controls and protection	1 ph: capacitor + contactor 3 ph: contactor + control relay
Thermal contacts	140°C / 284°F
Options / accessories	Float switch Zinc anodes Epoxy coating Low suction collar Quick couplings (hose / NPT / ISO-G / Camlock / Storz) Pump raft Terminal board NSSHÖU screened cable

Product code	WEDA D10
Solid handling, strainer hole	4 mm
Liquid temperature	Max 40°C
Depth of immersion	Max 20 m
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

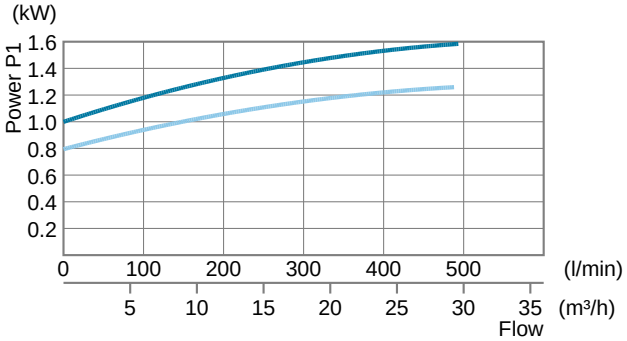
Weight and dimensions	N - Normal head
Discharge connection	2" (50 mm)
Height	395 / 470 (110V) mm
Width	225 mm
Diameter	185 mm
Weight (excl. cable)	13.0 kg



Performance curve



Power rating



Rating	1 ph	3 ph	Std cable
Power P_1	1.6 kW	1.3 kW	
Power P_2	1.0 kW	1.0 kW	
Shaft speed	2900 r.p.m.	2900 r.p.m.	
110 V	15.2 A	-	2.5mm²
230 V	7.1 A	4.1 A	1.5mm²
400 V	-	2.3 A	1.5mm²
500 V	-	1.9 A	1.5mm²
690 V	-	1.4 A	1.5mm²

Other voltages on request

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(2022-11-25) 2960 2950 00 rev 5 2021.11 - Subject to modifications without prior notice

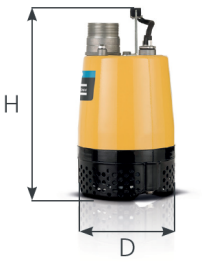
WEDA D04 - WEDA D08 (50 Hz)

WEDA-D0 Product reference sheet

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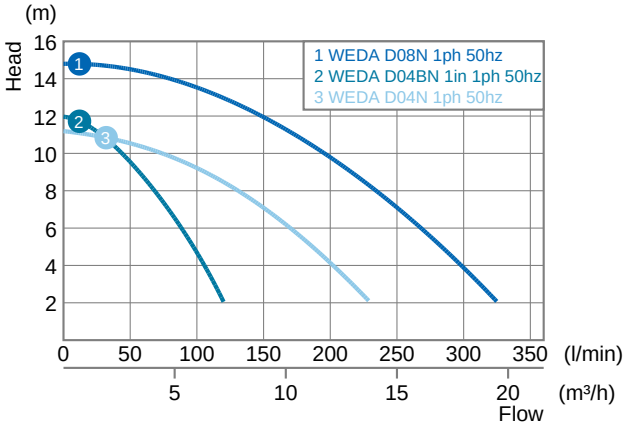
Technical details	D04N	D04BN	D08N
Discharge, hose and ISO-G	2" (50 mm)	1" (25 mm)	2" (50 mm)
Max head	11.3 m	12 m	14.8 m
Max flow	250 l/min	120 l/min	325 l/min
Solids handling	7.5 mm	4.5 mm	7.5 mm
Cable length	10 m	10 m	10 m
Submerged depth	5 m	5 m	5 m
Impeller type	semi vortex	semi vortex	semi vortex
Impeller material	polyurethan	polyurethan	polyurethan
Diffuser material	rubber (NBR)	rubber (NBR)	rubber (NBR)
Shaft seals	silicon carbide	silicon carbide	silicon carbide
Motor protection	thermal protection	thermal protection	thermal protection
Motor insulation class	E	E	E
pH range	6.5-8	6.5-8	6.5-8
Max fluid temperature	35°C	35°C	35°C

Dimensions	D04N	D04BN	D08N
Height	340 mm	415 mm	358 mm
Diameter	182 mm	220 mm	183 mm
Weight	9 kg	9.5 kg	12.4 kg





Performance curve



Power rating

Motor rating	D04N 1 ph	D04BN 1 ph	D08N 1ph
Rated output	0.4 kW	0.4 kW	0.75 kW
Power input	0.65 kW	0.65 kW	1.2 kW
Rated current (230V)	2.8 A	2.8 A	5.2 A
Shaft speed	2900 r.p.m.	2900 r.p.m.	2900 r.p.m.

Other voltages on request

(2022-11-25) 2960 5140 00 rev 1 2021.06 - Subject to modifications without prior notice

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WEDA D40 (50 Hz)

Product reference sheet

The WEDA drainage pumps handle either clean or sand-laden water, even with small solid particles, with the best performance and efficiency and with the highest power to weight ratio. These pumps are particularly suitable for general dewatering applications, ground water, raw water, construction sites and harsh conditions on site.

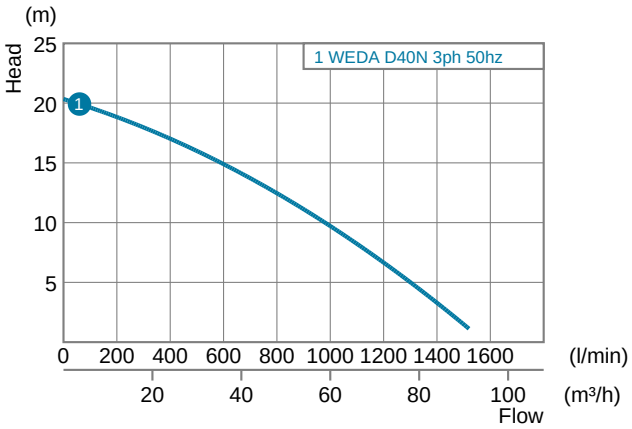
Product code	WEDA D40
Installation	Portable drainage pump
Hydraulic range	N - normal head
Insulation class	F (+155°C/+311°F) IEC 85
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Strainer	Hard sole - reinforced polyethylene
Shaft	Stainless steel
O-rings	Rubber (NBR)
Main bearing	Single row ball bearing in oil
Mechanical seal	Primary: SiC/SiC Secondary: lip seal on wear sleeve
Built-in controls and protection	contactor + control relay
Thermal contacts	140°C / 284°F
Options / accessories	Float switch Zinc anodes Epoxy coating Low suction collar Quick couplings (hose / NPT / ISO-G / Camlock / Storz) Pump raft Terminal board NSSHÖU screened cable Slim adapter

Product code	WEDA D40
Solid handling, strainer hole	7 mm
Liquid temperature	Max 40°C
Depth of immersion	Max 20 m
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

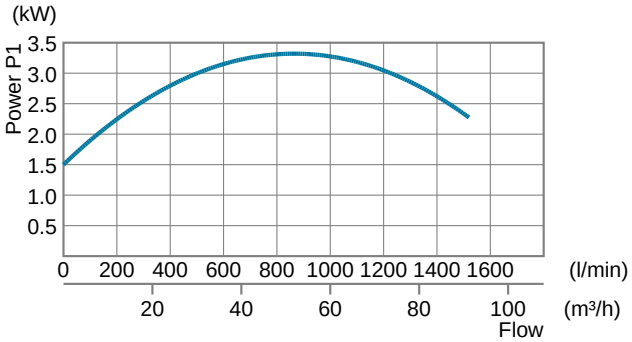
Weight and dimensions	N - Normal head
Discharge connection	3" (75 mm)
Height	525 mm
Width	290 mm
Diameter	220 mm
Weight (excl. cable)	25 kg



Performance curve



Power rating



Rating	3 ph	Std cable
Power P_1	3.6 kW	
Power P_2	3.0 kW	
Shaft speed	2900 r.p.m.	
230 V	10.5 A	1.5mm²
400 V	6.1 A	1.5mm²
500 V	4.8 A	1.5mm²
690 V	3.5 A	1.5mm²

Other voltages on request

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WEDA D50 (50 Hz)

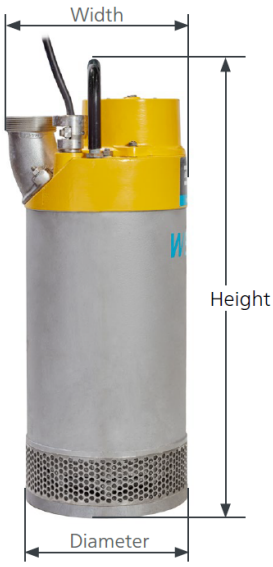
Product reference sheet

The WEDA drainage pumps handle either clean or sand-laden water, even with small solid particles, with the best performance and efficiency. These pumps are designed with robustness, sustained performance and ease-of-maintenance in mind. Suitable for general dewatering applications, ground water, raw water, construction sites and harsh conditions on site.

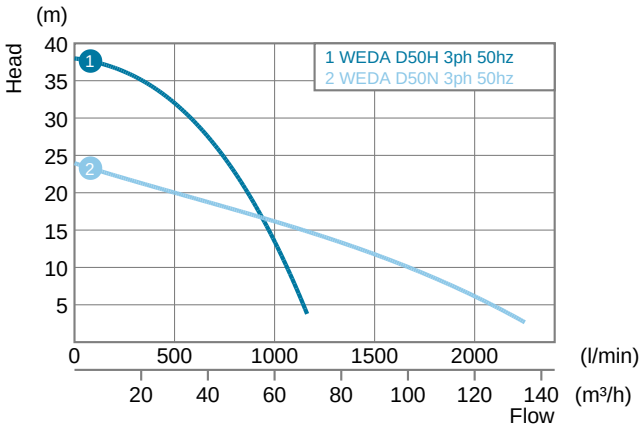
Product code	WEDA D50
Installation	Portable drainage pump
Hydraulic range	N - normal head H - high head
Insulation class	H (+180°C/+356°F) IEC 85
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Strainer	Corrosion resistant aluminum
Shaft	Stainless steel
O-rings	Rubber (NBR)
Main bearing	Double row ball bearing in oil
Mechanical seal	Primary + secondary: SiC/SiC
Built-in controls and protection	contactor + control relay
Thermal contacts	140°C / 284°F
Options / accessories	Float switch Zinc anodes Epoxy coating Quick couplings (hose / NPT / ISO-G / Camlock / Storz) Pump raft Terminal board Softstarter NSSHÖU screened cable Slim adapter

Product code	WEDA D50
Solid handling, strainer hole	8 mm
Liquid temperature	Max 40°C
Depth of immersion	Max 20 m
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

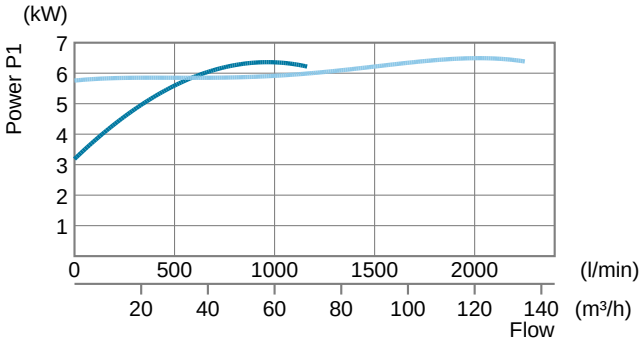
Weight and dimensions	N - Normal head	H - High head
Discharge connection	4" (100 mm)	3" (75 mm)
Height	720 mm	720 mm
Width	330 mm	302 mm
Diameter	278 mm	278 mm
Weight (excl. cable)	55 kg	55 kg



Performance curve



Power rating



Rating	3 ph	Std cable
Power P_1	6.7 kW	
Power P_2	5.6 kW	
Shaft speed	2900 r.p.m.	
230 V	18.6 A	4mm²
400 V	10.7 A	2.5mm²
500 V	8.6 A	2.5mm²
690 V	6.2 A	2.5mm²
1000 V	4.3 A	2.5mm²

Other voltages on request

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WEDA D60 (50 Hz)

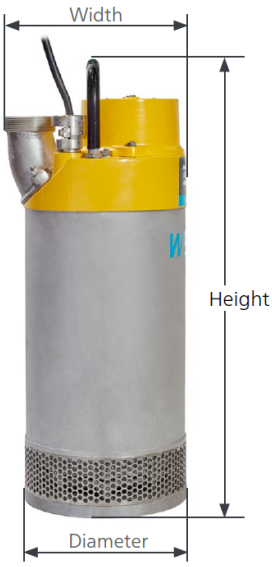
Product reference sheet

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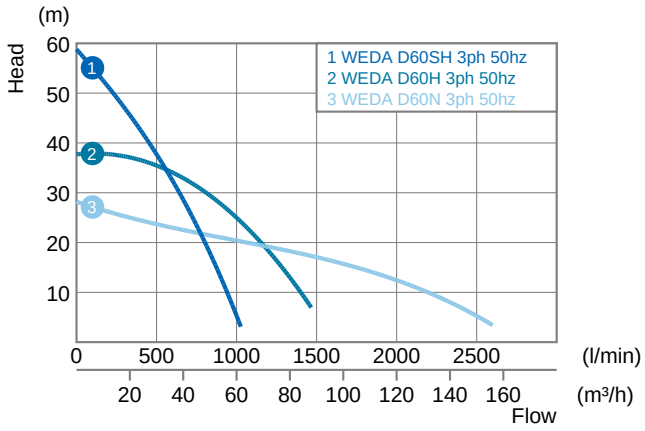
Product code	WEDA D60
Installation	Portable drainage pump
Hydraulic range	N - normal head H - high head SH - super high head
Insulation class	H (+180°C/+356°F) IEC 85 (VFD-ready)
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Strainer	Corrosion resistant aluminum
Shaft	Stainless steel
O-rings	Rubber (NBR)
Main bearing	Double row ball bearing in oil
Mechanical seal	Primary + secondary: SiC/SiC
Built-in controls and protection	contactor + control relay
Thermal contacts	140°C / 284°F
Options / accessories	Float switch Zinc anodes Epoxy coating Quick couplings (hose / NPT / ISO-G / Camlock / Storz) Pump raft Terminal board Softstarter NSSHÖU screened cable Slim adapter

Product code	WEDA D60
Solid handling, strainer hole	8 mm
Liquid temperature	Max 40°C
Depth of immersion	Max 20 m
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

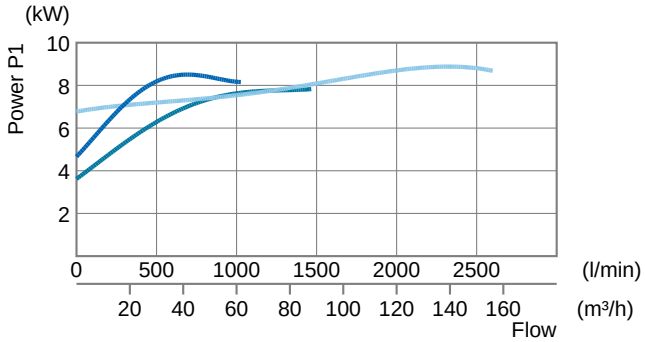
Weight and dimensions	N - Normal head	H - High head	SH - Super high head
Discharge connection	4" (100 mm)	3" (75 mm)	3" (75 mm)
Height	760 mm	760 mm	760 mm
Width	330 mm	302 mm	302 mm
Diameter	278 mm	278 mm	278 mm
Weight (excl. cable)	61 kg	61 kg	62 kg



Performance curve



Power rating



Rating	3 ph	Std cable
Power P_1	8.8 kW	
Power P_2	7.5 kW	
Shaft speed	2900 r.p.m.	
230 V	26 A	4mm²
400 V	14.2 A	2.5mm²
500 V	11.4 A	2.5mm²
690 V	8.3 A	2.5mm²
1000 V	5.7 A	2.5mm²

Other voltages on request

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WEDA D70 (50 Hz)

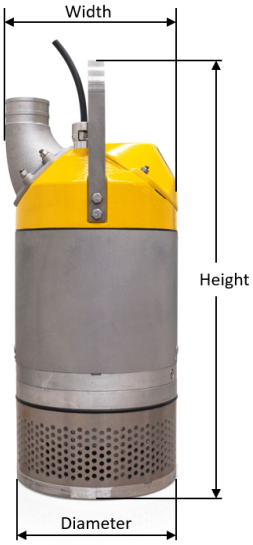
Product reference sheet

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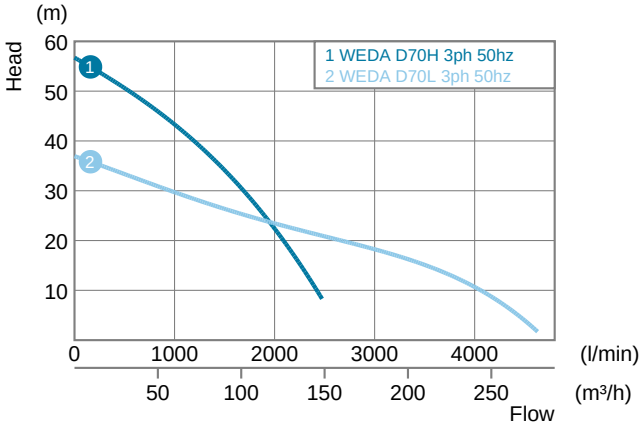
Product code	WEDA D70
Installation	Portable drainage pump
Hydraulic range	L - high flow H - high head
Insulation class	H (+180°C/+356°F) IEC 85 (VFD-ready)
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Diffuser	Polyurethane
Strainer	Corrosion resistant aluminum
Shaft	Stainless steel
O-rings	Rubber (NBR)
Main bearing	Double row ball bearing, pre-greased
Mechanical seal	Cartridge-type, primary + secondary: SiC/SiC
Built-in controls and protection	contactor + control relay + overload relay
Thermal contacts	140°C / 284°F
Options / accessories	Float switch Zinc anodes Epoxy coating Quick couplings (hose / NPT / ISO-G / Camlock / Storz) Pump raft Terminal board Softstarter NSSHÖU screened cable Slim adapter D70H

Product code	WEDA D70
Solid handling, strainer hole	10 mm
Liquid temperature	Max 40°C
Depth of immersion	Max 20 m
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

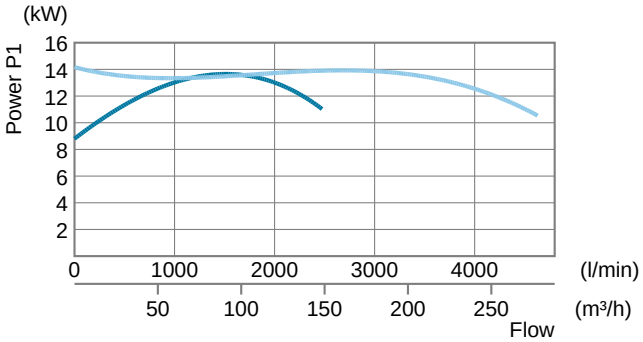
Weight and dimensions	L - High flow	H - High head
Discharge connection	6" (150 mm)	4" (100mm)
Height	943 mm	943 mm
Width	416 mm	393 mm
Diameter	370 mm	370 mm
Weight (excl. cable)	110 kg	110 kg



Performance curve



Power rating



Rating	3 ph	Std cable
Power P_1	13.8 kW	
Power P_2	12 kW	
Shaft speed	2900 r.p.m.	
400 V	23 A	4mm²
500 V	18.7 A	2.5mm²
690 V	13.6 A	2.5mm²
1000 V	9.4 A	2.5mm²

Other voltages on request

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