

# 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.

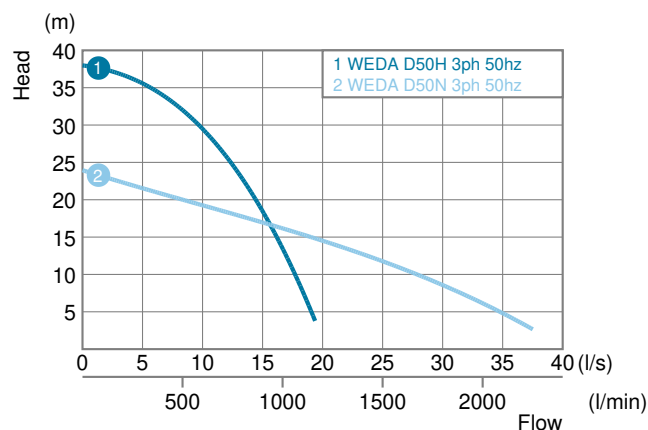
Product code	WEDA D50
Installation	Portable drainage pump
Hydraulic range	N - normal head H - high head
Insulation class	F (+155°C/+311°F) IEC 85
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
Cable	H07RN-F (20 m) or SOOW AWG (65 ft)
Casted parts	Corrosion resistant aluminum
Impeller	High chrome iron, 55±5 HRC
Wear parts	Rubber (NBR)
Strainer	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

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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	

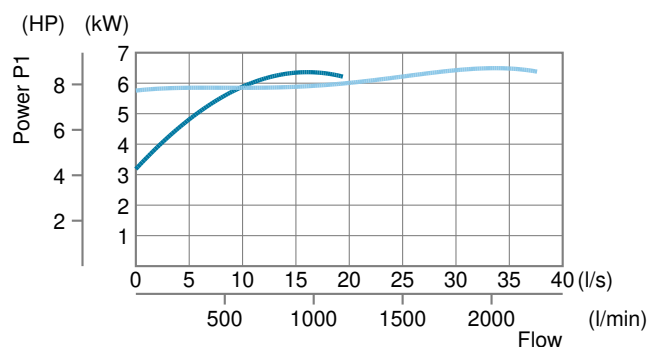
Weight and dimensions	N - Normal head	H - High head
Discharge connection	4" (100 mm)	3" (75 mm)
Height	720 mm	720 mm
Width	330 mm	302 mm
Diameter	278 mm	278 mm
Weight (excl. cable)	55 kg	55 kg



### Performance curve



### Power rating



Rating	3 ph	Std cable
Power P <sub>1</sub>	6.5 kW	
Power P <sub>2</sub>	5.6 kW	
Shaft speed	2900 r.p.m.	
230 V	18.1 A	4mm <sup>2</sup>
400 V	10.4 A	2.5mm <sup>2</sup>
500 V	8.4 A	2.5mm <sup>2</sup>
690 V	6.1 A	2.5mm <sup>2</sup>
1000 V	4.3 A	2.5mm <sup>2</sup>
Other voltages on request		



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Power and Flow division

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