

WEDA D80 (60 Hz)

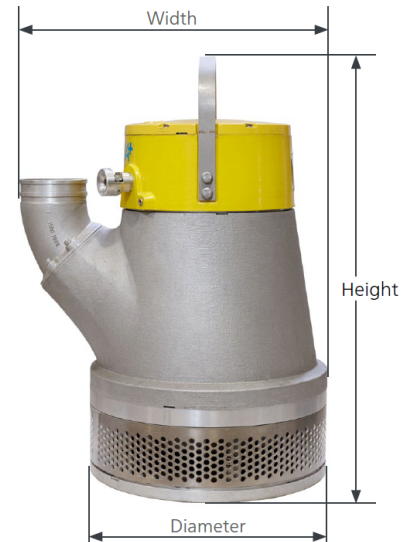
Product reference sheet

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.

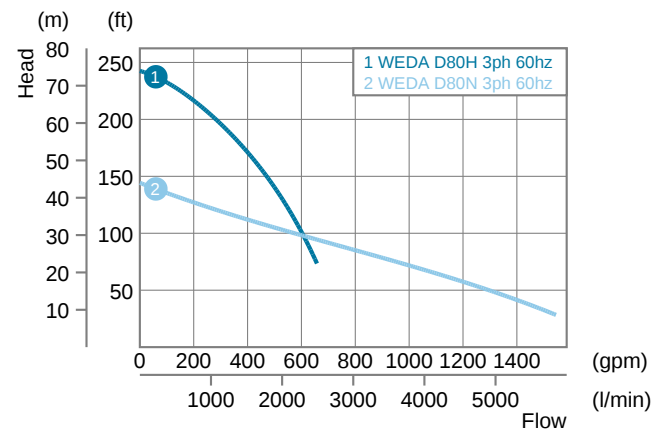
Product code	WEDA D80
Installation	Portable drainage pump
Hydraulic range	N - normal head H - high head
Insulation class	H (+180°C/+356°F) IEC 85 (VFD-ready)
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	Max 30 starts/hour
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)
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 NSSHÖU screened cable Terminal board Softstarter

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Solids handling, strainer hole	0.47 in
Liquid temperature	Max 104°F
Depth of immersion	Max 65 ft
Max liquid specific gravity	1.1
pH of the pumped liquid	pH 5–8

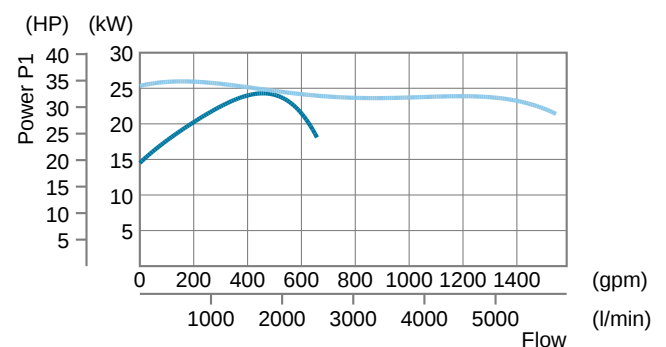
Weight and dimensions	N - Normal head	H - High head
Discharge connection	6 in	4 in
Height	38.6 in	38.6 in
Width	27.2 in	26.2 in
Diameter	20.9 in	20.9 in
Weight (excl. cable)	389 lb	389 lb



Performance curve



Power rating



Rating	3 ph	Std cable
Power P ₁	26 kW	
Power P ₂	31 HP	
Shaft speed	3500 r.p.m.	
460 V	38 A	AWG6
575 V	29 A	AWG8
Other voltages on request		