

WEDA D80 (60 Hz)

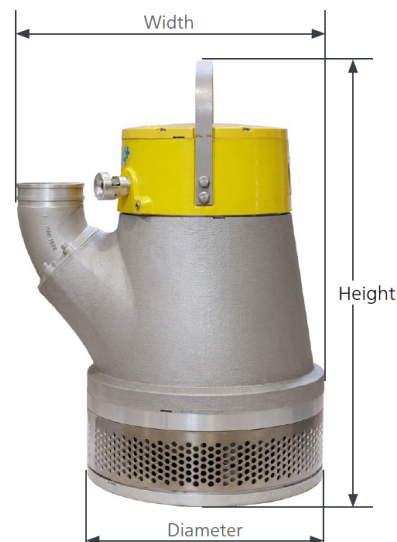
Product reference sheet

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.

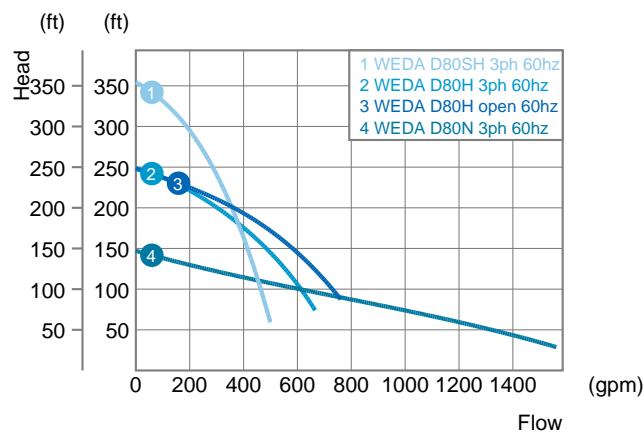
Product code	WEDA D80
Installation	Portable drainage pump
Hydraulic range	N - normal head H - high head SH - super high head
Insulation class	H (+180°C/+356°F) IEC 85 (VFD-ready)
Protection class	IP68
Voltage variation	Max ± 5% of nominal voltage
Voltage imbalance	Max 2% - between phases
Max start-stop	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, 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 (12 mm)		
Liquid temperature	Max 104°F (40°C)		
Depth of immersion	Max 65 ft (20 m)		
Max liquid specific gravity	1.1		
pH of the pumped liquid	pH 5–8		

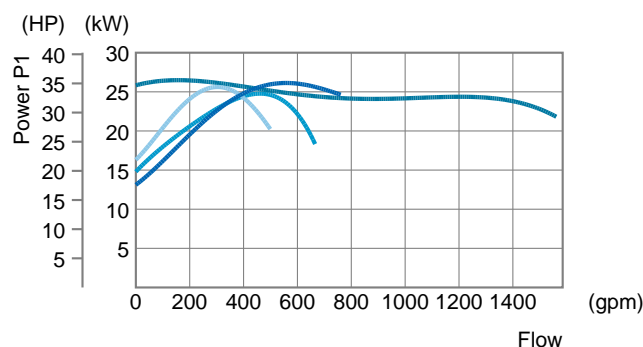
Weight and dimensions	N - Normal head	H - High head	SH - Super high head
Discharge connection	6 in	4 in	3 in
Height	38.6 in (980 mm)	38.6 in (980 mm)	41.6 in (1060 mm)
Width	27.2 in (690 mm)	26.2 in (665 mm)	25.5 in (650 mm)
Diameter	20.9 in (530 mm)	20.9 in (530 mm)	20.9 in (530 mm)
Weight (excl. cable)	389 lb (175 kg)	389 lb (175 kg)	470 lb (215 kg)



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	40 A	AWG6
575 V	30 A	AWG8

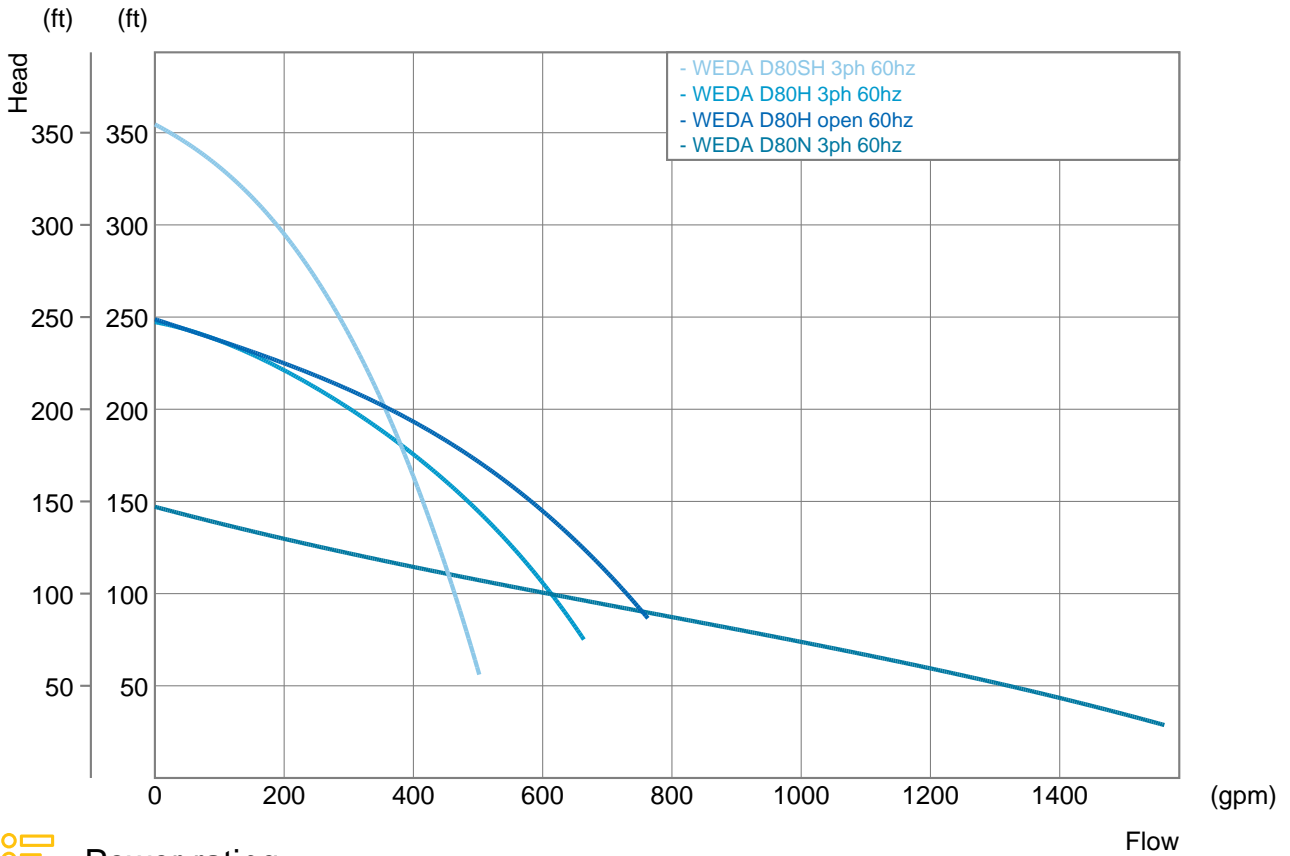
Other voltages on request

WEDA D80

Performance sheet



Performance curve



Power rating

