

WEDA D81 (60 Hz)

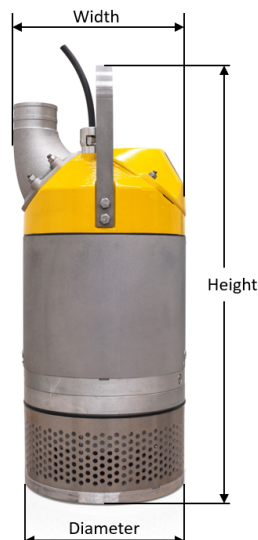
WASD81.00 Product reference sheet

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.

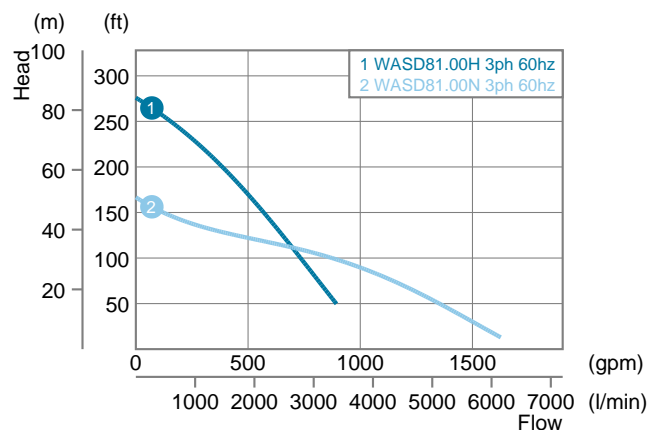
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|----------------------------------|---|
| Product code | WEDA D81 |
| Installation | Portable drainage pump |
| Hydraulic range | N - normal head H - high head |
| Insulation class | H (+180°C/+356°F) IEC 85 (VFD-ready) |
| Protection class | IP68 |
| 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) |
| 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 |

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|--------------------------------|------------------|
| Product code | WEDA D81 |
| 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 |

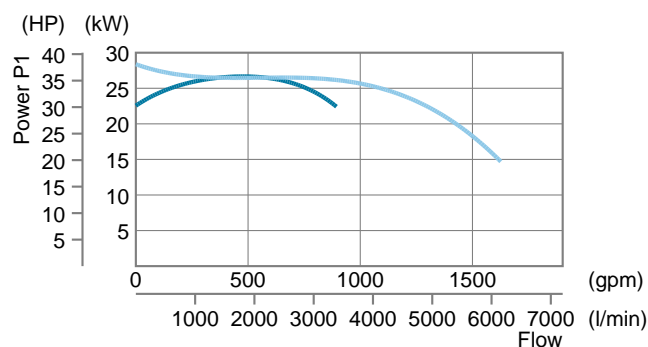
| Weight and dimensions | N - Normal head | H - High head |
|-----------------------|----------------------|----------------------|
| Discharge connection | 6 in | 4 in |
| Height | 42.2 in (1075 mm) | 42.2 in (1075 mm) |
| Width | 18.3 in (465 mm) | 17.3 in (440 mm) |
| Diameter | 16.7 in (425 mm) | 16.7 in (425 mm) |
| Weight (excl. cable) | 420 lbs (190 kg) | 420 lbs (190 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 | 38 A | AWG6 |
| 575 V | 30 A | AWG8 |

Other voltages on request



Atlas Copco

Power and Flow division

www.atlascopco.com/dewatering-pumps