

# WEDA D100 (60 Hz)

## WASD100.01 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.

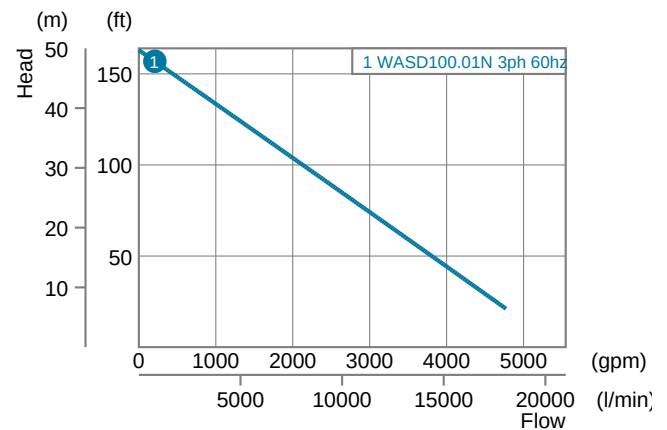
|                       |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| Product code          | WEDA D100                                                                                    |
| Installation          | Portable drainage pump                                                                       |
| Hydraulic range       | N - normal 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                 | type H07RN-F (20 m)<br>US: type W (65 ft)                                                    |
| Casted parts          | Corrosion resistant aluminum                                                                 |
| Impeller              | High chrome iron, 55±5 HRC                                                                   |
| Wear parts            | Cast iron and rubber (NBR)                                                                   |
| Strainer              | Galvanized steel                                                                             |
| Shaft                 | Stainless steel                                                                              |
| O-rings               | Rubber (NBR)                                                                                 |
| Main bearing          | 2 x single row ball bearing in oil                                                           |
| Mechanical seal       | Primary SiC/WC + secondary: carbon/SiC                                                       |
| Thermal contacts      | 140°C / 284°F                                                                                |
| Options / accessories | Zinc anodes<br>Epoxy coating<br>Couplings (hose / NPT)<br>Pump raft<br>NSSHÖU screened cable |

|                                |                  |
|--------------------------------|------------------|
| Product code                   | WEDA D100        |
| 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           |

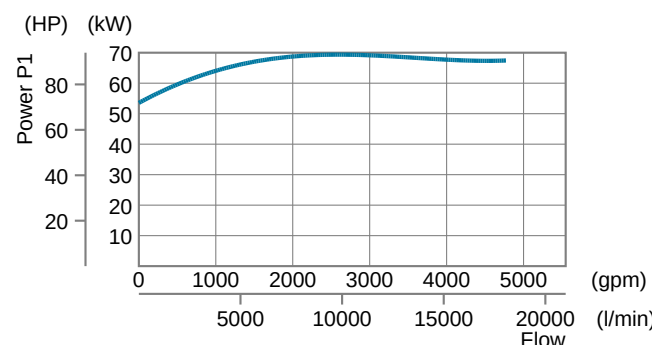
|                       |                   |
|-----------------------|-------------------|
| Weight and dimensions | N - Normal head   |
| Discharge connection  | 10 in             |
| Height                | 55.6 in (1412 mm) |
| Width                 | 25.6 in (650 mm)  |
| Diameter              | 23.6 in (600 mm)  |
| Weight (excl. cable)  | 1156 lb (520 kg)  |



### Performance curve



### Power rating



| Rating               | 3 ph        | Std cable |
|----------------------|-------------|-----------|
| Power P <sub>1</sub> | 74 kW       |           |
| Power P <sub>2</sub> | 92 HP       |           |
| Shaft speed          | 1750 r.p.m. |           |
| 460 V (YD)           | 105 A       | 2 x AWG2  |
| 460 V (DOL)          | 105 A       | 1 x AWG2  |
| 575 V                | 84 A        |           |

Other voltages on request

Atlas Copco

Atlas Copco  
Power and Flow division  
[www.atlascopco.com/dewatering-pumps](http://www.atlascopco.com/dewatering-pumps)