

# WEDA D90 (60 Hz)

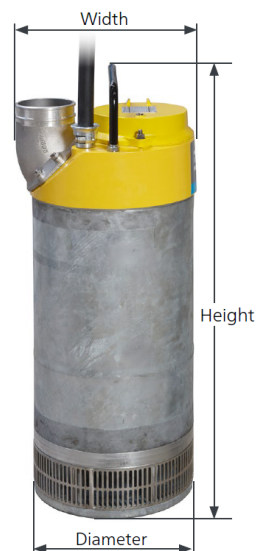
## Product reference sheet

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.

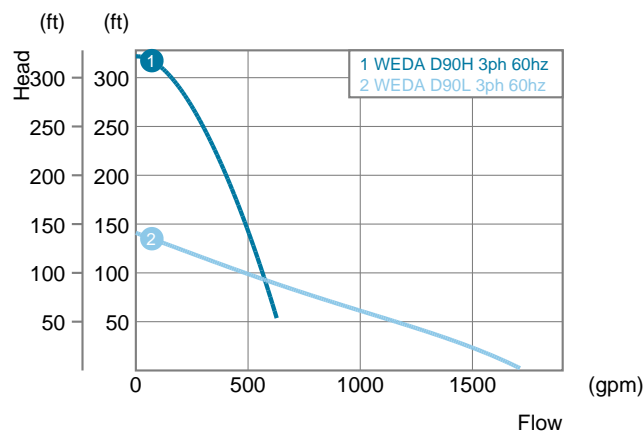
|                                  |  |
|----------------------------------|--|
| Product code                     | WEDA D90   |
| Installation                     | Portable drainage pump   |
| Hydraulic range                  | L - high flow<br>H - high head   |
| Insulation class                 | 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                         | 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   |
| Built-in controls and protection | contactor + control relay + overload relay   |
| Thermal contacts                 | 140°C / 284°F  |
| Options / accessories            | Float switch<br>Zinc anodes<br>Epoxy coating<br>Quick couplings (hose / NPT / ISO-G / Camlock / Storz)<br>Pump raft<br>Terminal board<br>Softstarter<br>NSSHÖU screened cable<br>Slim adapter D90H |

|                                |           |
|--------------------------------|-----------|
| Product code                   | WEDA D90  |
| Solids handling, strainer hole | 0.28 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    |

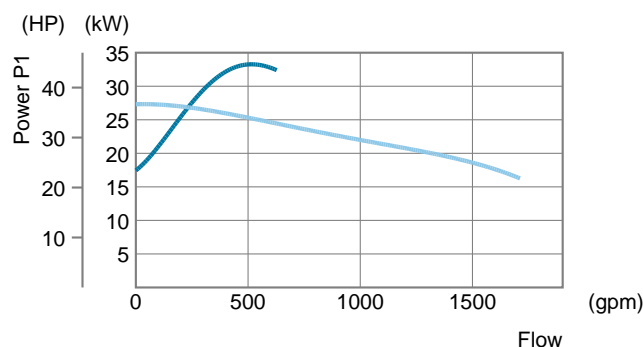
| Weight and dimensions | L - High flow | H - High head |
|-----------------------|---------------|---------------|
| Discharge connection  | 6 in          | 4 in          |
| Height                | 43.3 in       | 43.3 in       |
| Width                 | 18.9 in       | 18.9 in       |
| Diameter              | 15.7 in       | 15.7 in       |
| Weight (excl. cable)  | 400 lb        | 400 lb        |



### Performance curve



### Power rating



| Rating                    | 3 ph        | Std cable |
|---------------------------|-------------|-----------|
| Power P <sub>1</sub>      | 34 kW       |           |
| Power P <sub>2</sub>      | 40 HP       |           |
| Shaft speed               | 3500 r.p.m. |           |
| 460 V                     | 47 A        | AWG6      |
| 575 V                     | 37 A        | AWG6      |
| Other voltages on request |             |           |

(2023-03-01) 2960 3260 00 rev 4 2022.02 - Subject to modifications without prior notice



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

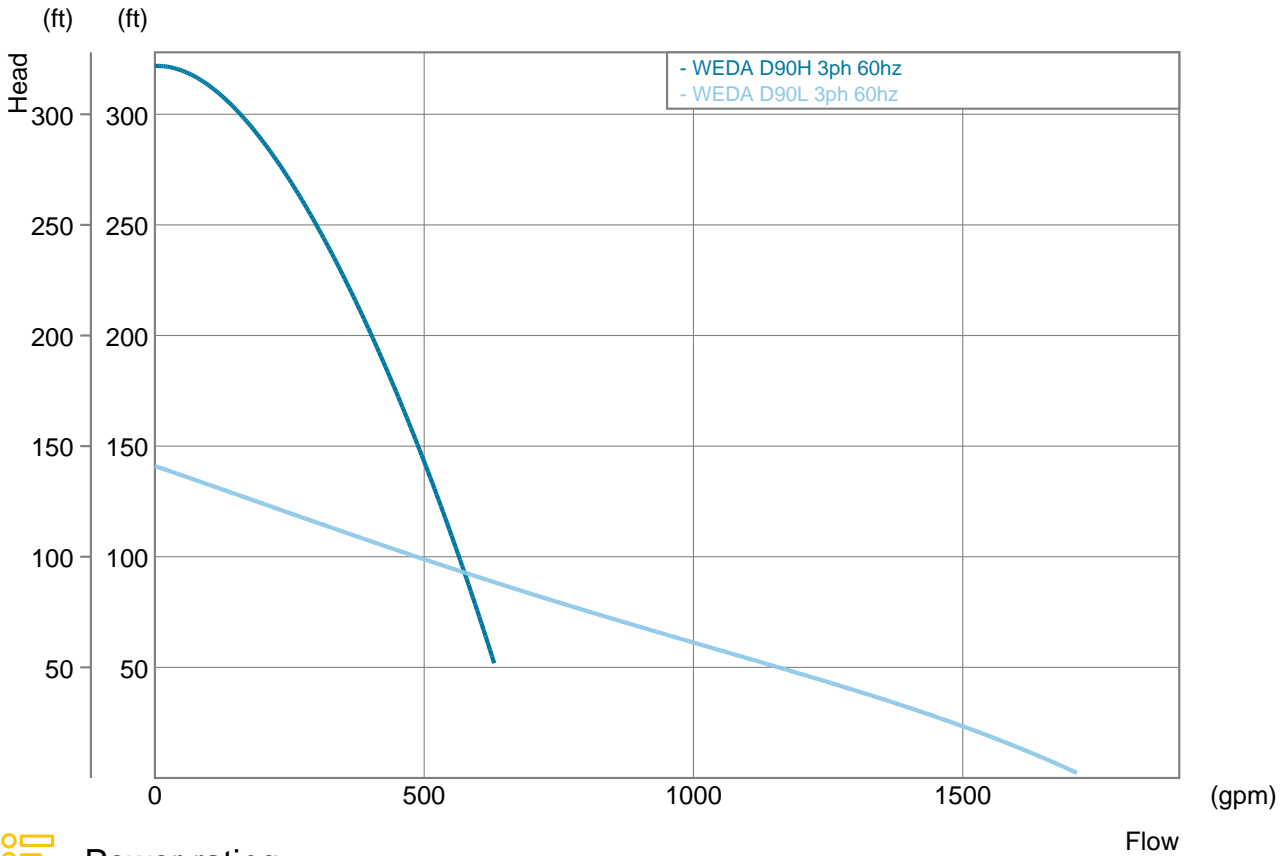


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## Performance sheet



### Performance curve



### Power rating

