

Drainage Pumps

DanPumps S-DP, 50 Hz

Product Applications

The DanPumps S-DP is a high-efficient lightweight drainage pump built in aluminium, and suitable for pumping water and dirty water mixed with soil. The DanPumps S-DP is the ideal choice for plug-in operations and is ready for use when delivered on site.

Design

The low weight and compact design ensure convenient transport, handling and installation.

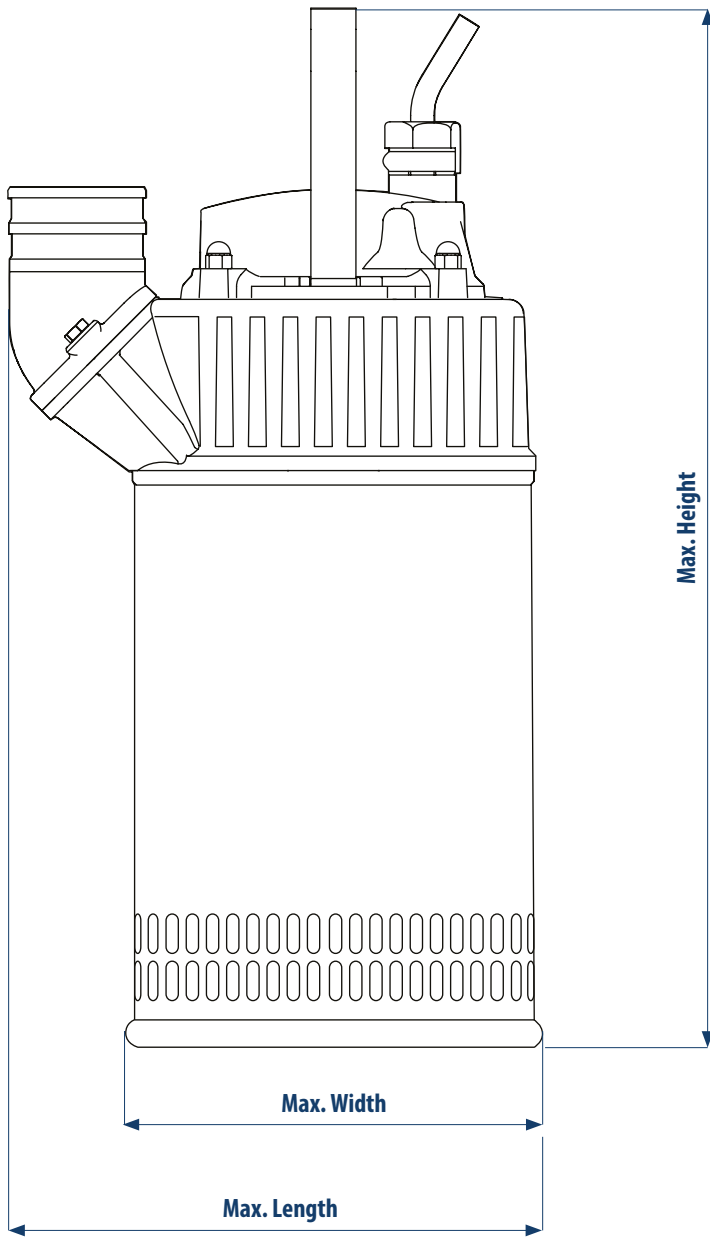
Materials

| | | | |
|---------------------------|--|--------------------------------------|----------|
| Castings | Aluminium | | |
| Impeller | Stainless steel | | |
| Casing, handle, fasteners | Stainless steel | 10088: X5CrNi18-10 (W.Nr. 1.4301) | AISI 304 |
| Shaft | Stainless steel | X20Cr13 (W.Nr. 1.4021) | AISI 420 |
| O-rings | NBR | | |
| Double Mechanical seal | In oil bath | | |
| Shaft seal | Primary seal: SIC/SIC Secondary seal: Stainless steel / Carbon | | |
| Bearings | Upper bearing: Single-row deep groove ball bearing Lower bearing: Double angular contact ball bearing | | |
| Cable | 20 m | H07RN-F | |

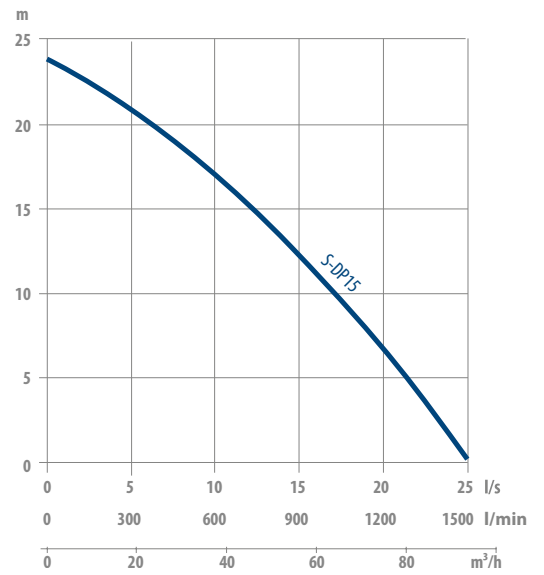
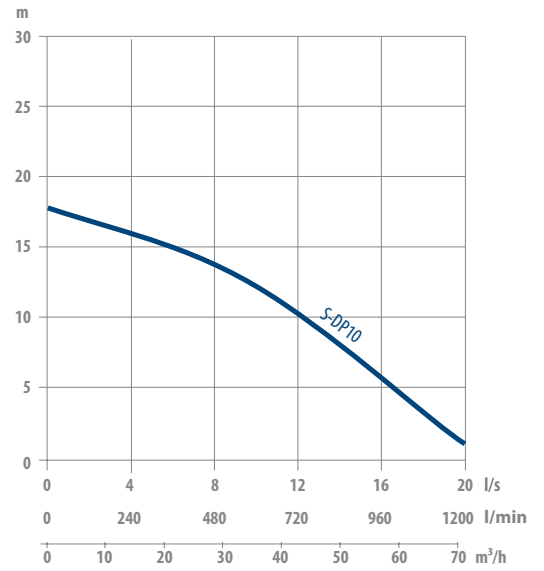
Operation standards:

- Max. submergence: 15 meter
- Max. temperature of pumped media at maximum power input and continuous duty: 40°C
- Max. medium density: 1100 kg/m³
- pH of the pumped medium: 5-8
- Any risk of overheating is avoided since the pumped media continuously cools the pump
- Motor protection: Build-in thermal switches in the stator windings (140°C, ±5) connected to build-in contactor





Performance Curves - DanPumps S-DP - 50Hz



| Type | kW P2 | Rpm | Outlet flang | Voltage (V) | Current (A) | Weight (kg) |
|--------|-------|------|---------------------|-------------|-------------|-------------|
| S-DP10 | 2.3 | 2870 | 3" Hose Connection* | 3 x 230/400 | 8.4/4.8 | 30 |
| S-DP15 | 3.9 | 2870 | 3" Hose Connection* | 3 x 230/400 | 14.1/8.1 | 32 |

| Type | Max. Height | Max. Width | Max. Length |
|--------|-------------|------------|-------------|
| S-DP10 | 570 mm | 230 mm | 295 mm |
| S-DP15 | 570 mm | 230 mm | 295 mm |

* Optional discharge connections: 2 1/2", 4" connections and 2 1/2", 3", 4" B.S.P. threaded connections.