

Sludge Pumps

DanPumps S-WS20 and S-WS30, 50 Hz

Product Applications

The DanPumps S-WS20 and S-WS30 is a high-efficient lightweight sludge pump built in aluminium, which ensure easy handling and installation.

The DanPumps S-WS20 and S-WS30 is suitable for pumping sludge and water mixed with solids, and 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

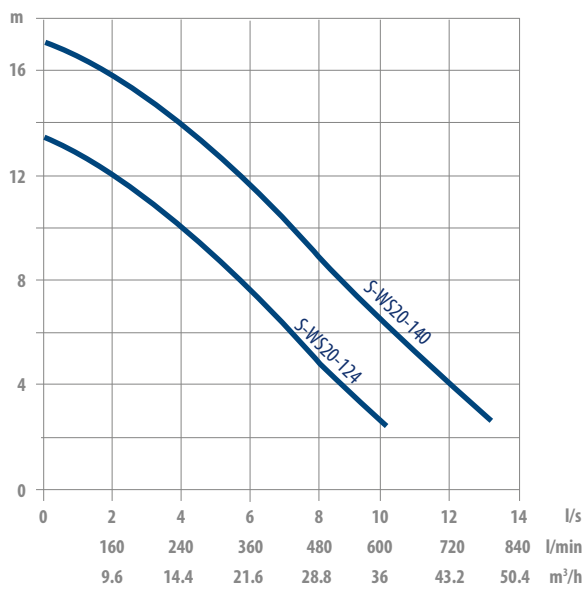
Motor housing	Aluminium		
Volute and Impeller	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80:60-40-18
Handle and Fasteners	Stainless steel	10088: X5CrNi18-10 (W.Nr. 1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (W.Nr. 1.4057)	AISI 420
O-rings	NBR		
Double Mechanical Seal	In oil bath		
Shaft 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		

Operation standards:

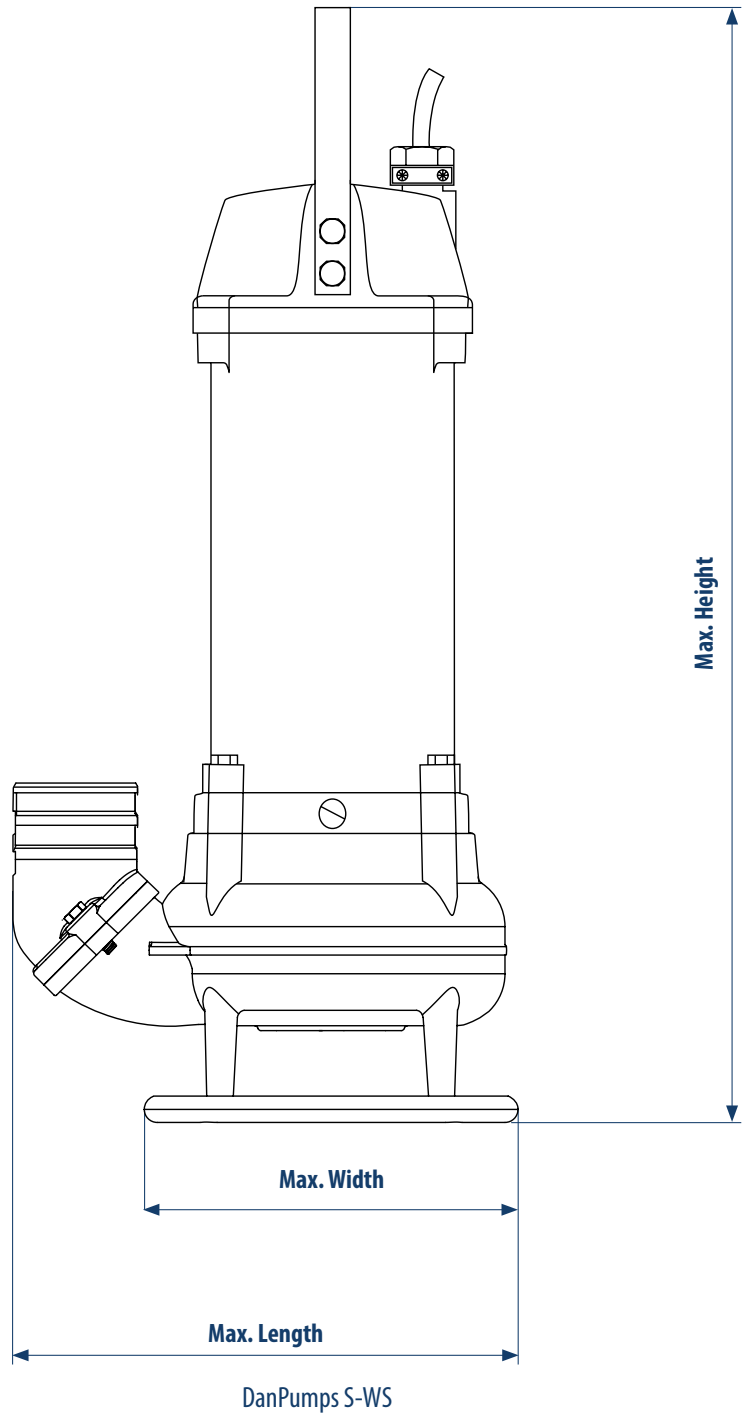
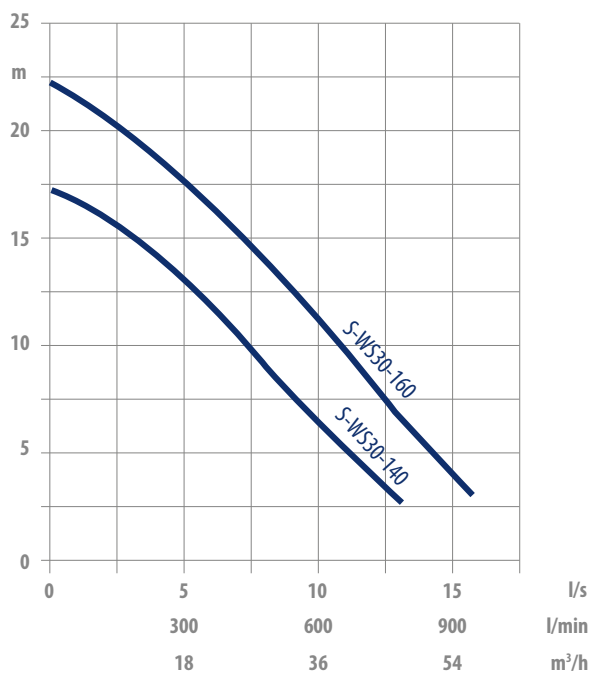
- Max. submergence: 20 meter
- Max. temperature of pumped media at maximum power input and continuous duty: 40 °C
- Max. medium density: 1100 kg/m³
- pH of the pumped medium: 5-8
- Motor protection: Build-in thermal switches in the stator windings (140°C, ±5) connected to build-in contactor
- Reliable and wear resistant



Performance Curves - DanPumps S-WS20 - 50Hz



Performance Curves - DanPumps S-WS30 - 50Hz



Type	kW P2	Rpm	Outlet flang	Voltage (V)	Current (A)	Weight (kg)
S-WS20-124	2.0	2870	3" Hose Connection*	3 x 230/400	7.3 / 4.2	29
S-WS20-140	2.0	2870	3" Hose Connection*	3 x 230/400	4.2 / 7.3	29
S-WS30-140	3.3	2870	3" Hose Connection*	3 x 230/400	12 / 6.9	31
S-WS30-160	3.3	2870	3" Hose Connection*	3 x 230/400	12 / 6.9	31

Type	Max. Height	Max. Width	Max. Length
S-WS20-124	700 mm	207 mm	320 mm
S-WS20-140	700 mm	207 mm	320 mm
S-WS30-140	700 mm	207 mm	320 mm
S-WS30-160	700 mm	207 mm	320 mm

* Optional discharge connections: 21/2", 4" connections and 21/2", 3", 4" B.S.P. threaded connections.
Option: Float switch.