

DanPumps S-DP and S-WS

Drainage and Sludge Pumps - 50 Hz



DanPumps Drainage Pumps

Applications

DanPumps S-DP is a high-efficient lightweight drainage pump built in aluminium, which is an ideal solution for tough dewatering and transfer duties runs continuously at any water level without overheating - the ideal choice for plug-in operations and is ready for use when delivered on site.

Design

Low weight and robust design securing optimal transportation, handling and installation.

Operating standards

- Max. submersion 20 m
- Max. liquid temperature 40° C
- Max. medium density: 1100 kg/m³
- Limitations pH 5-8
- Classification IP 68
- 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 the build-in contactor
- Built in float switch as an option



DanPumps Sludge Pumps

Applications

DanPumps S-WS is a high-efficient submersible sludge pump built in aluminum and cast iron, which is highly portable due to its slim design - suitable for pumping sludge and water mixed with solids. The robust design provides a sturdy pump for rough conditions - the ideal choice for plug-in operations and ready for use when delivered on site.

Design

Low weight and robust design securing optimal transportation, handling and installation.

Operating standards

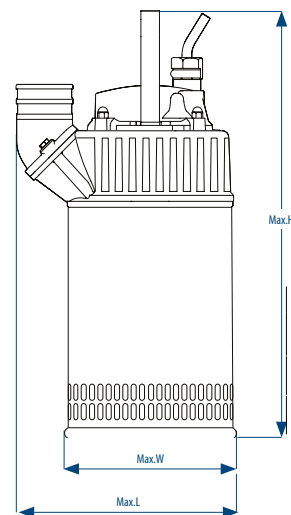
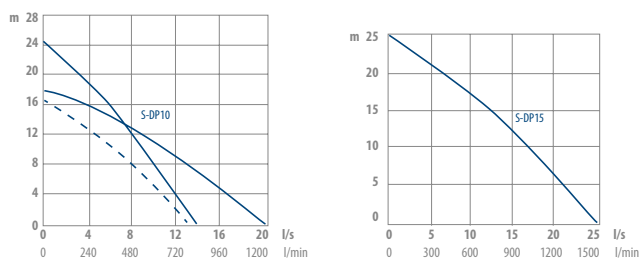
- Max. submersion 20 m
- Max. liquid temperature 40° C
- Max. medium density: 1100 kg/m³
- Limitations pH 5-8
- Classification IP 68
- Motor protection: Build-in thermal switches in the stator windings (140°C, ±5) connected to the build-in contactor
- Reliable and powerful
- Built in float switch as an option



Technical Specifications S-DP

Type	kW P2	o/m	Outlet flange	Dimensions in mm			Voltage (V)	Current (A)	Weight w/o cable (kg)
				Max. H	Max. W	Max. L			
S-DP10	2,3	2870	3" hose pipe*	570	230	295	230/400	8,4/4,8	30
S-DP15	3,9	2870	3" hose pipe*	570	230	295	230/400	14,1/8,1	32

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



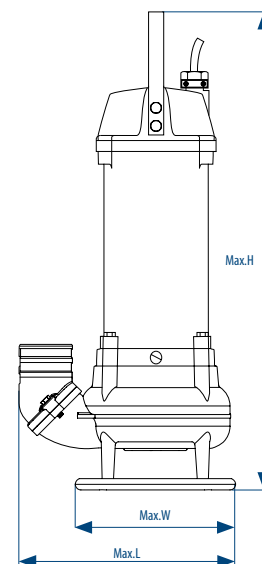
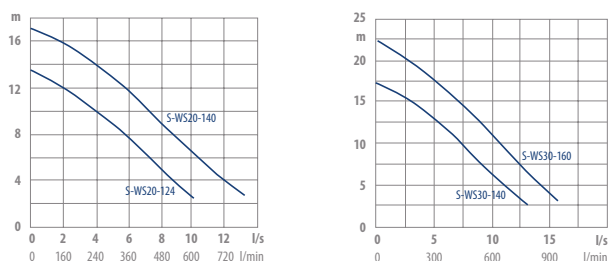
Materials

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 rubber		
Double Mechanical Seal	Double mechanical seal with oil	Primærtætning: SIC/Carbon Sekundærtætning: Carbon	
Bearings	Upper bearing: Single-row deep groove ball bearing Lower bearing: Double angular contact ball bearing		
Cable	20 m	H07RN-F	

Technical Specifications S-WS

Type	kW P2	o/m	Outlet flange	Dimensions in mm			Voltage (V)	Current (A)	Weight w/o cable (kg)
				Max. H	Max. W	Max. L			
S-WS20-124	2,0	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS20-140	2,0	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS30-140	3,3	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS30-160	3,3	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29

* Optional: 3", 4" hose connection including 2 1/2", 3", 4" B.S.P. threaded flanges.



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 rubber		
Double mechanical seal	In oil bath	Primary seal: SIC/Carbon Secondary seal: Carbon	
Bearings	Upper bearing: Single-row deep groove ball bearing Lower bearing: Double angular contact ball bearing		
Cable	20 m	H07RN-F	