

Wastewater Pumps

DanPumps S-WN3 - 50 Hz

Product Applications

The DanPumps S-WN3 pump is specifically designed for wastewater applications, providing high hydraulic efficiencies. It is suitable for untreated wastewater from sewage plants and industrial facilities.

Design

The characteristics of our wastewater pumps are high quality, long lifetime and user-friendly design. The DanPumps S-WN3 pump can be delivered as horizontal or vertical installation and with either a channel, a vortex or a B-tween impeller.



Materials

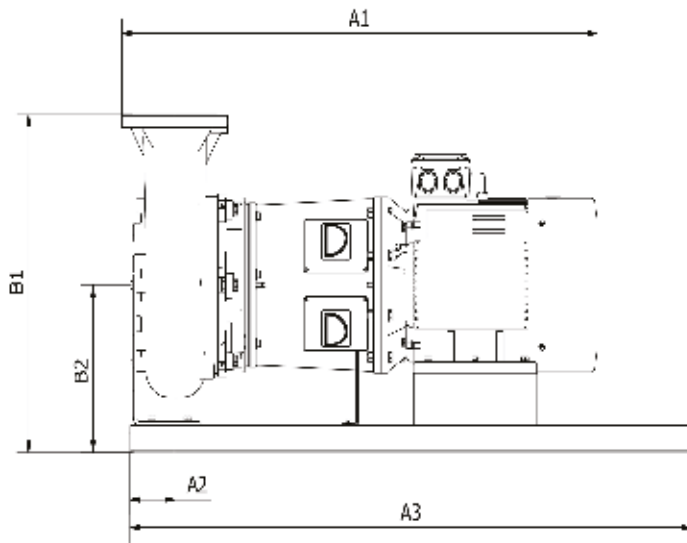
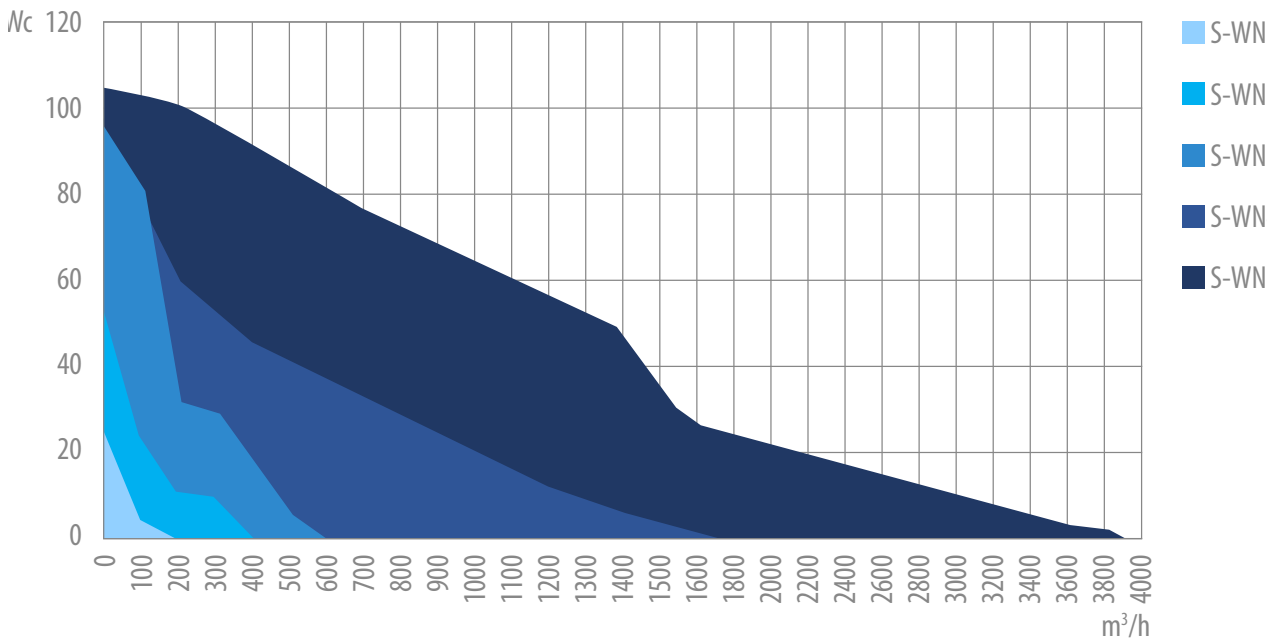
Pump Housing, base elbow, cartridge seal	Grey cast iron	GJL-250 (GG25)	A-48 Class35
Impeller (cast iron) adapter	Ductile cast iron	GJS-400-15 (GGG-40)	A536 GR 65-45
Option: Stainless steel impeller	Stainless cast steel	W.Nr.1.4401	AISI 316
Option: Stainless steel volute (DN150)	Stainless cast steel	W.Nr.1.4401	AISI 316
Shaft	Stainless steel	W.Nr.1.4057	AISI 431
Seal sleeve, screws	Stainless steel	W.Nr.1.4301	AISI 304
O-rings	Nitrile		NBR
Oil	Mobil DTE 24	Premium Hydraulic	
Mechanical seal	Media side: SIC/SIC		Cooling side: SIC/Carbon
Motor	Standard		IP55 IE3

Operation standards:

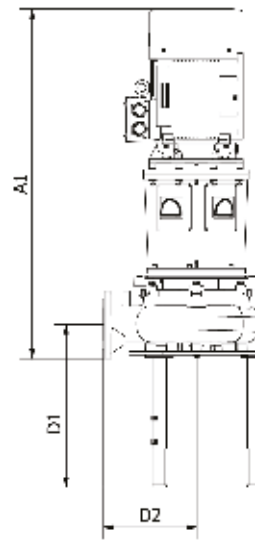
- Connections up to DN150.
- Flow rate up to 450 m³/h.
- Overheating and moisture protection.
- Channel, vortex and B-tween impellers within the same volute.
- Equipped with double mechanical cartridge seal.
- Standard motor IP55 IE3 2 - 4 - 6 pole.
- Long lifetime due to accurate balancing.
- Customized solutions through a modular system.
- Easy maintenance.
- Adjustable wear ring.



Performance Curves - Complete DanPumps S-WN1 to DanPumps S-WN5 Range - 50 Hz



DanPumps S-WN3 - Horizontal Installation



DanPumps S-WN3 - Vertical Installation

Type	A1	A2	A3	B1	B2	D1	D2
S-WN3-80-2L-M160	1087.5 mm	75 mm	85 mm	664.5 mm	345 mm	413-548 mm	299.5 mm
S-WN3-80-2L-M180	1160 mm	75 mm	85 mm	664.5 mm	345 mm	413-548 mm	299.5 mm
S-WN3-80-2L-M200	1274 mm	75 mm	85 mm	664.5 mm	345 mm	413-548 mm	299.5 mm
S-WN3-100-2L-M160	1083 mm	88 mm	96 mm	643.5 mm	345 mm	424-559 mm	299 mm
S-WN3-100-2L-M180	1155 mm	88 mm	96 mm	643.5 mm	345 mm	424-559 mm	299 mm
S-WN3-100-2L-M200	1269 mm	88 mm	96 mm	643.5 mm	345 mm	424-559 mm	299 mm
S-WN3-150-2L-M160	1116 mm	107 mm	115 mm	680 mm	345 mm	443-578 mm	335 mm
S-WN3-150-2L-M180	1188.5 mm	107 mm	115 mm	680 mm	345 mm	443-578 mm	335 mm
S-WN3-150-2L-M200	1302.5 mm	107 mm	115 mm	680 mm	345 mm	443-578 mm	335 mm