

Wastewater Pumps

DanPumps S-WN1 - 50 Hz

Product Applications

The DanPumps S-WN1 pump is designed for wastewater applications and offers high hydraulic efficiencies from 2.2-4 kW. It is suitable for unscreened wastewater sewage plants and industries.

Design

Our wastewater pumps are characterized by high quality, long lifetime and a user-friendly design. The DanPumps S-WN1 pump can be delivered as a horizontal or vertical installation with either a channel, a vortex or a B-tween impeller.



Materials

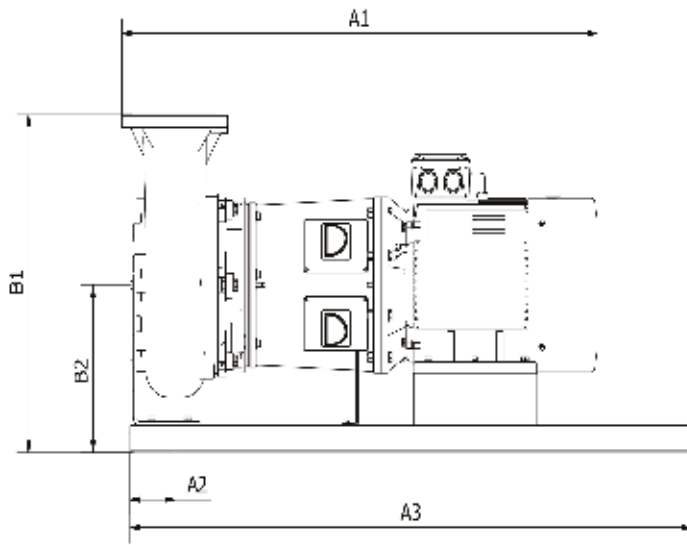
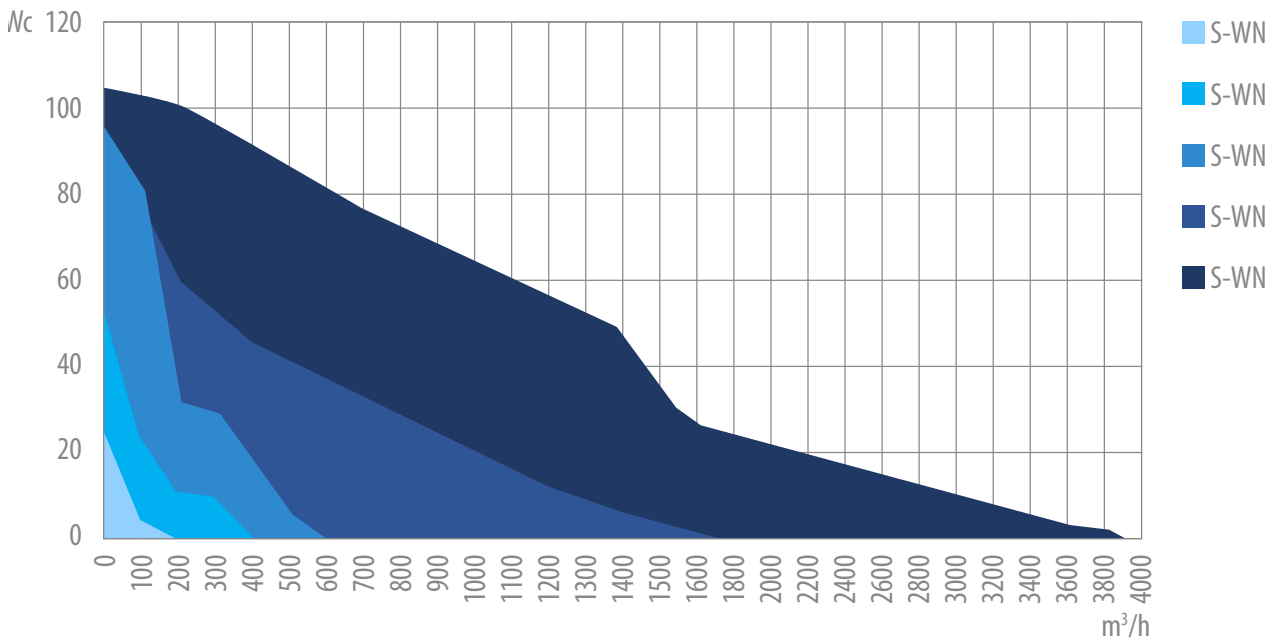
Pump Housing, base elbow, cartridge seal	Grey cast iron	GJL-250 (GG25)	A-48 Class35
Impeller (cast iron) adapter	Ductile cast iron	GJS-400-15 (GGG-40)	A536 GR 65-45
Option: Stainless steel impeller	Stainless cast steel	W.Nr.1.4401	AISI 316
Shaft	Stainless steel	W.Nr.1.4057	AISI 431
Seal sleeve, screws	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:

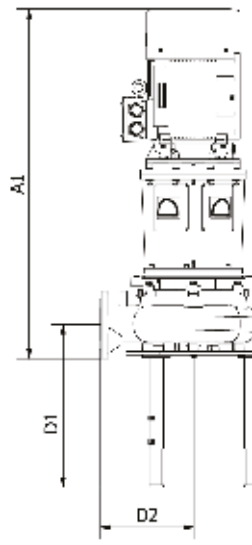
- Connections up to DN80.
- Flow rate up to 150 m³/h.
- Channel, vortex, and B-tween impellers within the same volute.
- Equipped with double mechanical cartridge seal.
- Standard motor IP55 IE2/IE3 2 - 4 - 6 pole.
- Long lifetime due to accurate balancing.
- Customized solutions through a modular system.
- Easy maintenance.
- Adjustable wear ring.



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



DanPumps S-WN1 - Horizontal Installation



DanPumps S-WN1 - Vertical Installation

Type	A1	A2	A3	B1	B2	D1	D2
S-WN1-2L-M100	825 mm	83.5 mm	89.5 mm	510 mm	250 mm	267-380 mm	180 mm
S-WN1-2L-M112	867 mm	57.5 mm	38 mm	430 mm	250 mm	404-524 mm	260 mm