Wastewater Pumps

DanPumps S-WN3 - 50 Hz

Product Applications

The DanPumps S-WN3 pump is especially designed for wastewater applications and offers high hydraulic efficiencies. It is suitable for unscreened waste water from sewage plants and industries.

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.

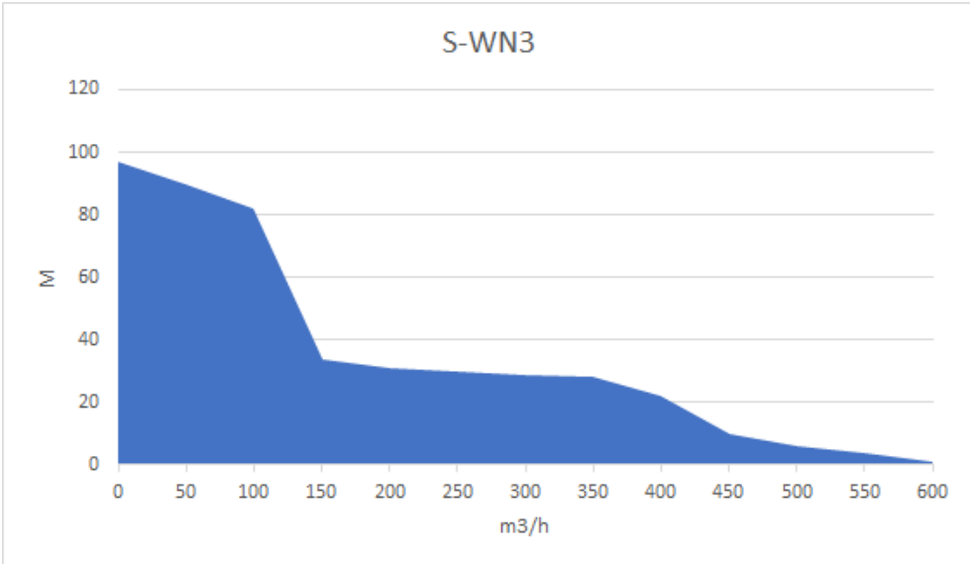
Materials

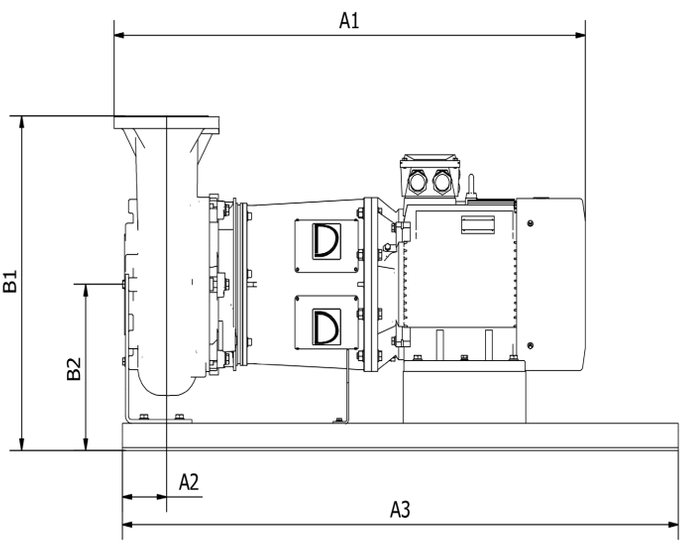
Pump Housing, base elbow, cartridge seal	Grey cast iron	GJL-250(GG25)	A-48 Class35
Impeller (cast iron) adapter	Ductile cast iron	GJS-400-15 (GGG-40)	A536 GR 65-45
Option: Stainless steel impeller	Stainless cast steel	W.Nr.1.4401	AISI 316
Option: Stainless steel volute (DN150)	Stainless cast steel	W.Nr.1.4401	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

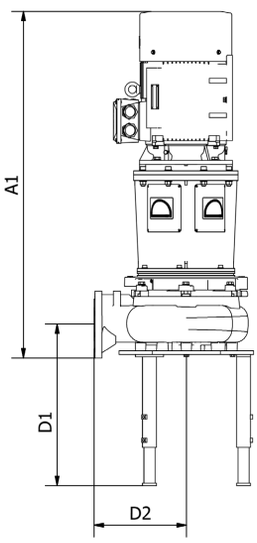
- Connections up to DN150
- Flow Rate up to 450 m3/h
- Overheating and moisture protection
- Channel, vortex and B-tween impellers in the same volute
- Double mechanical cartridge seal
- Standard motor IP55 IE3 2 - 4 - 6 pole
- Long lifetime due to accurate balancing
- Customized solutions and a modular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

Performance Curve - WN3 Range - **50 Hz**





DanPumps S-WN3 - Horizontal Installation



DanPumps S-WN3 - Vertical Installation

Dimensions are in mm	A1	A2	A3	B1	B2	D1	D2
S-WN3-80-2L-M160	1087,5	75	85	644,5	345	413-548	299,5
S-WN3-80-2L-M180	1160	75	85	644,5	345	413-548	299,5
S-WN3-80-2L-M200	1274	75	85	644,5	345	413-548	299,5
S-WN3-100-2L-M160	1083	88	96	643,5	345	424-559	299
S-WN3-100-2L-M180	1155	88	96	643,5	345	424-559	299
S-WN3-100-2L-M200	1269	88	96	643,5	345	424-559	299
S-WN3-150-2L-M160	1116	107	115	680	345	443-578	335
S-WN3-150-2L-M180	1188,5	107	115	680	345	443-578	335
S-WN3-150-2L-M200	1302,5	107	115	680	345	443-578	335

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