

DanPumps model S-WN4 - 50 Hz

Product Applications

The DanPumps S-WN4 pump is especially designed for wastewater applications and offers high hydraulic efficiencies from 18-65 kW. It is suitable for unscreened wastewater from sewage plants and industries.

Design

The characteristics of our wastewater pumps are high quality, long lifetime and user friendly design. The DanPumps S-WN4 pump can be delivered as horizontal or vertical installation and with either a channel, vortex or a B-tween impeller.

Materials

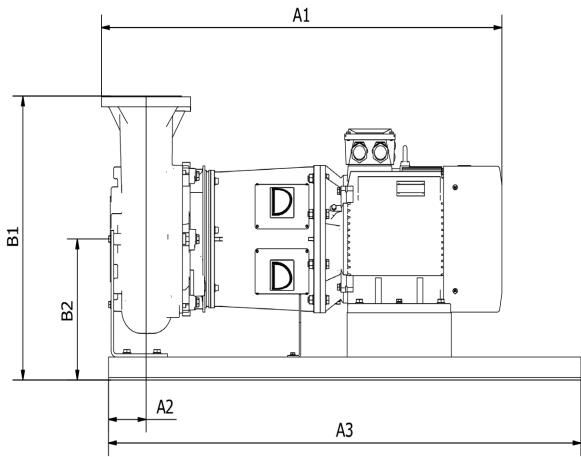
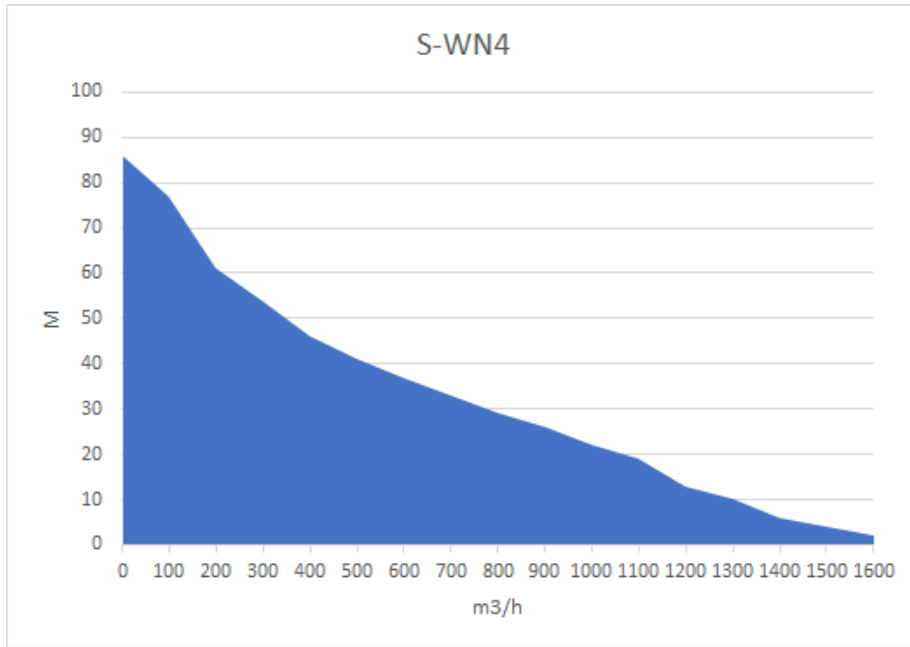
Pump Housing, base elbow, cartridge seal	Grey cast iron	GJL-250(GG25)	A-48 Class35
Impeller (cast iron) adapter	Ductile cast iron	GJS-400-15 (GGG-40)	A536 GR 65-45
Option: Stainless steel impeller	Stainless cast steel	W.Nr.1.4401	AISI 316
Shaft	Stainless steel	W.Nr.1.4057	AISI 431
Seal sleeve, screws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

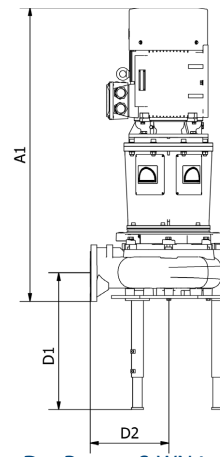
- Connections up to DN300
- Flow Rate up to 1200 m³/h
- Overheating and moisture protection
- Channel, vortex and B-tween impellers in the same volute
- Double mechanical cartridge seal
- Standard motor IP55 IE3 2 - 4 - 6 pole
- Long lifetime due to accurate balancing
- Customized solutions and a modular system
- Easy maintenance
- Adjustable wear ring



Performance Curve - WN4 Range - 50 Hz



DanPumps S-WN4 - Horizontal Installation



DanPumps S-WN4 - Vertical Installation

Dimensions are in mm	A1	A2	A3	B1	B2	D1	D2
S-WN4-100-2L-M180	1345	128,5	110,5	820	420	455-555	400
S-WN4-100-2L-M200	1450	128,5	110,5	820	420	455-555	400
S-WN4-100-2L-M225	1437	128,5	110,5	820	420	455-555	400
S-WN4-100-2L-M250	1567	128,5	110,5	820	420	455-555	400
S-WN4-100-2L-M280	1662	128,5	110,5	820	420	455-555	400
S-WN4-150-2L-M180	1348	124	136	817	420	551-731	397,5
S-WN4-150-2L-M200	1494	124	136	817	420	551-731	397,5
S-WN4-150-2L-M225	1481	124	136	817	420	551-731	397,5
S-WN4-150-2L-M250	1610	124	136	817	420	551-731	397,5
S-WN4-150-2L-M280	1706	124	136	817	420	551-731	397,5
S-WN4-200-2L-M180	1426	136	143	856,5	420	559-738	436,5
S-WN4-200-2L-M200	1539	136	143	856,5	420	559-738	436,5
S-WN4-200-2L-M225	1526	136	143	856,5	420	559-738	436,5
S-WN4-200-2L-M250	1655	136	143	856,5	420	559-738	436,5
S-WN4-200-2L-M280	1751	136	143	856,5	420	559-738	436,5
S-WN4-250-2L-M180	1454,5	146	155	910,5	420	770-950	480,5
S-WN4-250-2L-M200	1567,5	146	155	910,5	420	770-950	480,5
S-WN4-250-2L-M225	1555,5	146	155	910,5	420	770-950	480,5
S-WN4-250-2L-M250	1684	146	155	910,5	420	770-950	480,5
S-WN4-250-2L-M280	1747	146	155	910,5	420	770-950	480,5
S-WN4-300-2L-M180	1511	173	189	1127,5	420	804-984	587,5
S-WN4-300-2L-M200	1624	173	189	1127,5	420	804-984	587,5
S-WN4-300-2L-M225	1611	173	189	1127,5	420	804-984	587,5
S-WN4-300-2L-M250	1740	173	189	1127,5	420	804-984	587,5
S-WN4-300-2L-M280	1836	173	189	1127,5	420	804-984	587,5