

Date: 11/13/2018

Position | Count | Description

1 SL1.80.100.22.A.4.50D.C



Product photo could vary from the actual product

Product No.: 98626193

Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.

The pump is designed for intermittent and continous operations in submerged installation. The revolutionary S-tube® impeller provides free spherical passage of solids up to 3 1/8 in and is suitable for wastewater with a dry matter content of up to 3 %.

A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a DIN flange.

Controls:

Moisture sensor: with moisture sensors Water-in-oil sensor: with water-in-oil sensor

Liquid:

Pumped liquid: any viscous fluid

Maximum liquid temperature: 104 °F
Density: 62.29 lb/ft³

Technical:

Type of impeller: S-TUBE
Maximum particle size: 3 1/8 in
Primary shaft seal: SIC/SIC

Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: CE, EN12050-1
Curve tolerance: ISO9906:2012 3B2

Materials:

Pump housing: Cast iron (EN-GJL-250)

EN-GJL-250

Impeller: Cast iron (EN-GJL-250)

EN-GJL-250

Motor: EN-GJL-250

Installation:

Maximum ambient temperature: 104 °F Flange standard: DIN Pump inlet: 100 Pump outlet: 100 Pressure stage: PN 10 Maximum installation depth: 65.62 ft Frame range: B



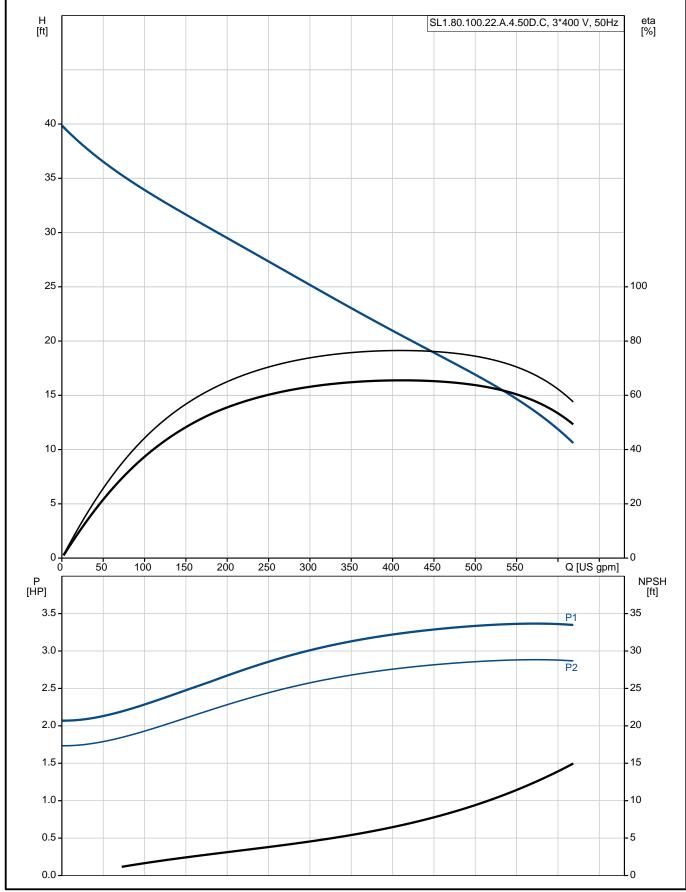
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Position Count Description
Power input - P1: Rated power - P2: Main frequency: So Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +10/-10 % Max starts per. hour: 20 Rated current: 5.6-5.7 A Cos phi - power factor: 0.73 Cos phi - p.f. at 3/4 load: 0.65 Cos phi - p.f. at 1/2 load: Motor efficiency at full load: Motor efficiency at 3/4 load: 85.7 % Motor efficiency at 1/2 load: Number of poles: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 35): Explosion proof: Length of cable: Cable type: Voltage tolerance: 3 HP NHW HOV
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Rated power - P2: 3 HP Main frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +10/-10 % Max starts per. hour: 20 Rated current: 5.6-5.7 A Cos phi - p.f. at 3/4 load: 0.65 Cos phi - p.f. at 1/2 load: 0.52 Rated speed: 1462 rpm Motor efficiency at full load: 85.7 % Motor efficiency at 3/4 load: 85.4 % Motor efficiency at 1/2 load: 82.9 % Number of poles: 4 Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): H Explosion proof: no Length of cable: 33 ft Cable type: LYNIFLEX Others: Net weight: 243 lb Country of origin: HU
Main frequency: Rated voltage: Voltage tolerance: H10/-10 % Max starts per. hour: Rated current: Cos phi - power factor: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Motor efficiency at full load: Motor efficiency at 1/2 load: Number of poles: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Length of cable: Cable type: Method H2 Start. Net weight: Cable type: Max starts per. hour: A x 380-415 V Voltage 3 x 380-415 V Voltage A x 380-416 V Volta
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Cos phi - p.f. at 1/2 load: Rated speed: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2
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Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): H Explosion proof: no Length of cable: 33 ft Cable type: LYNIFLEX Others: Net weight: 243 lb Country of origin: HU
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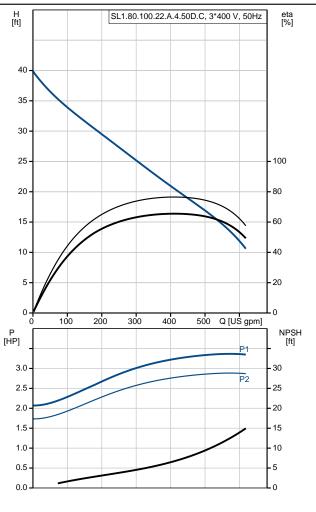
98626193 SL1.80.100.22.A.4.50D.C 50 Hz





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Description	Value
General information:	
Product name:	SL1.80.100.22.A.4.50D.C
Product No.:	98626193
EAN:	5711498467828
Technical:	
Max flow:	616 US gpm
Head max:	40.03 ft
Type of impeller:	S-TUBE
Maximum particle size:	3 1/8 in
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	CE, EN12050-1
Curve tolerance:	ISO9906:2012 3B2
Cooling jacket:	without cooling jacket
Materials:	
Pump housing:	Cast iron (EN-GJL-250)
<u> </u>	EN-GJL-250
Impeller:	Cast iron (EN-GJL-250)
- F	EN-GJL-250
Motor:	EN-GJL-250
Installation:	
Maximum ambient temperature:	104 °F
Flange standard:	DIN
Pump inlet:	100
Pump outlet:	100
	PN 10
Pressure stage:	65.62 ft
Maximum installation depth: Inst dry/wet:	SUBMERGED
Installation:	
	Vertical
Frame range:	В
Liquid:	and discount florid
Pumped liquid:	any viscous fluid 104 °F
Maximum liquid temperature:	
Density:	62.29 lb/ft ³
Electrical data:	0.7114
Power input - P1:	2.7 kW
Rated power - P2:	3 HP
Main frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+10/-10 %
Max starts per. hour:	20
Rated current:	5.6-5.7 A
Cos phi - power factor:	0.73
Cos phi - p.f. at 3/4 load:	0.65
Cos phi - p.f. at 1/2 load:	0.52
Rated speed:	1462 rpm
Motor efficiency at full load:	85.7 %
Motor efficiency at 3/4 load:	85.4 %
Motor efficiency at 1/2 load:	82.9 %
Number of poles:	4
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	Н
Explosion proof:	no
Motor protection:	Pt1000
Length of cable:	33 ft
Cable type:	LYNIFLEX
Controls:	





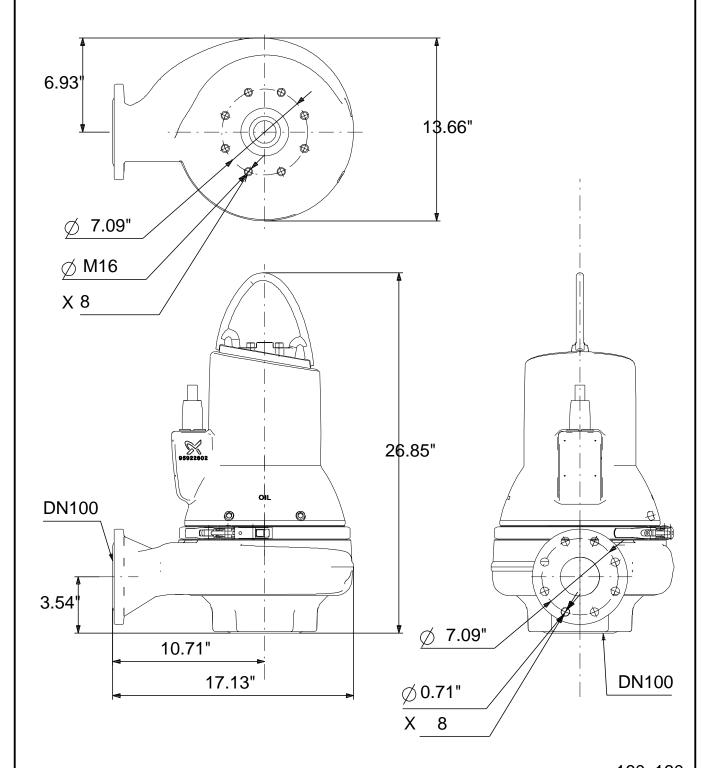
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Description	Value
Control box:	not included
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	with water-in-oil sensor
Others:	
Net weight:	243 lb
Country of origin:	HU
Custom tariff no.:	84137021



Date: 11/13/2018

98626193 SL1.80.100.22.A.4.50D.C 50 Hz



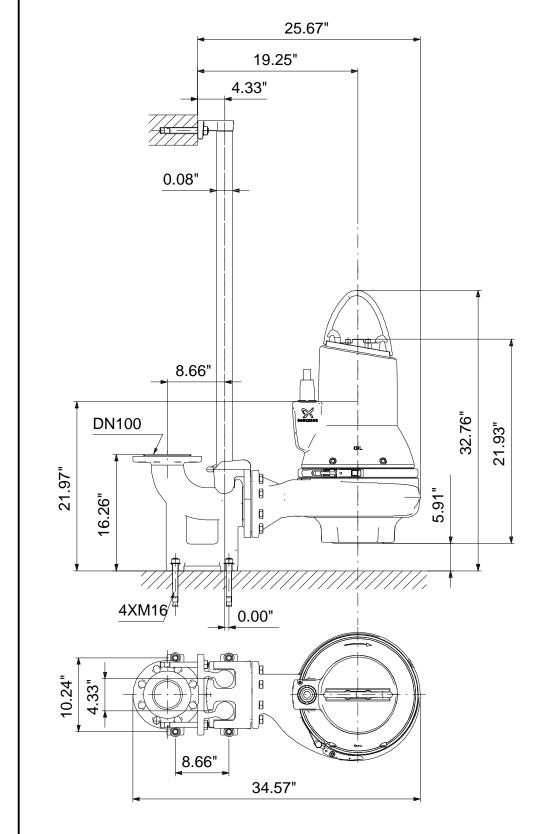
160x160

Note! All units are in [mm] unless otherwise stated. Disclaimer: This simplified dimensional drawing does not show all details.



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98626193 SL1.80.100.22.A.4.50D.C 50 Hz

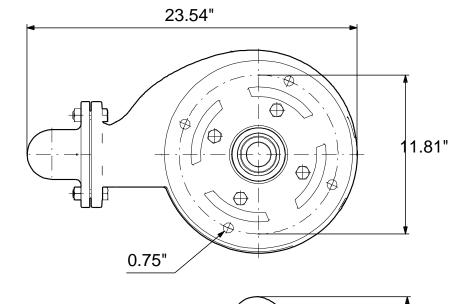


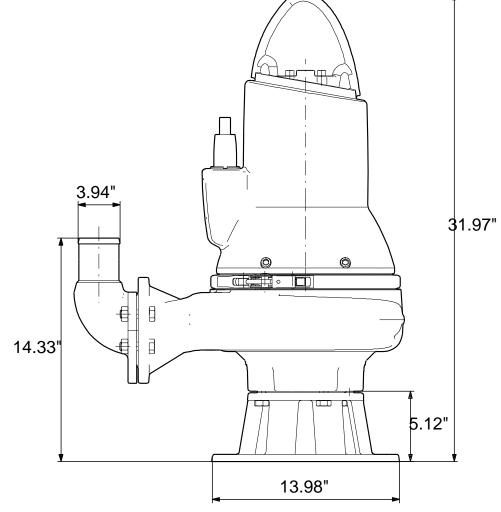
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98626193 SL1.80.100.22.A.4.50D.C 50 Hz



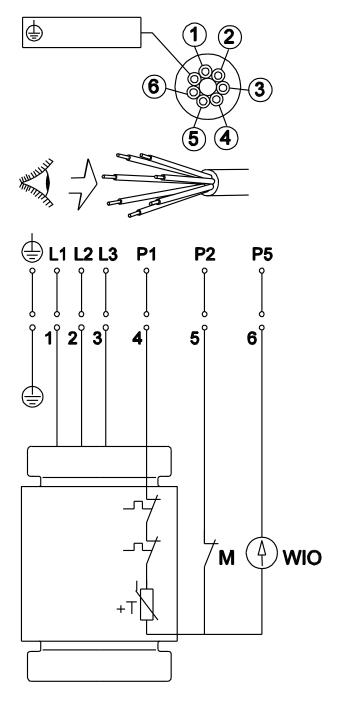


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98626193 SL1.80.100.22.A.4.50D.C 50 Hz



All units are [mm] unless otherwise presented.