

SP5A-12NE 1.1kW 3x380-415V 50Hz

Grundfos pump 5221912



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<https://www.lenntech.com/grundfos/SPNE05/5221912/SP-5A-12NE.html>

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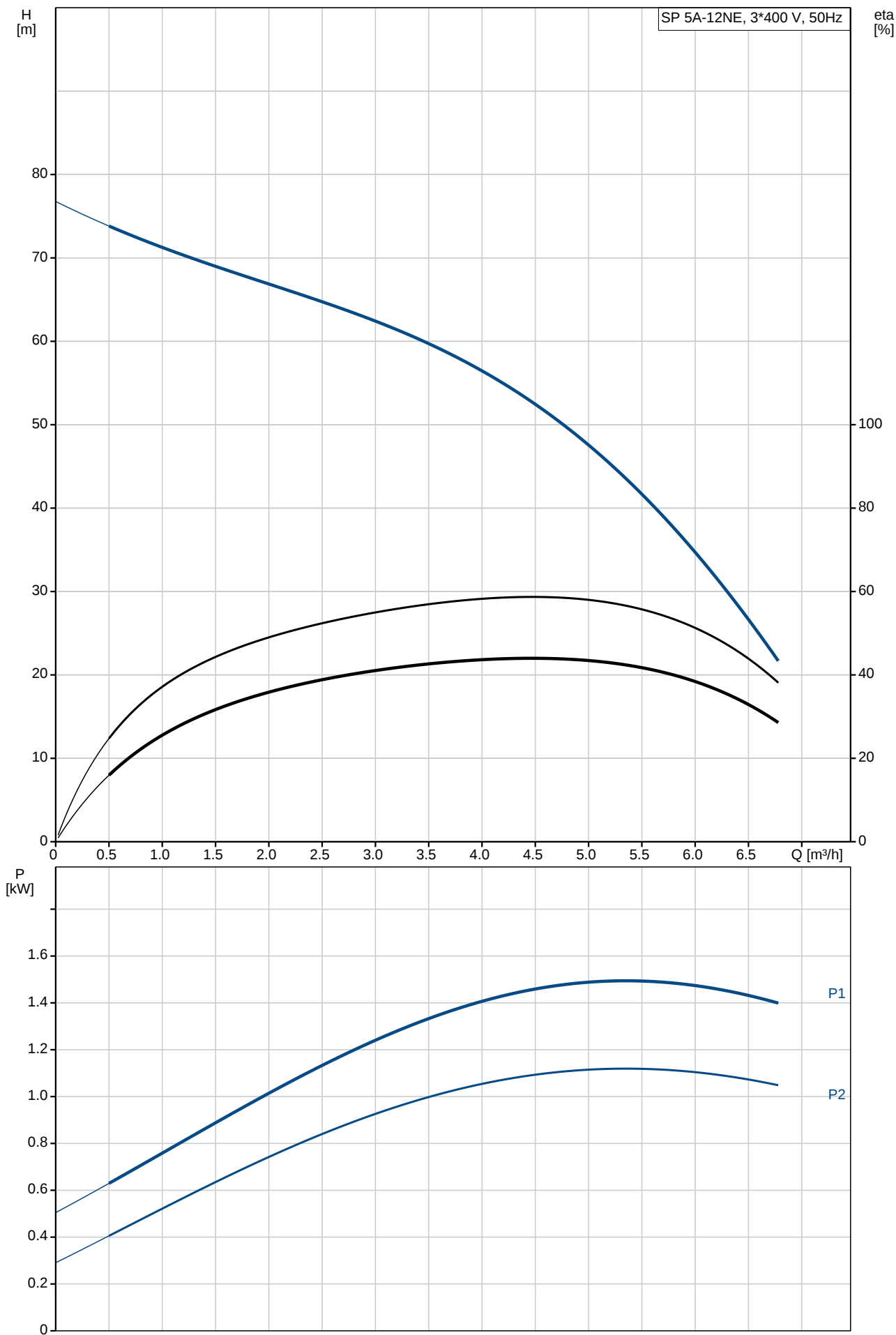
tel. +31 152 610 900

fax. +31 152 616 289

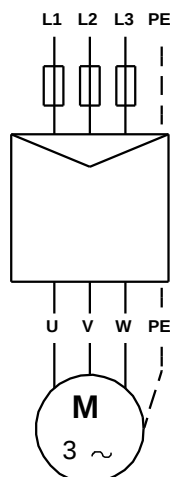
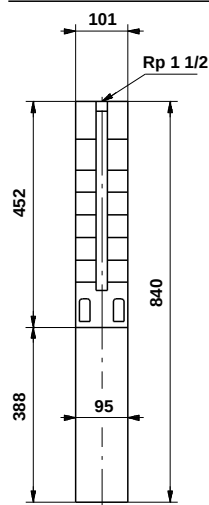
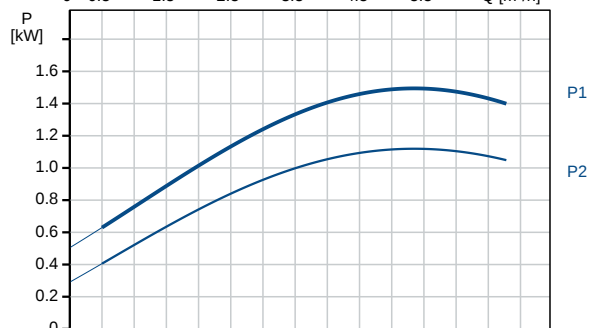
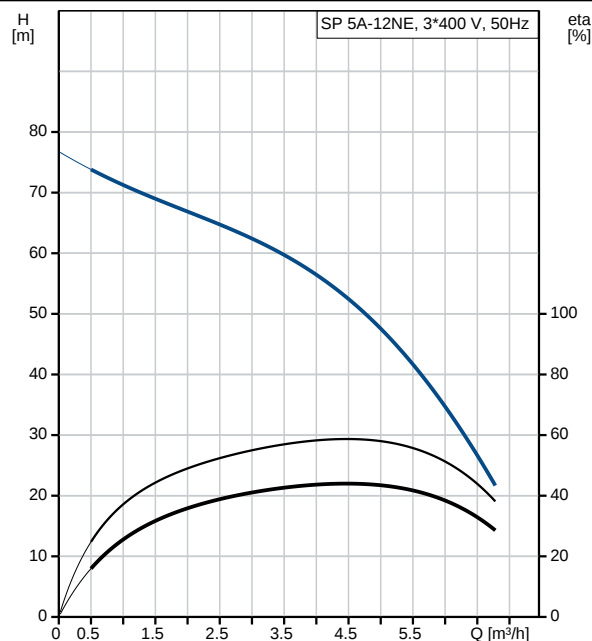
Position	Qty.	Description
	1	SP 5A-12NE  Note! Product picture may differ from actual product Product No.: On request Multi-stage submersible pump designed for pumping of chemically polluted groundwater. The pump is made entirely of Stainless steel DIN W.-Nr. DIN W.-Nr. 1.4401. The motor is a 3-phase motor with sand shield, mechanical shaft seal, liquid-lubricated bearings and pressure equalizing diaphragm. Pumpset delivered without motor cable. Motor cable to be ordered separately – EPR, Teflon or XLPE. Liquid: Pumped liquid: Water Max liquid t at 0.15 m/sec: 40 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Rated flow: 5 m³/h Rated head: 49 m Shaft seal for motor: SIC/SIC Curve tolerance: ISO9906:2012 3B Materials: Pump: Stainless steel DIN W.-Nr. 1.4401 AISI 316 Impeller: Stainless steel DIN W.-Nr. 1.4401 AISI 316 Motor: Stainless steel DIN W.-Nr. 1.4539 AISI 904 L Installation: Pump outlet: Rp 1 1/2 Motor diameter: 4 inch Electrical data: Motor type: MS4000 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-400-415 V Rated current: 2.80-2.75-2.75 A Cos phi - power factor: 0.85-0.82-0.78 Rated speed: 2850-2870-2880 rpm Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Built-in temp. transmitter: yes Others:

Position	Qty.	Description
		Minimum efficiency index, MEI ≥: 0.50 Net weight: 19.2 kg Danish VVS No.: 388316120

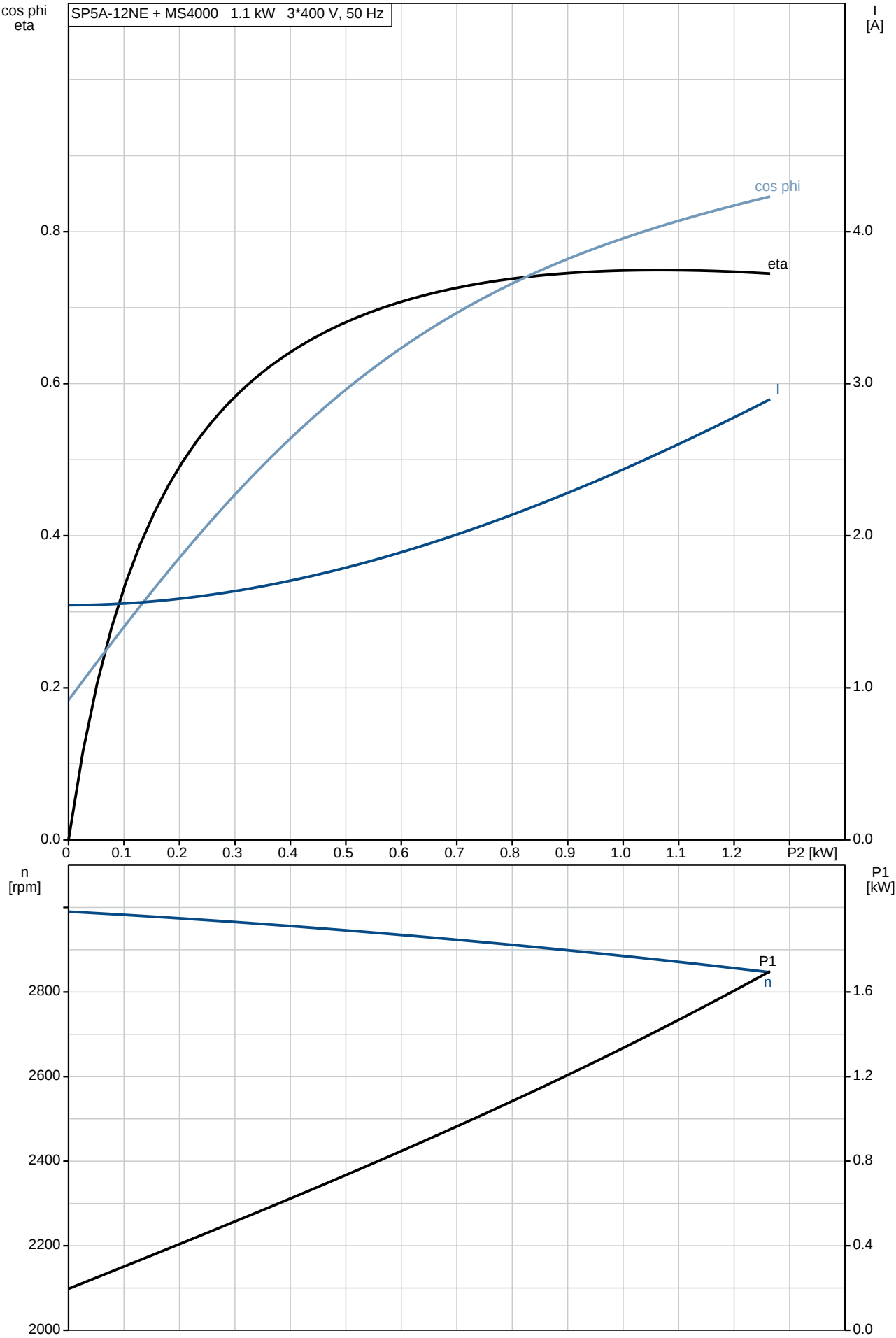
On request SP 5A-12NE 50 Hz



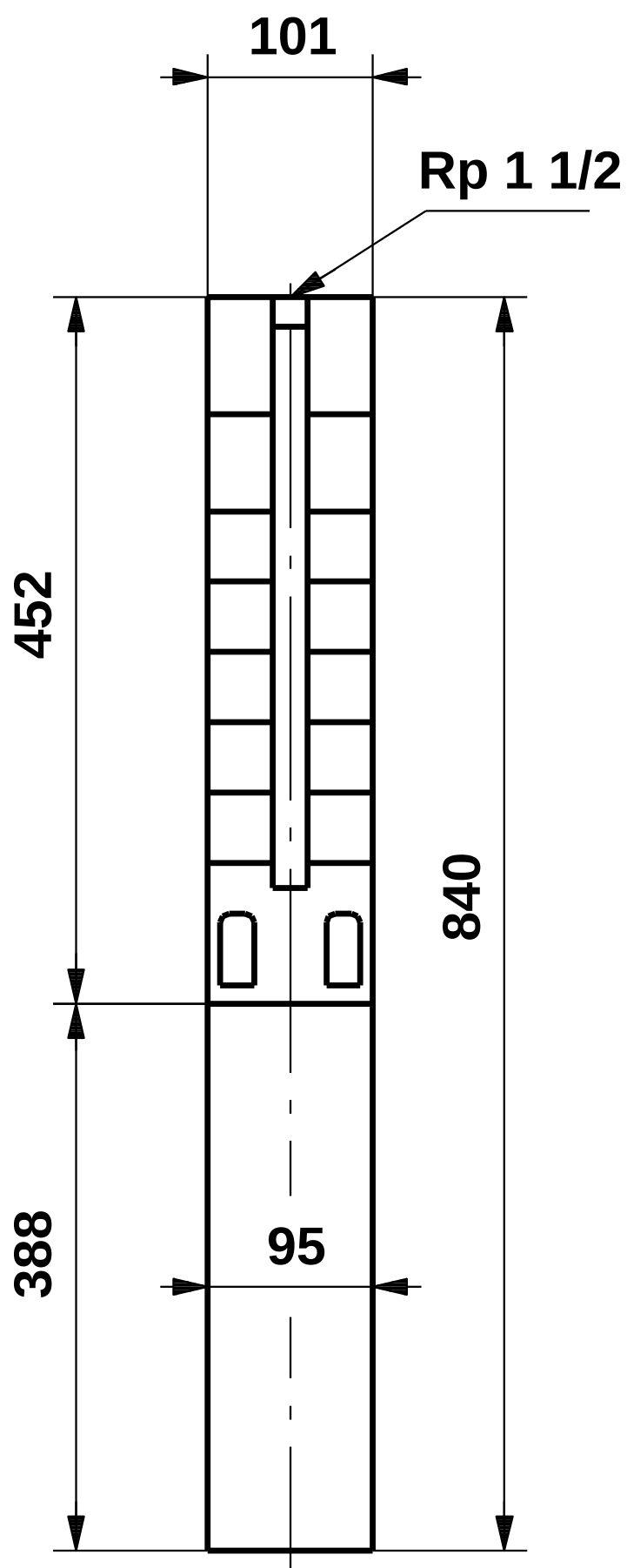
Description	Value
General information:	
Product name:	SP 5A-12NE
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	5 m ³ /h
Rated head:	49 m
Stages:	12
Shaft seal for motor:	SIC/SIC
Curve tolerance:	ISO9906:2012 3B
Pump No:	05220012
Model:	A
Valve:	no non-return valve
Materials:	
Pump:	Stainless steel
	DIN W.-Nr. 1.4401
	AISI 316
Impeller:	Stainless steel
	DIN W.-Nr. 1.4401
	AISI 316
Motor:	Stainless steel
	DIN W.-Nr. 1.4539
	AISI 904 L
Installation:	
Pump outlet:	Rp 1 1/2
Motor diameter:	4 inch
Liquid:	
Pumped liquid:	Water
Max liquid t at 0.15 m/sec:	40 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	MS4000
Rated power - P2:	1.1 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400-415 V
Rated current:	2.80-2.75-2.75 A
Cos phi - power factor:	0.85-0.82-0.78
Rated speed:	2850-2870-2880 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protec:	NONE
Thermal protec:	external
Built-in temp. transmitter:	yes
Motor No:	79195405
Others:	
Minimum efficiency index, MEI ≥:	0.50
Net weight:	19.2 kg
Danish VVS No.:	388316120



On request SP 5A-12NE 50 Hz



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

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)

This is a technical sectional drawing of a mechanical assembly, likely a valve or actuator. The drawing is oriented vertically with a horizontal centerline. The assembly consists of several components: a central vertical shaft (1) passing through a housing. A horizontal flange or plate (2) is mounted on the shaft. A curved, lever-like component (3) is attached to the flange. A small, rectangular component (4) is mounted on the side of the housing. A larger, cylindrical component (5) is mounted on top of the housing. The drawing uses hatching to indicate different materials and cross-sections. The callouts are as follows: 1 points to the central shaft, 2 points to the horizontal flange, 3 points to the curved lever, 4 points to the side-mounted rectangular component, and 5 points to the top-mounted cylindrical component.

1

2

3

4

5

TM058200

Printed from Grundfos Product Centre [2018.06.003]

Exploded view (TM057026 for MGE model H/I)



Parts list SP 5A-12NE, Product No. On request
Valid from 18.4.1995 (9516)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	Pump w/o motor				1	pcs
	Stop ring				2	
	Retainer				1	
- 1	Valve casing cpl.				1	
	Valve casing				1	
6	Bearing				1	
- 9	Chamber cpl.				12	
	Chamber				1	
7	Seal ring				1	
- 10	Chamber cpl.				1	
7	Seal ring				1	
- 13a	Impeller cpl.				12	
	Impeller				1	
- 11	Split cone nut				1	
	Split cone nut					
11a	O-ring					
12	Split cone				1	
14	Suction interconnector				1	
15	Strainer				1	
16	Shaft cpl.		Length (mm): 360		1	
17	Strap cpl.		Length (mm): 380		4	
			Thread: M8			
18	Cable guard cpl.				1	
18d	Hex nut				2	
19	Nut				4	
78	Nameplate				1	
-	Motor				1	pcs
1	Stator w/housing				1	
2	Shaft w/rotor				1	
3	Thrust ring support cpl.				1	
4	Radial bearing				1	
5	Bearing pipe				1	
6	Thrust bearing				1	
7	Lock ring				1	
10	Bearing retainer				1	
11	Adjusting screw				1	
12	Diaphragm				1	
13	End shield				1	
15	Nut				1	
16	Lock washer				1	
18	Nut		Thread: M8 DIN 934		1	
21	Nut		Thread: M8 DIN 934		4	
22	Staybolt		Thread: M8 X M8		3	
22a	Staybolt		Thread: M8 X M8 R		1	
22b	Cheese head screw				1	
22c	O-ring		Diameter: 4		1	
			Material type: FKM			
			Thickness: 1			
24	O-ring		Diameter: 40		1	
			Material type: FKM			
			Thickness: 2			
25	Shaft seal housing				1	
27	Spline protector				1	
28	Supporting ring				1	
29	Sand shield				1	
30	Compression spring				1	
31	Supporting ring				1	
32	Shaft seal cpl.				1	
- 34	Shaft seal cpl.				1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
	Seal ring				1	
	Seal ring, rotating				1	
33	O-ring		Diameter: 16		1	
			Material type: VITON			
			Thickness: 2.5			

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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info@lenntech.com

<https://www.lenntech.com>

tel. +31 152 610 900

fax. +31 152 616 289