Company name:
Created by:
Phone:

Date: 05/11/2020

Qty.	Description
1	**SP 3A-6**

Note! Product picture may differ from actual product

Product No.: 10001K06

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

The pump is fitted with a 0.37 kW MS402 motor with sand shield, lip seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency. Suitable for temperatures up to 40 °C.

The motor is not fitted with a temperature sensor. If temperature monitoring is desired, a Pt1000 sensor can be fitted.

The motor is for direct-on-line starting (DOL).

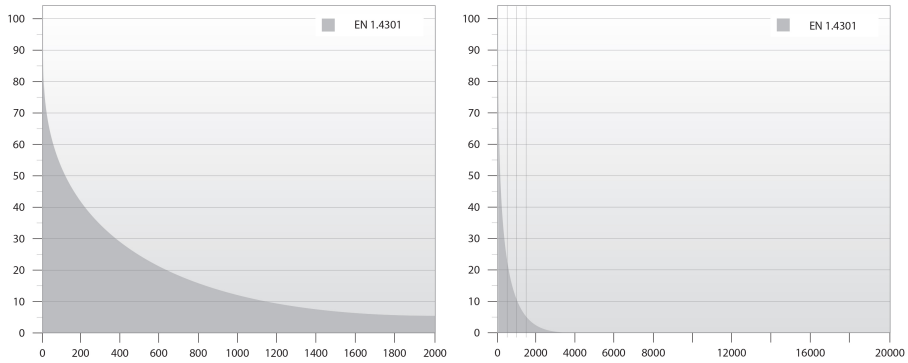
Further product details

The pump is suitable for applications similar to the following:

- raw-water supply
- irrigation
- groundwater lowering
- pressure boosting
- fountain applications.

Pump

All pump surfaces that are in contact with pumped liquids are made in stainless steel which makes them corrosion- and wear-resistant. The corrosion diagram below shows the capabilities of the pump and motor in relation to the temperature in Celsius (y-axis) and the concentration of chloride in ppm (x-axis).



The elastomer parts in the pump are made of NBR (Nitrile-Butadiene Rubber) and TPU (Thermoplastic Poly-Urethane) which offers good wear resistance and long service intervals.

The suction interconnector is fitted with a strainer to prevent large particles from entering the pump. The suction interconnector is designed to comply with NEMA standards for motor mounting/dimensions.

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Qty.	Description

Motor

The stator is hermetically encapsulated in stainless steel and the windings are embedded in polymer compound. This results in high mechanical stability, optimum cooling and reduces the risk of short circuits in the windings.

The shaft seal is of the lip seal type characterised by low friction against the rotor shaft. The NBR elastomer offers good wear resistance, good elasticity and resistance to particles. The rubber material is approved for use in potable water.

The motor can be fitted with a Pt100 or Pt1000 sensor that together with a control unit ensures that the maximum operating temperature conditions are not exceeded.

Liquid:

Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³

Technical:

Pump speed on which pump data are based:	2900 rpm
Rated flow:	3 m³/h
Rated head:	27 m
Shaft seal for motor:	LIPSEAL
Approvals on nameplate:	CE,EAC
Curve tolerance:	ISO9906:2012 3B
Motor version:	T40
Specification for shaft end:	SPLINE

Materials:

Pump:	Stainless steel
	EN 1.4301
	AISI AISI 304
Impeller:	Stainless steel
	EN 1.4301
	AISI AISI 304
Motor:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304

Installation:

Pump outlet:	Rp1 1/4
Motor diameter:	4 inch

Electrical data:

Motor type:	MS402
Rated power - P2:	0.37 kW
Power (P2) required by pump:	0.37 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400-415 V
Rated current:	1.30-1.4-1.50 A
Starting current:	400-390-380 %
Cos phi - power factor:	0.70-0.64-0.60
Rated speed:	2850-2860-2870 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	B
Built-in temp. transmitter:	no
Motor No:	79192002

Others:

Minimum efficiency index, MEI â‰¥:	0.70

GRUNDFOS

Company name:
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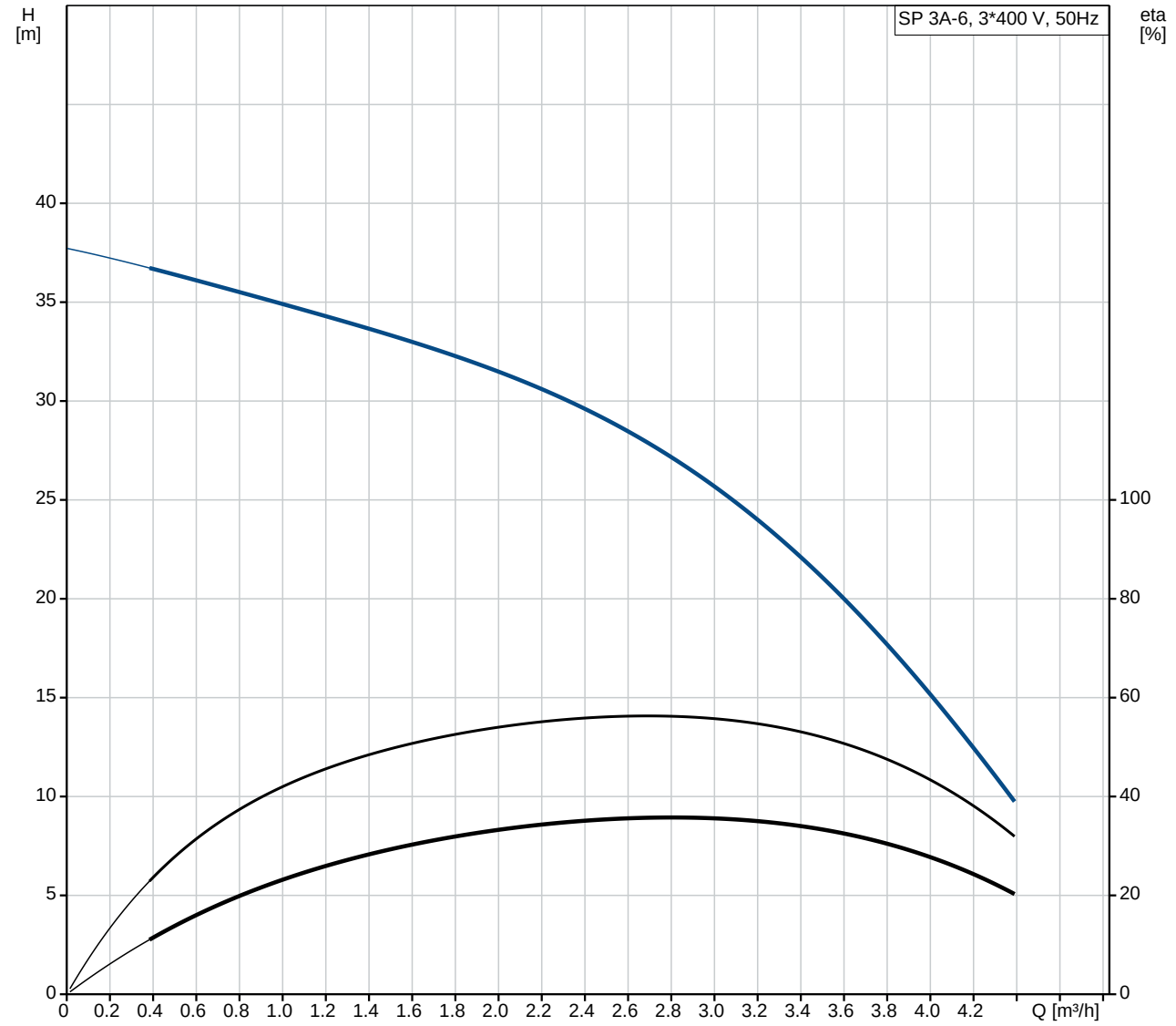
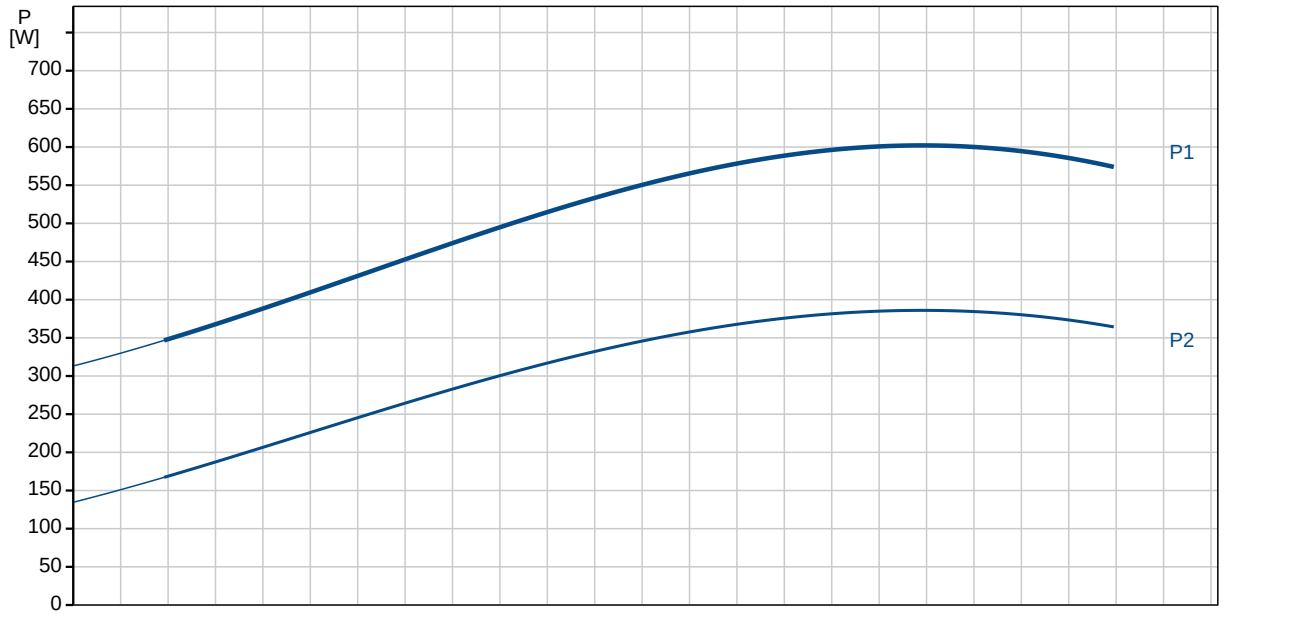
Qty.	Description	
	ErP status:	EuP Standalone/Prod.
	Net weight:	10.2 kg
	Gross weight:	11.4 kg
	Shipping volume:	10.8 m^3
	Danish VVS No.:	388313060
	Swedish RSK No.:	5852977
	Finnish LVI No.:	4762650
	Country of origin:	DK
	Custom tariff no.:	84137029

Company name:
Created by:
Phone:

Date: 05/11/2020

10001K06 SP 3A-6 50 Hz

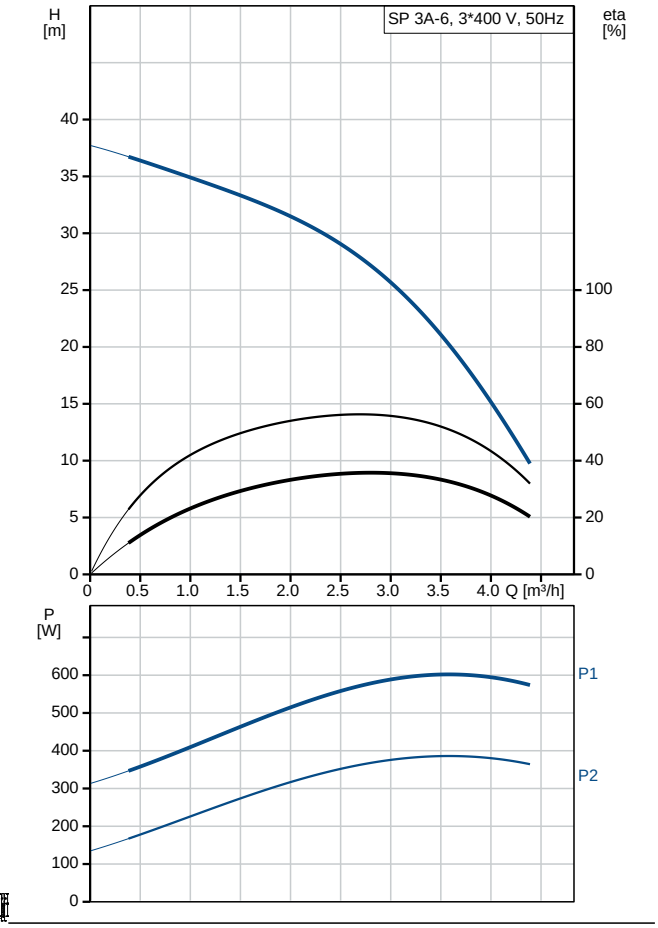


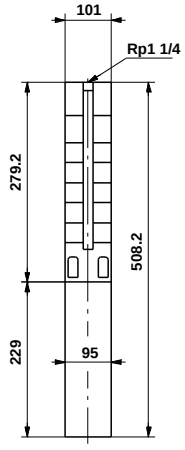


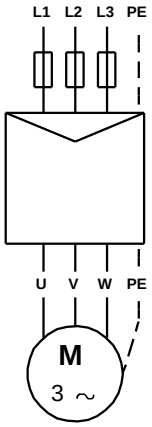
Company name:
Created by:
Phone:

Date: 05/11/2020

Description	Value
General information:	
Product name:	SP 3A-6
Product No:	10001K06
EAN number:	5708601051364
Price:	GBP 776
Technical:	
Pump speed on which pump data are based:	2900 rpm
Rated flow:	3 m³/h
Rated head:	27 m
Stages:	6
Impeller reduc.:	NONE
Shaft seal for motor:	LIPSEAL
Approvals on nameplate:	CE,EAC
Curve tolerance:	ISO9906:2012 3B
Model:	A
Valve:	YES
Motor version:	T40
Specification for shaft end:	SPLINE
Materials:	
Pump:	Stainless steel
Pump:	EN 1.4301
Pump:	AISI AISI 304
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI AISI 304
Motor:	Stainless steel
Motor:	DIN W.-Nr. 1.4301
Motor:	AISI 304
Installation:	
Pump outlet:	Rp1 1/4
Motor diameter:	4 inch
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	MS402
Applic. motor:	GRUNDFOS
Rated power - P2:	0.37 kW
Power (P2) required by pump:	0.37 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400-415 V
Rated current:	1.30-1.4-1.50 A
Starting current:	400-390-380 %
Cos phi - power factor:	0.70-0.64-0.60
Rated speed:	2850-2860-2870 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	B
Motor protec:	NONE
Thermal protec:	external
Built-in temp. transmitter:	no
Motor No:	79192002
Others:	
Minimum efficiency index, MEI â‰¥:	0.70







GRUNDFOS

Company name:
Created by:
Phone:

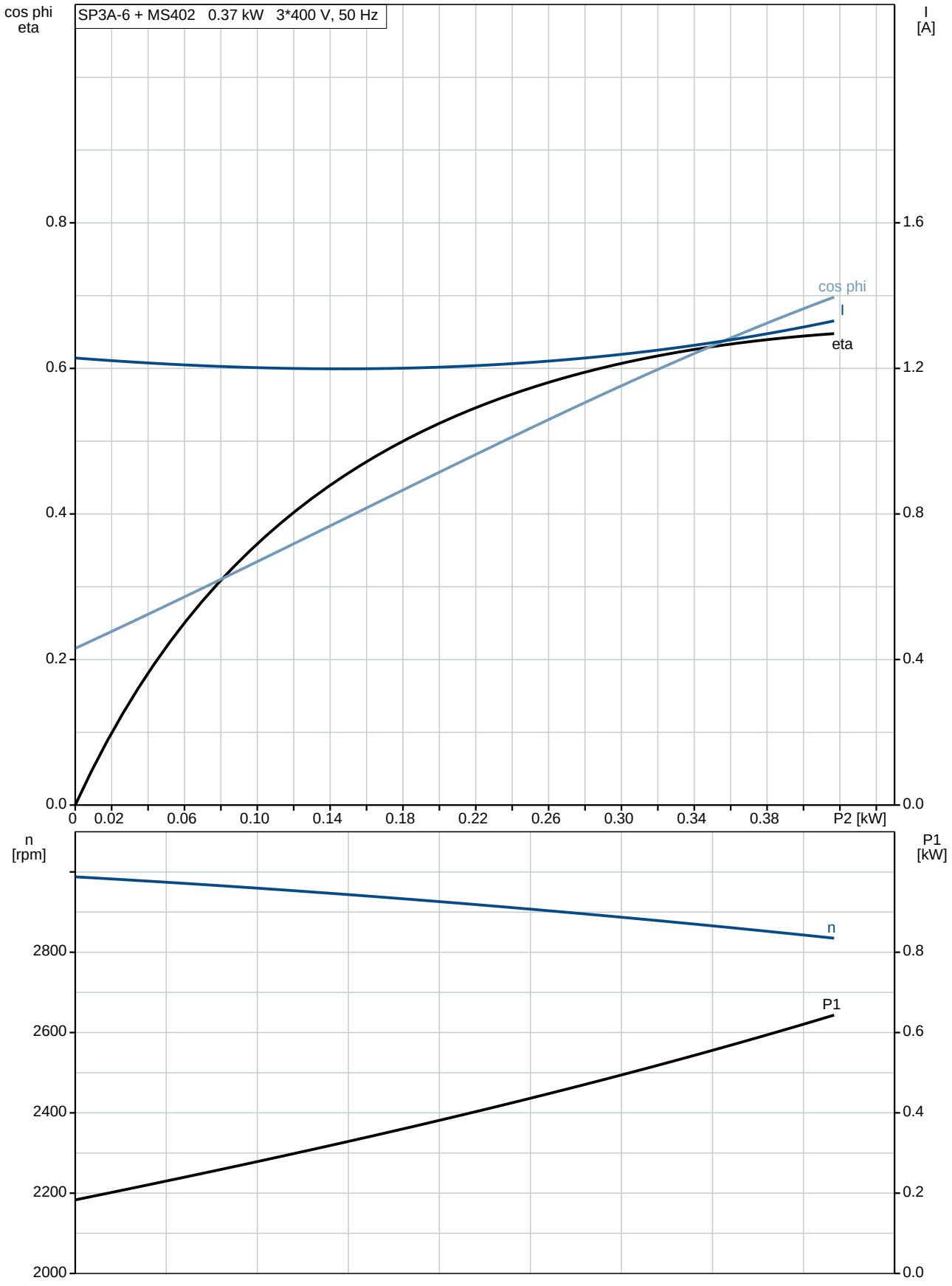
Date: 05/11/2020

Description	Value
ErP status:	EuP Standalone/Prod.
Net weight:	10.2 kg
Gross weight:	11.4 kg
Shipping volume:	10.8 m^3
Danish VVS No.:	388313060
Swedish RSK No.:	5852977
Finnish LVI No.:	4762650
Country of origin:	DK
Custom tariff no.:	84137029

Company name:
Created by:
Phone:

Date: 05/11/2020

10001K06 SP 3A-6 50 Hz

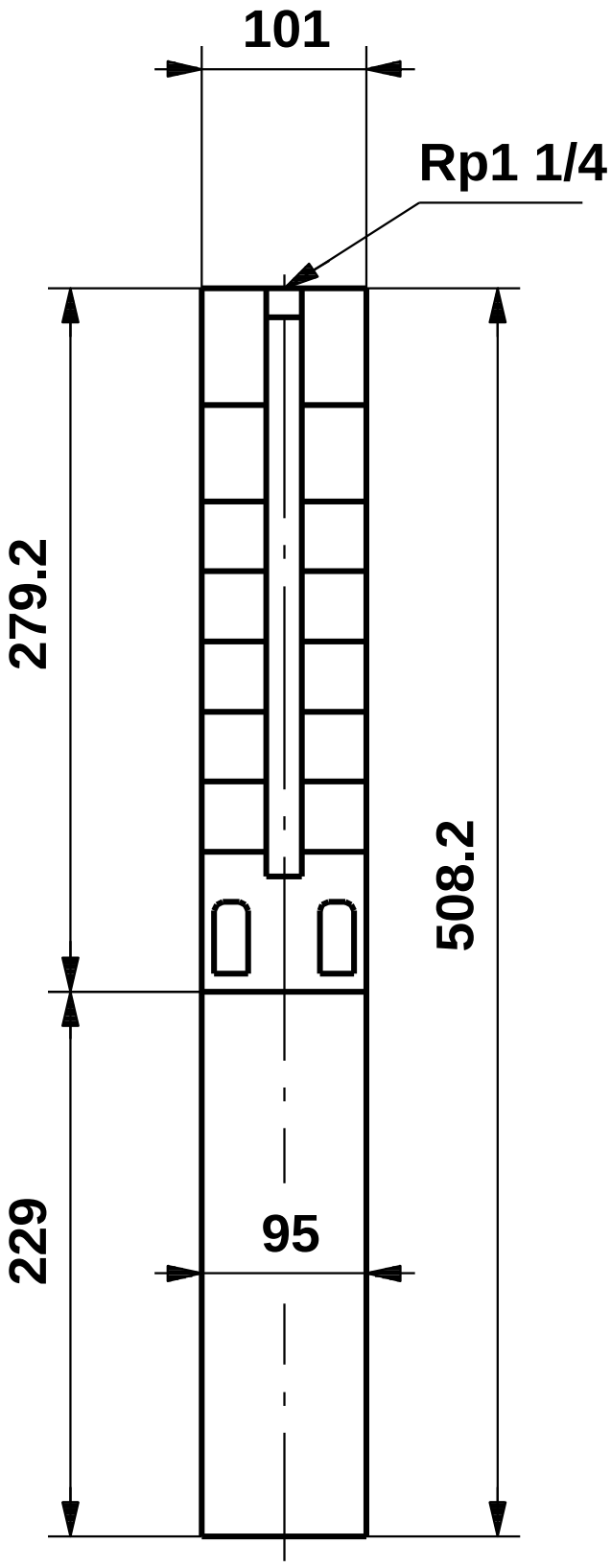


GRUNDFOS

Company name:
Created by:
Phone:

Date: 05/11/2020

10001K06 SP 3A-6 50 Hz

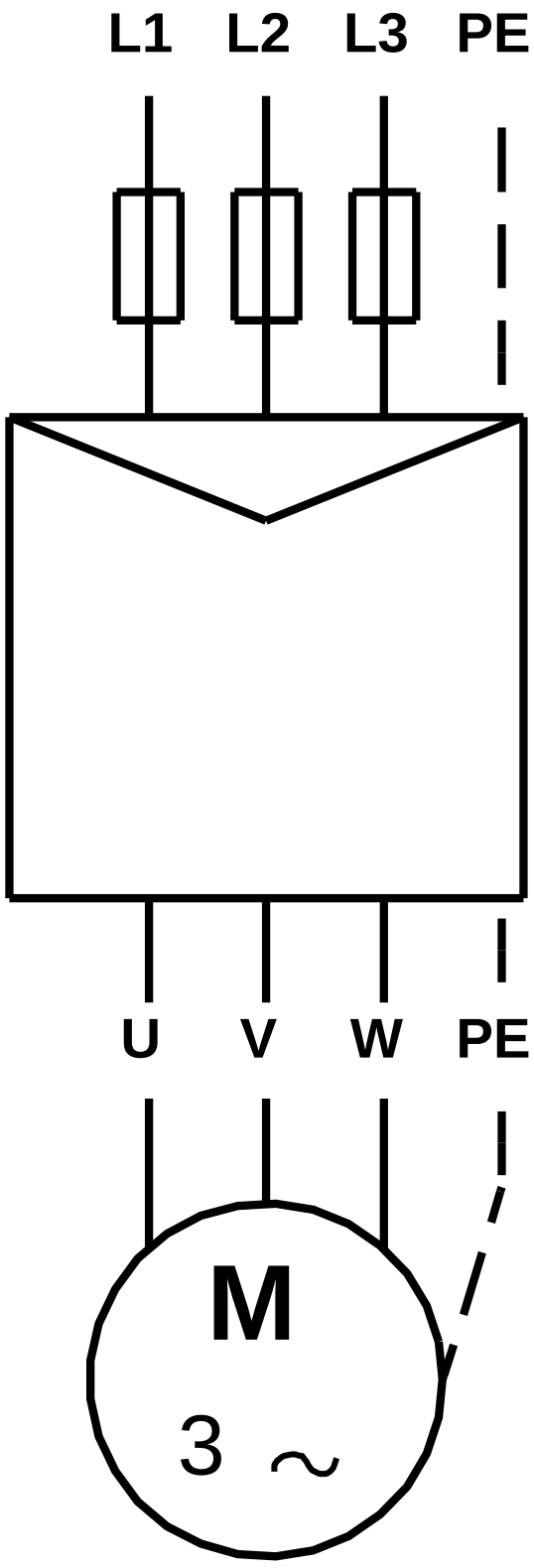


Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name:
Created by:
Phone:

Date: 05/11/2020

10001K06 SP 3A-6 50 Hz



Note! All units are in [mm] unless others are stated.