GRUNDFOS DATA BOOKLET

SQE 1-140 1.68kW 200-240V 50/60Hz

Grundfos Pump 96510147

Thank you for your interest in our products
Please contact us for more information, or visit our website
https://www.lenntech.com/grundfos/SQEC01/96510147/SQE-1-140.html

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Position	Qty.	Description
	1	**SQE 1-140**

Note! Product picture may differ from actual product

Product No.: 96510147

3" multi-stage, submersible pump designed for domestic water supply, liquid transfer in tanks, irrigation and environmental applications. The pump has "floating" impellers, each with its own tungsten carbide/ceramic bearing.

The pump features soft starting and protection against dry-running, upthrust, overvoltage, undervoltage, overload and overtemperature.

The motor is a single-phase motor of the permanent magnet rotor type ensuring optimum efficiency within a wide load range.

The motor is fitted with a replaceable end cover with socket.

Liquid:

Pumped liquid:	Water
Maximum liquid temperature:	35 °C
Max liquid t at 0.15 m/sec:	35 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³

Technical:

Speed for pump data:	10700 rpm
Rated flow:	1 m³/h
Rated head:	143 m
Approvals on motor nameplate:	CE,UL,CUL
Curve tolerance:	ISO9906:2012 3B

Materials:

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

Installation:

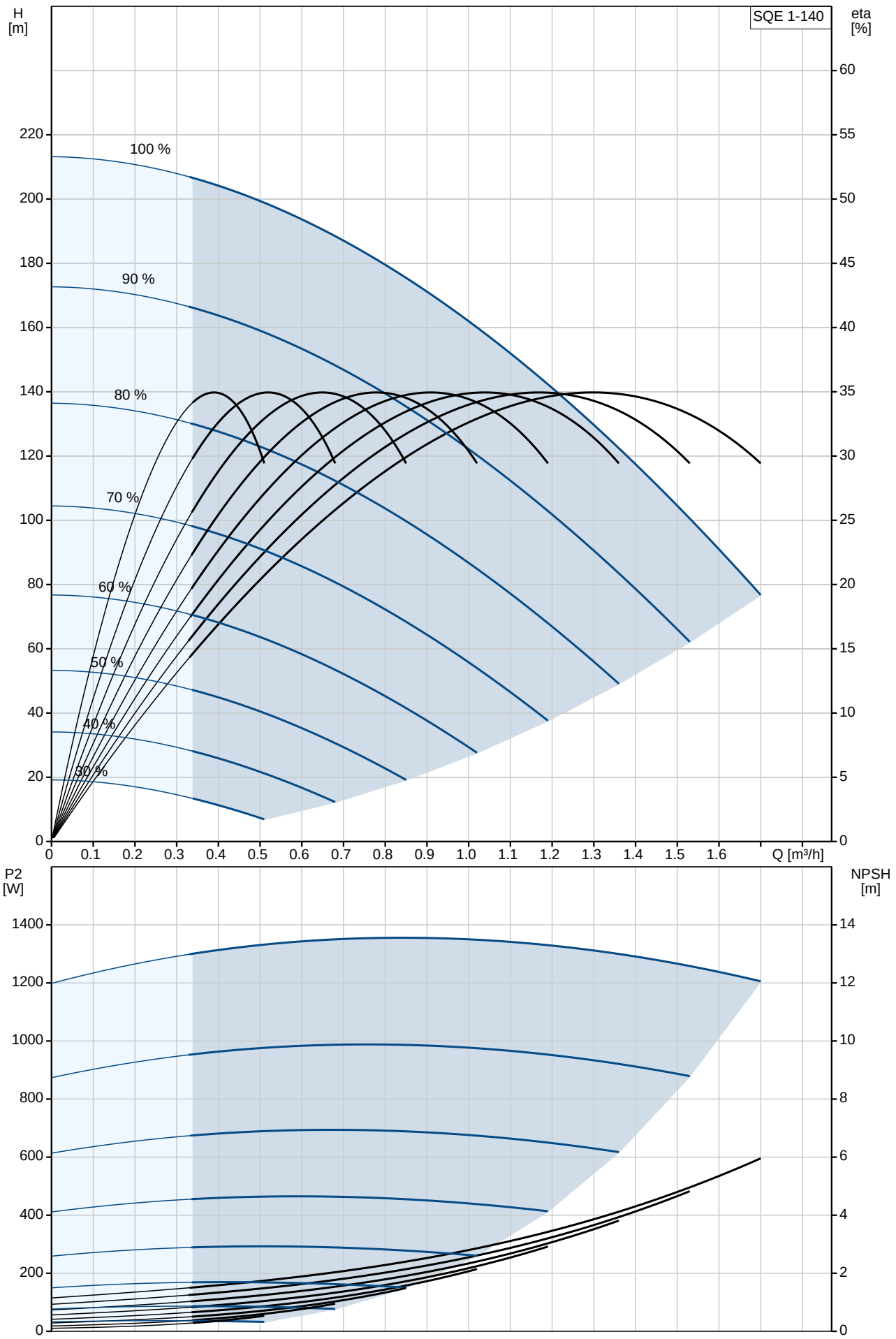
Pump outlet:	Rp 1 1/4
Minimum borehole diameter:	76 mm

Electrical data:

Motor type:	MSE3
Power input - P1:	2.32 kW
Rated power - P2:	1.68 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	11.2 A
Power factor:	1,00
Rated speed:	10700 rpm

Position	Qty.	Description	
		Start. method:	direct-on-line
		Enclosure class (IEC 34-5):	IP68
		Insulation class (IEC 85):	F
		Length of cable:	1.5 m
		Others:	
		Net weight:	6.5 kg
		Gross weight:	7.2 kg
		Shipping volume:	0.011 m^3
		Danish VVS No.:	388441540
		Swedish RSK No.:	5853367

96510147 SQE 1-140 50 Hz



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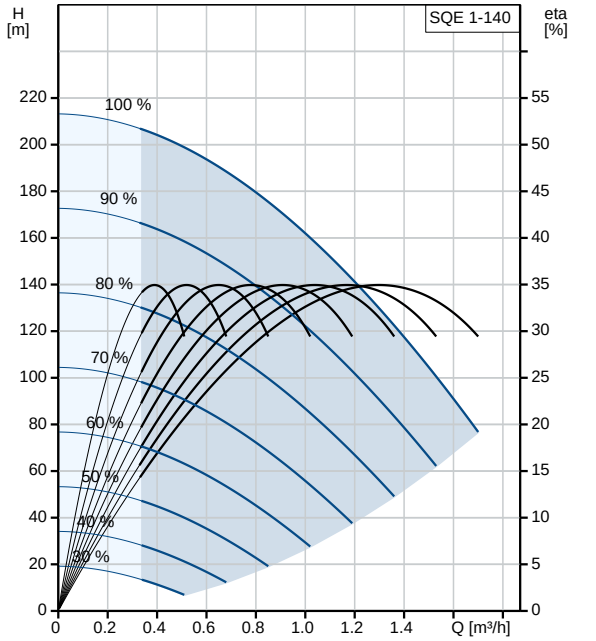
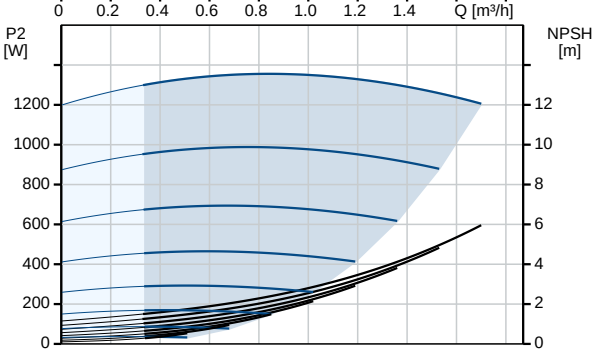
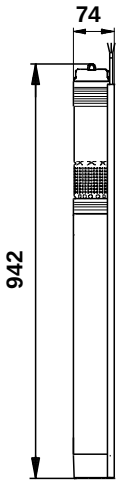
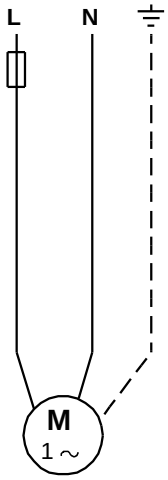
Description	Value
General information:	
Product name:	SQE 1-140
Product No:	96510147
EAN number:	5700396502434
Technical:	
Speed for pump data:	10700 rpm
Rated flow:	1 m³/h
Rated head:	143 m
Stages:	9
Approvals on motor nameplate:	CE,UL,CUL
Curve tolerance:	ISO9906:2012 3B
Pump No:	96080403
Model:	B
Valve:	pump with built-in non-return valve
Materials:	
Pump:	Polyamide / Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Impeller:	Polyamide
Motor:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Installation:	
Pump outlet:	Rp 1 1/4
Minimum borehole diameter:	76 mm
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	35 °C
Max liquid t at 0.15 m/sec:	35 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	MSE3
Power input - P1:	2.32 kW
Rated power - P2:	1.68 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	11.2 A
Power factor:	1,00
Rated speed:	10700 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protec:	Y
Thermal protec:	internal
Length of cable:	1.5 m
Motor No:	96160856
Controls:	
CU 300/CU 301:	communication with CU 300/CU 301 possible
Others:	
Net weight:	6.5 kg
Gross weight:	7.2 kg
Shipping volume:	0.011 m³
Sales region:	EU/S-AMREG/APREG
Danish VVS No.:	388441540
Swedish RSK No.:	5853367

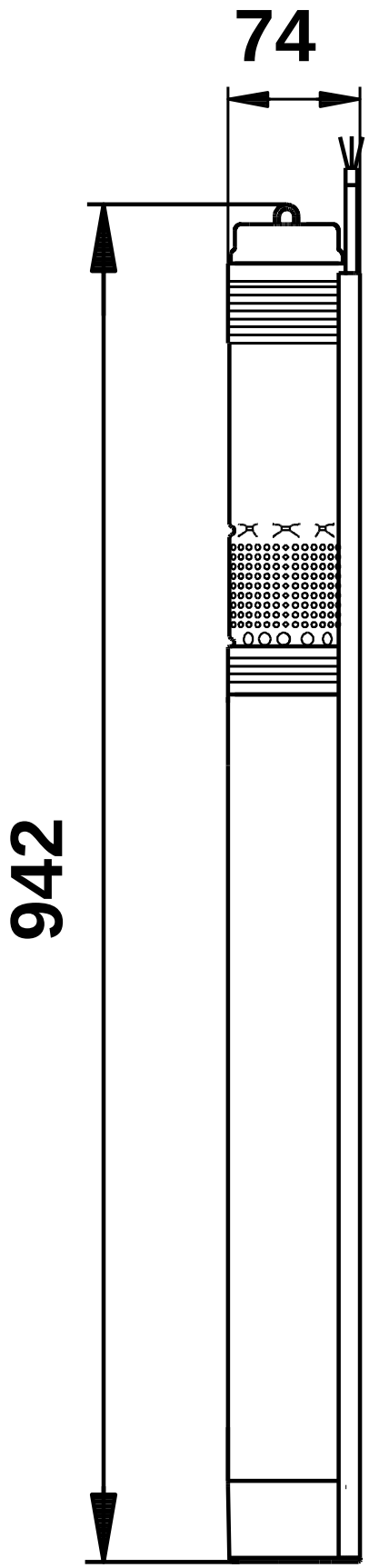






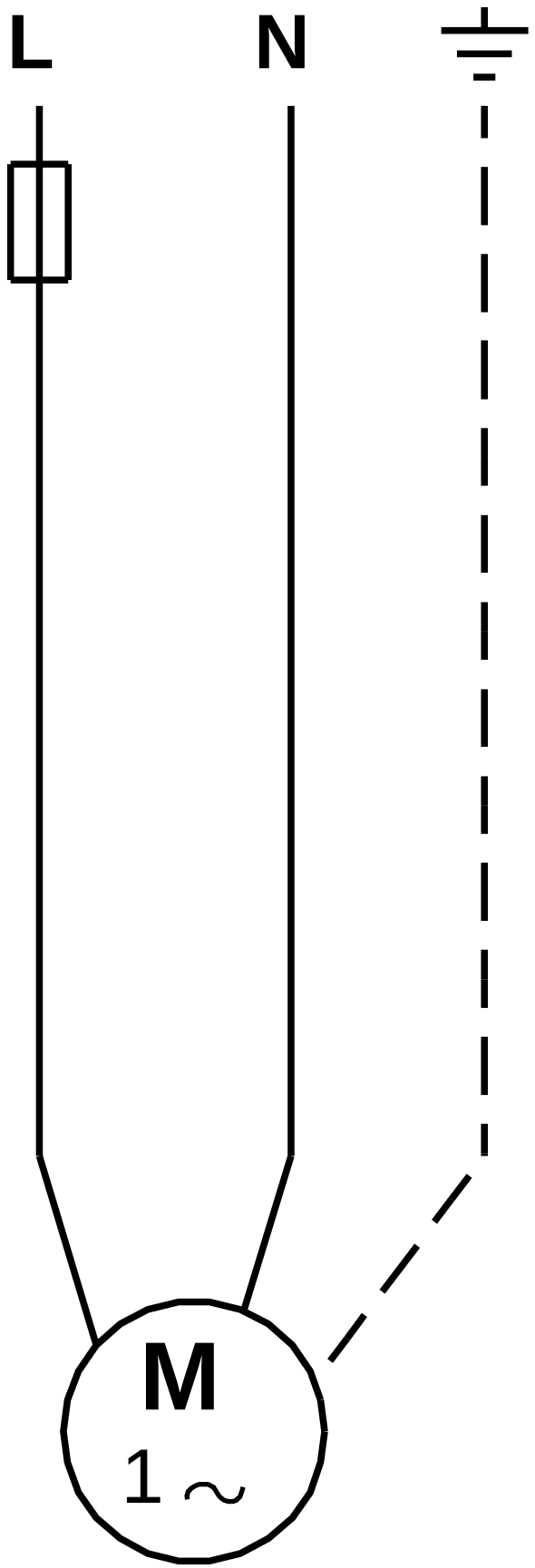


96510147 SQE 1-140 50 Hz



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

96510147 SQE 1-140 50 Hz



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

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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