

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:
REPRESENTATIVE: _____	TYPE OF SERVICE:	DATE: _____
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:
	ORDER NO.:	DATE:

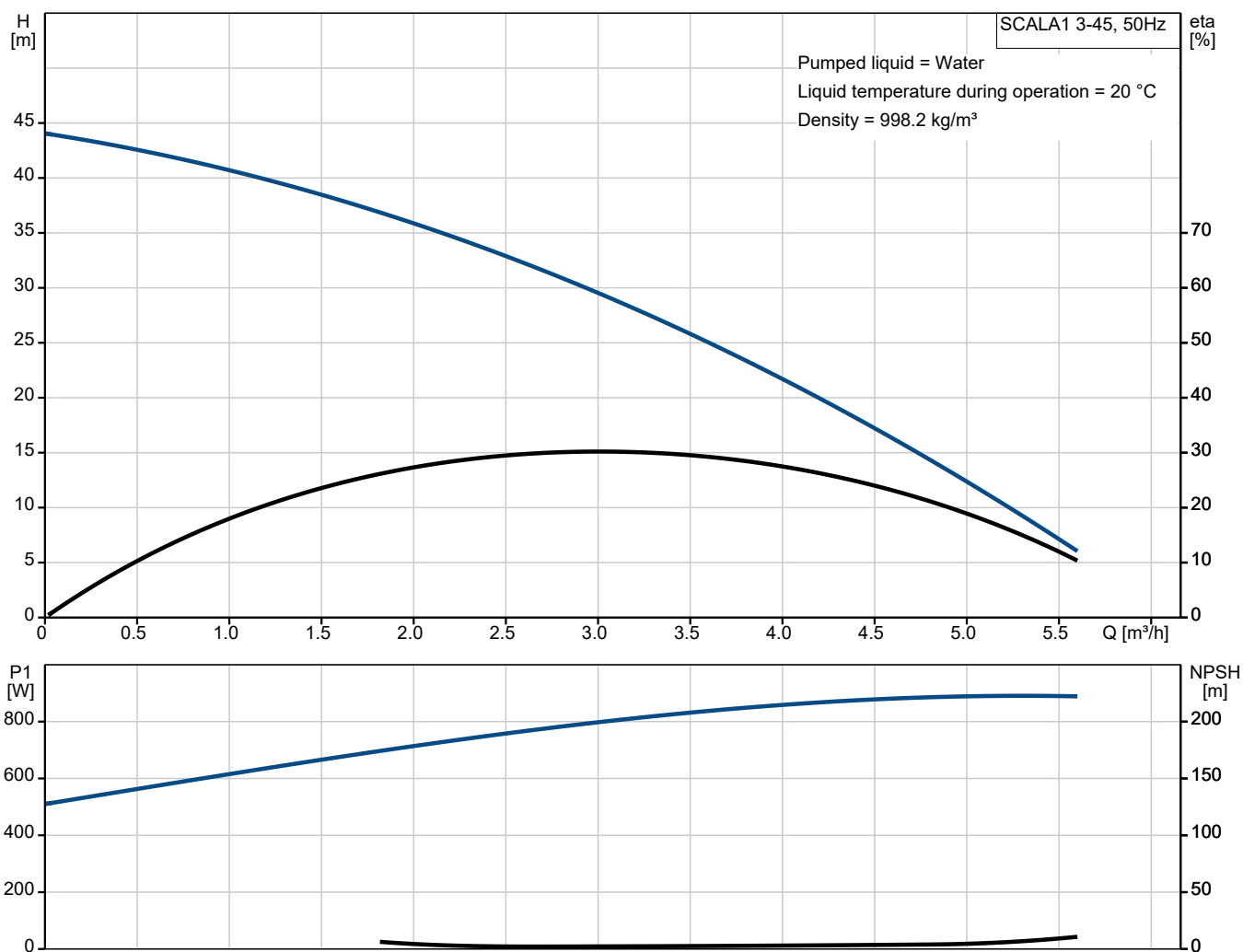
SCALA1 3-45



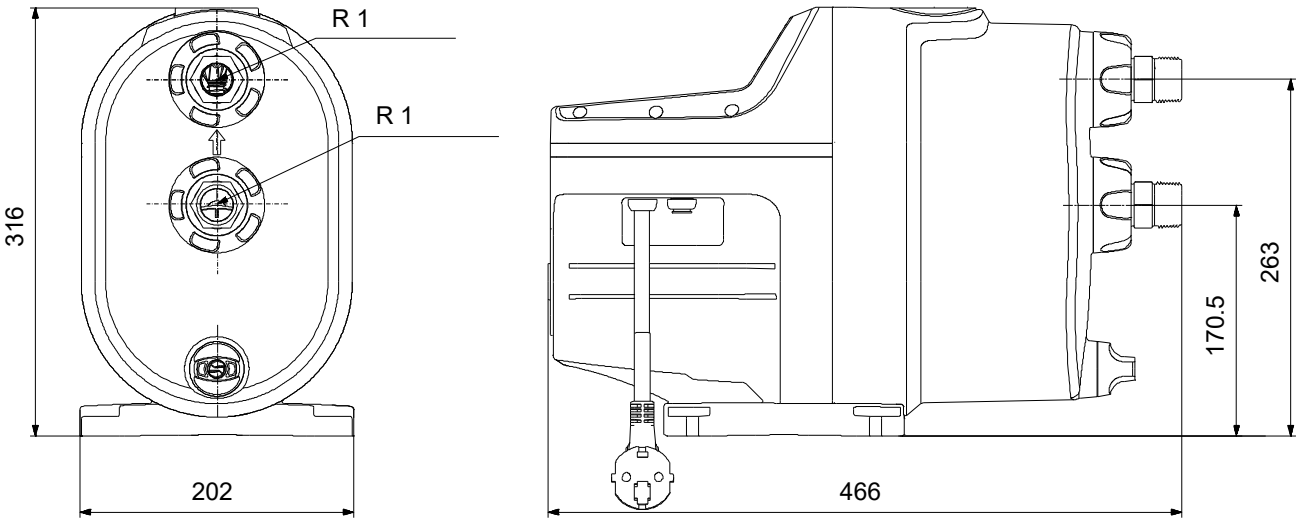
SCALA1 is a fully integrated, compact, self-priming water pressure and irrigation booster pump for domestic use. It has a quiet motor and connects to the Grundfos GO app via built-in Bluetooth to make it highly customisable.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	0 .. 45 °C	Rated voltage:	230 V
Temperature:	20 °C	Maximum ambient temperature:	55 °C	Mains frequency:	50 Hz
Specific Gravity:	1.000	Product number:	On request	Enclosure class:	IPX4D



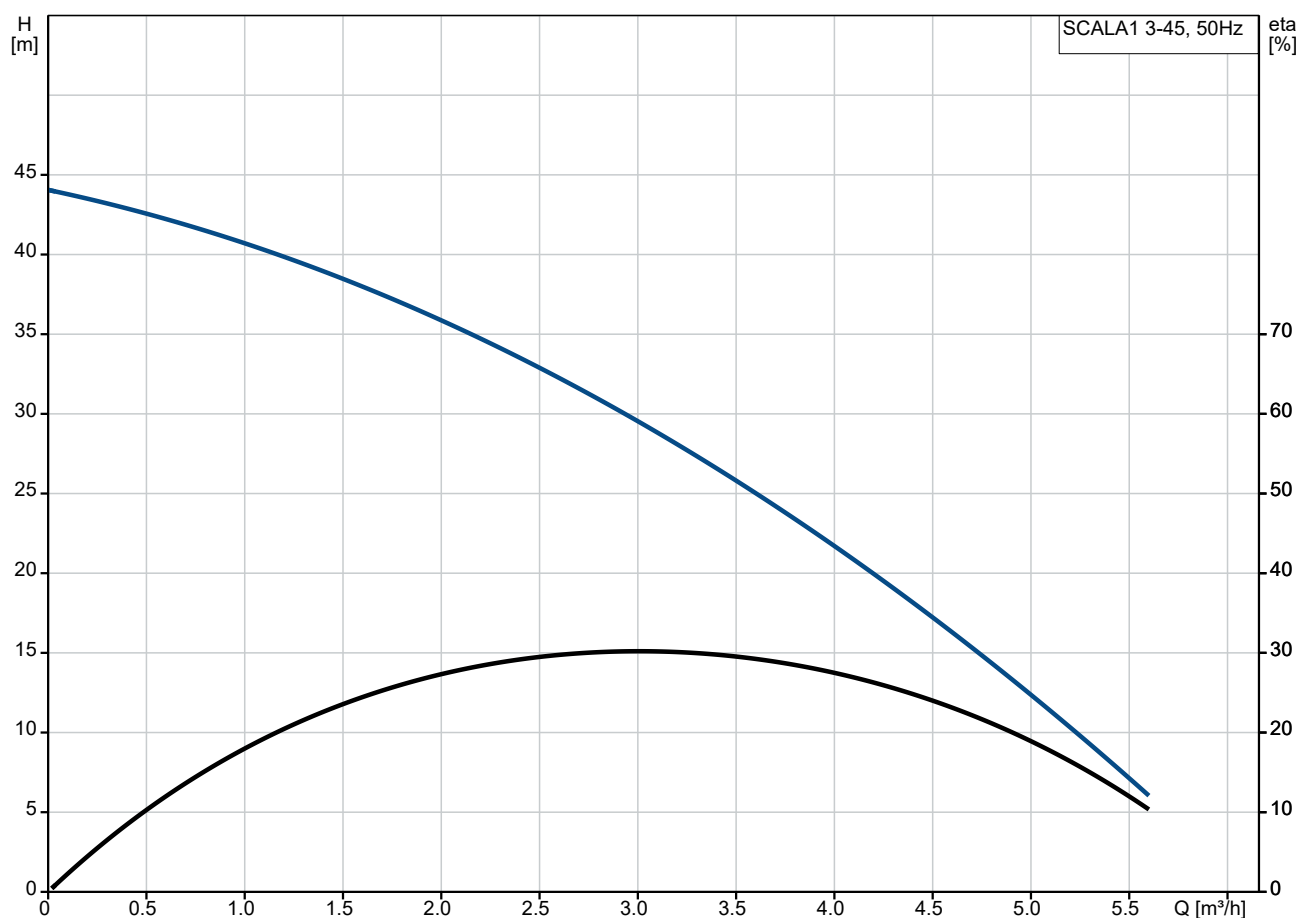
Submittal Data



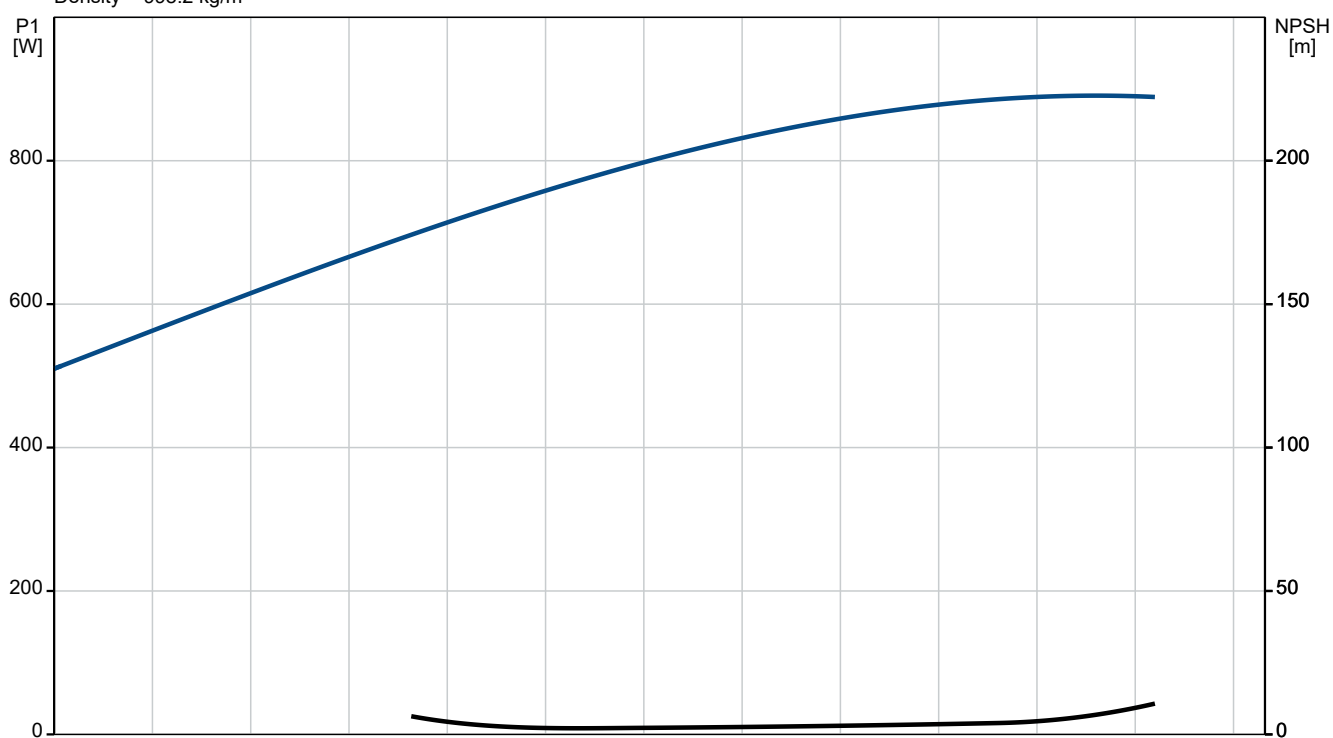
Materials:
Pump housing: Composite
Impeller: Composite

Qty.	Description
1	SCALA1 3-45  Product No.: On request The Grundfos SCALA1 is a self-priming, multistage pump that incorporates all the components of a pressure booster into a compact composite enclosure. As it is self-priming, the SCALA1 can pump water from a level below the pump. Provided it is filled with water, the pump can lift water from a depth of 8 m in less than 5 minutes. This facilitates easy installation and startup of the pump and provides more reliable water supply in installations where there is a risk of dry running and leakages in inlet hose or pipes. SCALA1 can communicate with the Grundfos GO app via the built-in Bluetooth, which enables detailed pump monitoring and extensive customisation options, making this pump a good fit for every application. SCALA1 incorporates advanced protection features such as: - dry-running protection that will automatically stop the pump in case of water shortage - cycling protection, which will prevent the pump from starting frequently in case of minor leaks in the installation - max runtime protection can stop the pump after a desired period of continuous operation, preventing potential damage due to flooding in case of pipe bursts. The pump has a built-in motor protection that will stop the pump if it is exposed to excessive temperatures due to a high ambient temperature, in case of seizure or overload, thus preventing motor burnout. With Grundfos GO you can easily set up SCALA1 as a twin booster system, operating as duty/standby as well as duty/assist. It is also possible to add external input control and schedule pump operation via the calendar function. SCALA1 requires no maintenance, but it is recommended to keep the pump clean, check the non-return valves and keep the ventilation holes free of dust.

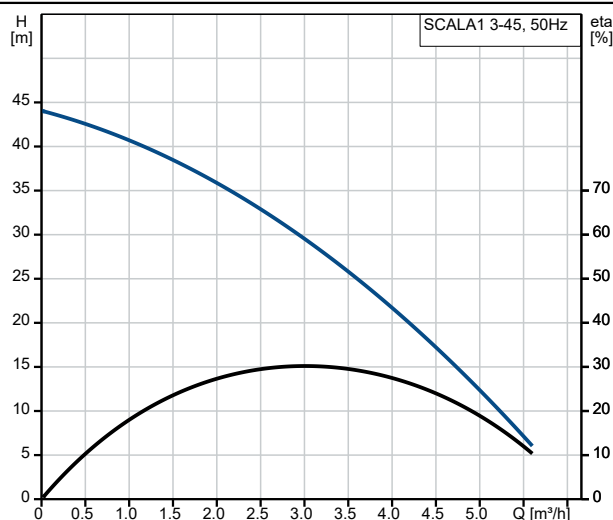
On request SCALA1 3-45 50 Hz



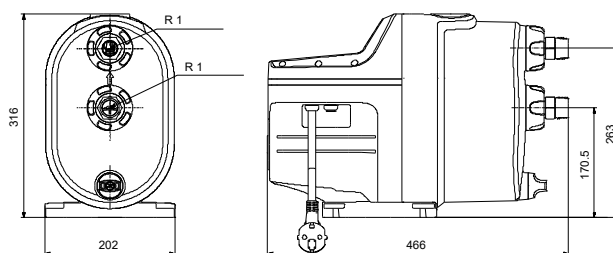
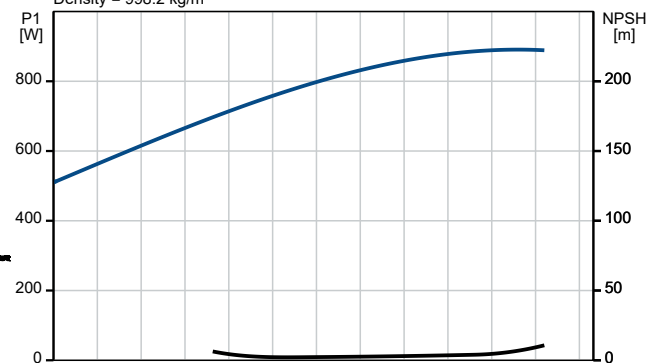
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



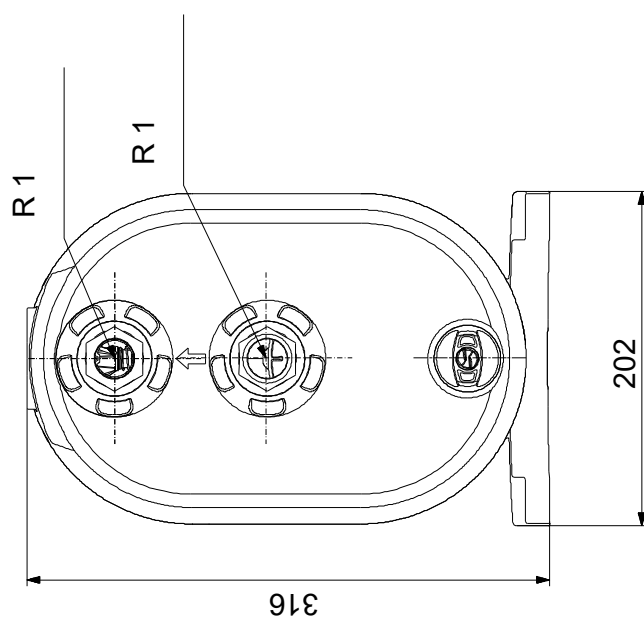
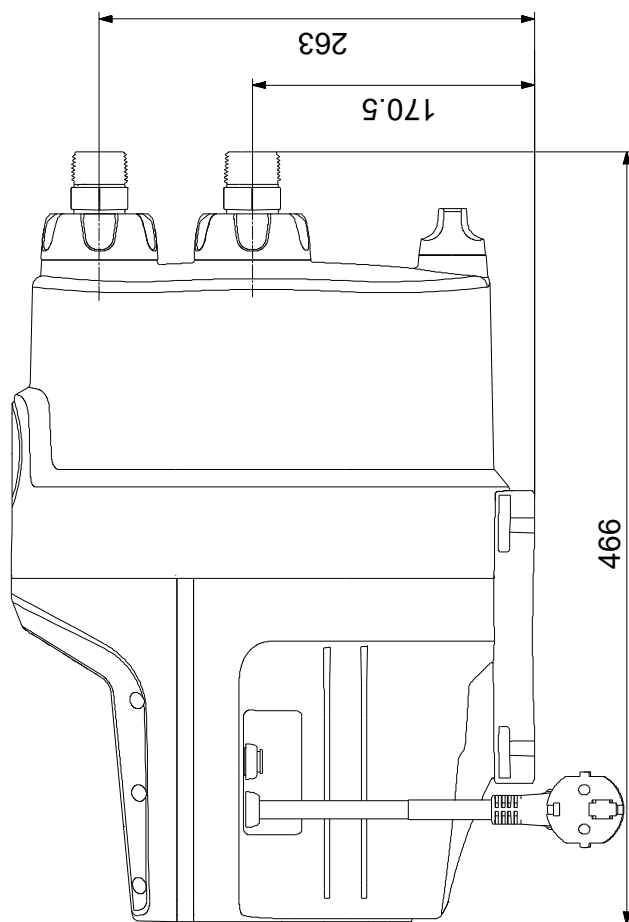
Description	Value
General information:	
Product name:	SCALA1 3-45
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	3 m³/h
Rated head:	29.2 m
Maximum head:	44 m
Shaft seal type:	BVBP
Approvals:	CE,MORO,SEPRO,AAA
Approvals for drinking water:	WRAS,ACS
Curve tolerance:	ISO9906:2012 3B
Model:	A
Start pressure:	2.2 bar
Materials:	
Pump housing:	Composite
Impeller:	Composite
Installation:	
Range of ambient temperature:	0 .. 55 °C
Maximum operating pressure:	8 bar
Maximum permissible inlet pressure:	3 bar
Type of inlet connection:	R
Type of outlet connection:	R
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
Pressure rating for connection:	PN 8
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	0 .. 45 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Max. P1:	900 W
Rated power - P2:	0.58 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 230 V
Rated current:	3.85 A
Enclosure class (IEC 34-5):	IPX4D
Insulation class (IEC 85):	F
Length of power cable:	1.5 m
Power plug:	Type E/F (CEE7/7) Schuko plug
Others:	
Net weight:	12 kg
Gross weight:	14 kg
Shipping volume:	0.046 m³
Storage temperature range:	-40 .. 70 °C
Danish VVS No.:	385183045
Swedish RSK No.:	5854000
Finnish LVI No.:	4732545
Norwegian NRF no.:	9045229
Country of origin:	HU
Custom tariff no.:	84137000



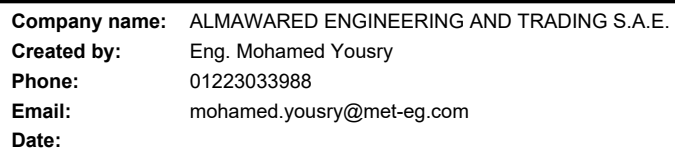
Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³



On request SCALA1 3-45 50 Hz



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



Position	Your pos.	Product name	Amount	Product No	Total
		SCALA1 3-45	1	On request	