

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

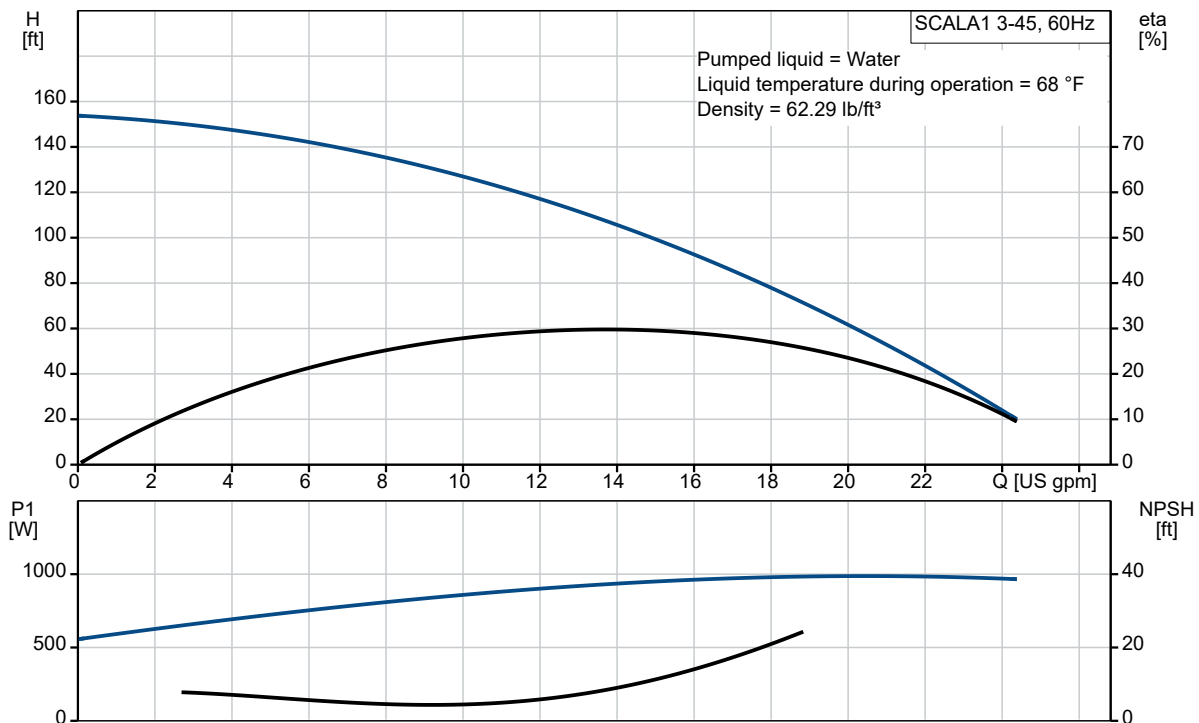


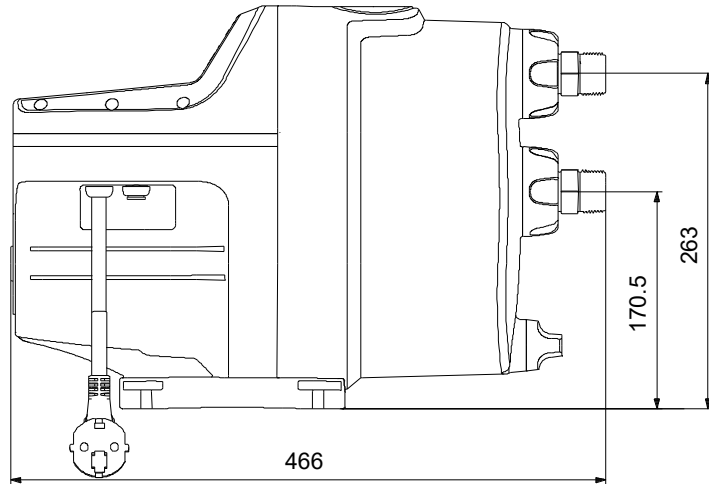
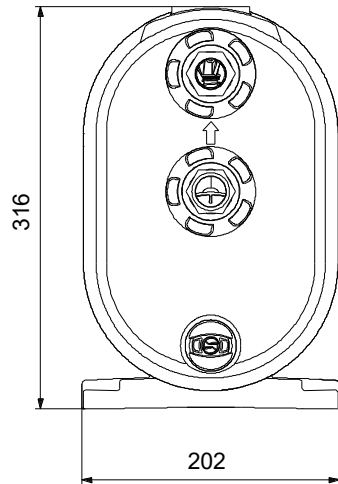
Product photo could vary from the actual product

SCALA1 3-45

The Grundfos SCALA1 is a fully integrated, all-in-one, self-priming, compact waterworks designed for pressure boosting in domestic and light-commercial applications, such as garden irrigation or pressure boosting to one and two family houses and apartments.

Conditions of Service	Pump Data	Motor Data
Efficiency: _____	Maximum operating pressure: 116 psi	Rated voltage: 115 V
Liquid: Water	Liquid temperature range: 32 .. 113 °F	Main frequency: 60 Hz
Temperature: 68 °F	Maximum ambient temperature: 131 °F	Enclosure class: X4D
NPSH required: ft	Product number: On request	
Specific Gravity: 1.000		






Materials:

Pump housing: Composite

Impeller: Composite

Count	Description
1	<p>SCALA1 3-45</p>  <p>Product No.: On request</p> <p>The Grundfos SCALA1 is a self-priming, multistage pump, that incorporates all the components of a pressure booster into a compact composite enclosure.</p> <p>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 start-up of the pump and provides more reliable water supply in installations where there is a risk of dry running and leakages in suction hose or pipes.</p> <p>SCALA1 can communicate with Grundfos GO app via built in Bluetooth, which enables detailed pump monitoring and high customization options, making this pump a good fit for every application.</p> <p>SCALA1 incorporates advanced protection features such as:</p> <ul style="list-style-type: none"> - Dry running protection that will automatically stop the pump in case of water shortage - Cycling protection which will prevent pump starting frequently in case of minor leakages in installation - Max runtime protection can stop the pump after a desired period of continuous operation, preventing potential damage due flooding in case of pipe breakages. <p>The pump has a built-in motor protection that will stop the pump if exposed to excessive temperature due to high ambient temperature, in case of seizure or overload, thus preventing a motor burnout.</p> <p>With Grundfos GO you can easily setup SCALA1 as a Twin booster system, operating as duty/stand by as well as duty/assist. It is also possible to add external input control and schedule a pump operation via calendar function.</p> <p>SCALA1 require no maintenance, but it is recommended to keep the pump clean, check the non-return valves and keep the ventilation holes free of dust.</p>



Company name:

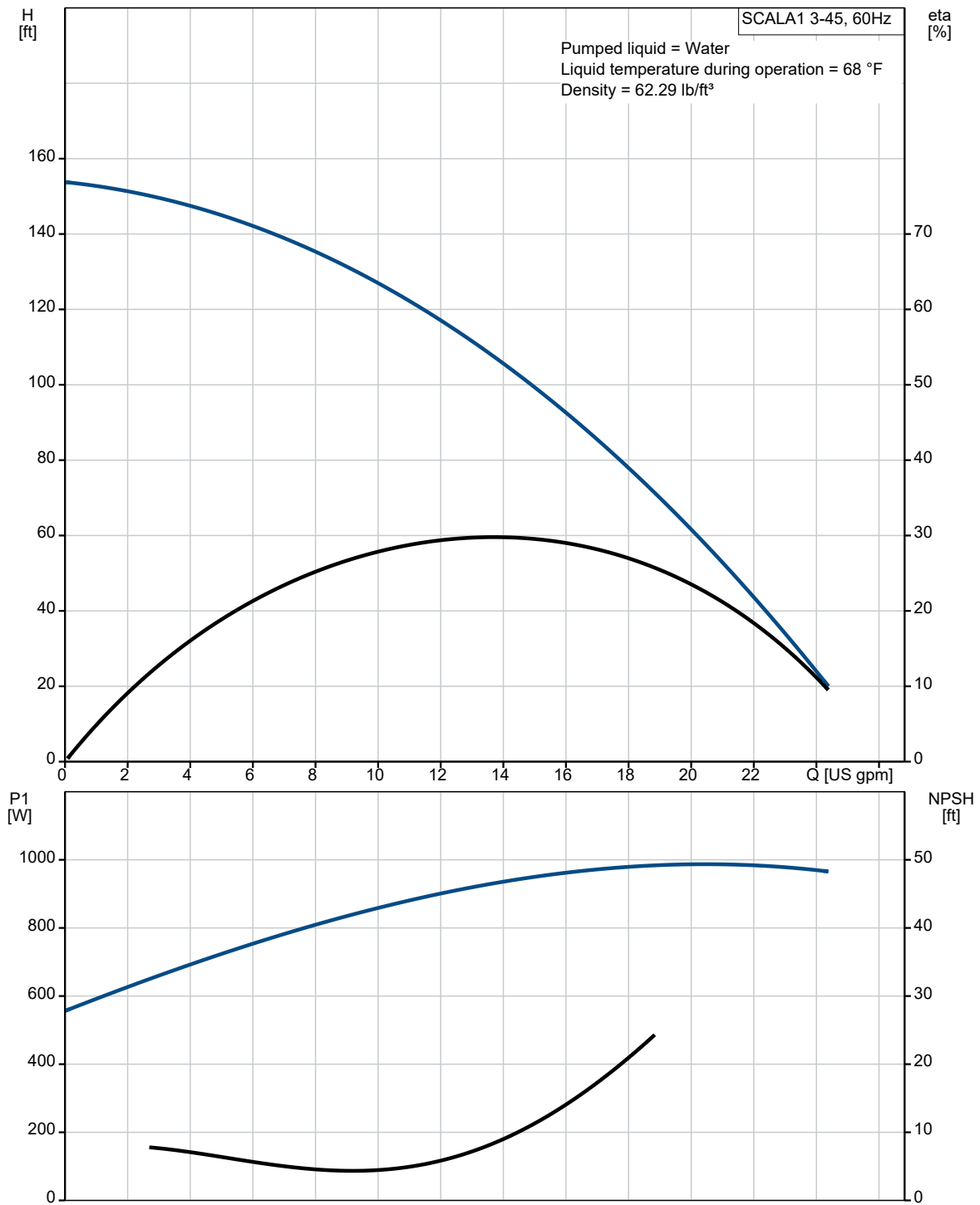
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Date:

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On request SCALA1 3-45 60 Hz

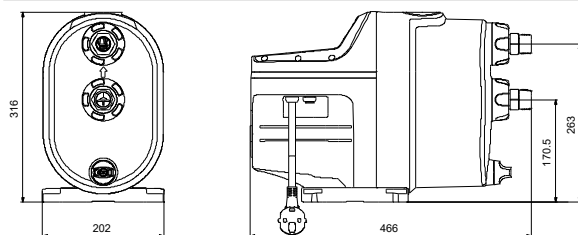
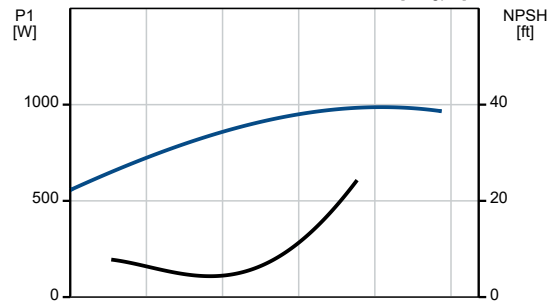
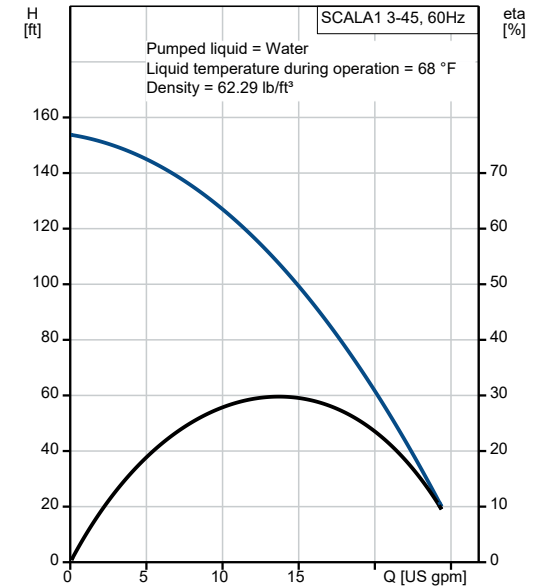




Company name:
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Description	Value
General information:	
Product name:	SCALA1 3-45
Product No.:	On request
EAN:	On request
Technical:	
Rated flow:	14.9 US gpm
Rated head:	82.02 ft
Maximum head:	150.9 ft
Primary shaft seal:	BVBP
Approvals:	CCSAUS,CSA_ILL,PROP 65
Approvals for drinking water:	CSA DW
Curve tolerance:	ISO9906:2012 3B
Model:	A
Start pressure:	31.91 psi
Materials:	
Pump housing:	Composite
Impeller:	Composite
Installation:	
Range of ambient temperature:	32 .. 131 °F
Maximum operating pressure:	116 psi
Maximum permissible inlet pressure:	43.5 psi
Type of inlet connection:	NPT(M)
Type of outlet connection:	NPT(M)
Size of suction port:	1 inch
Size of outlet port:	1 inch
Pressure rating for connection:	PN 8
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 113 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Length of power cable:	4.92 ft
P1 max.:	950 W
Rated power - P2:	0.791 HP
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
Maximum current consumption:	8.62 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Power plug:	Type B (NEMA 5-15)
Power plug:	US plug 115V
Others:	
Net weight:	26.5 lb
Gross weight:	30.9 lb
Shipping volume:	1.62 ft³
Storage temperature range:	-40 .. 158 °F





Company name:

Created by:

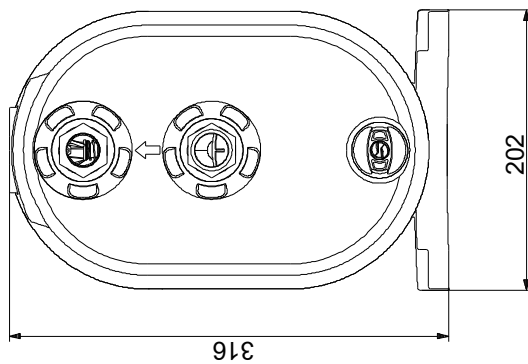
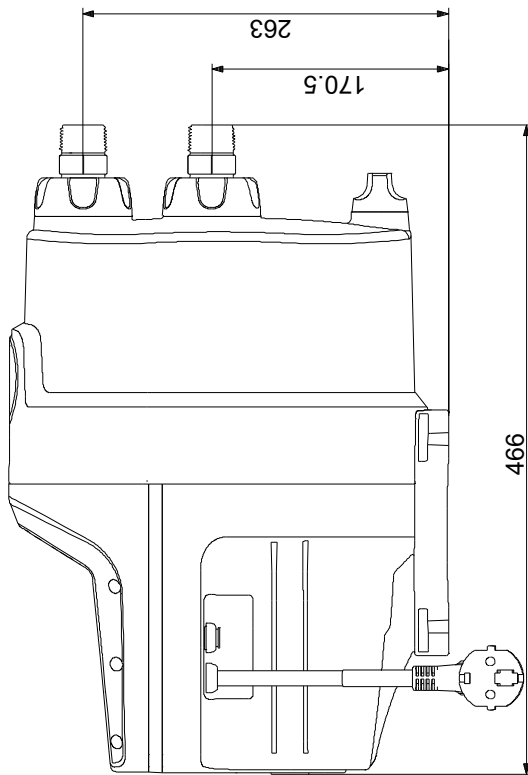
Phone:

Date:

10/7/2021

Description	Value
Country of origin:	HU
Custom tariff no.:	8413.70.2040

On request SCALA1 3-45 60 Hz



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