

Submittal Data

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

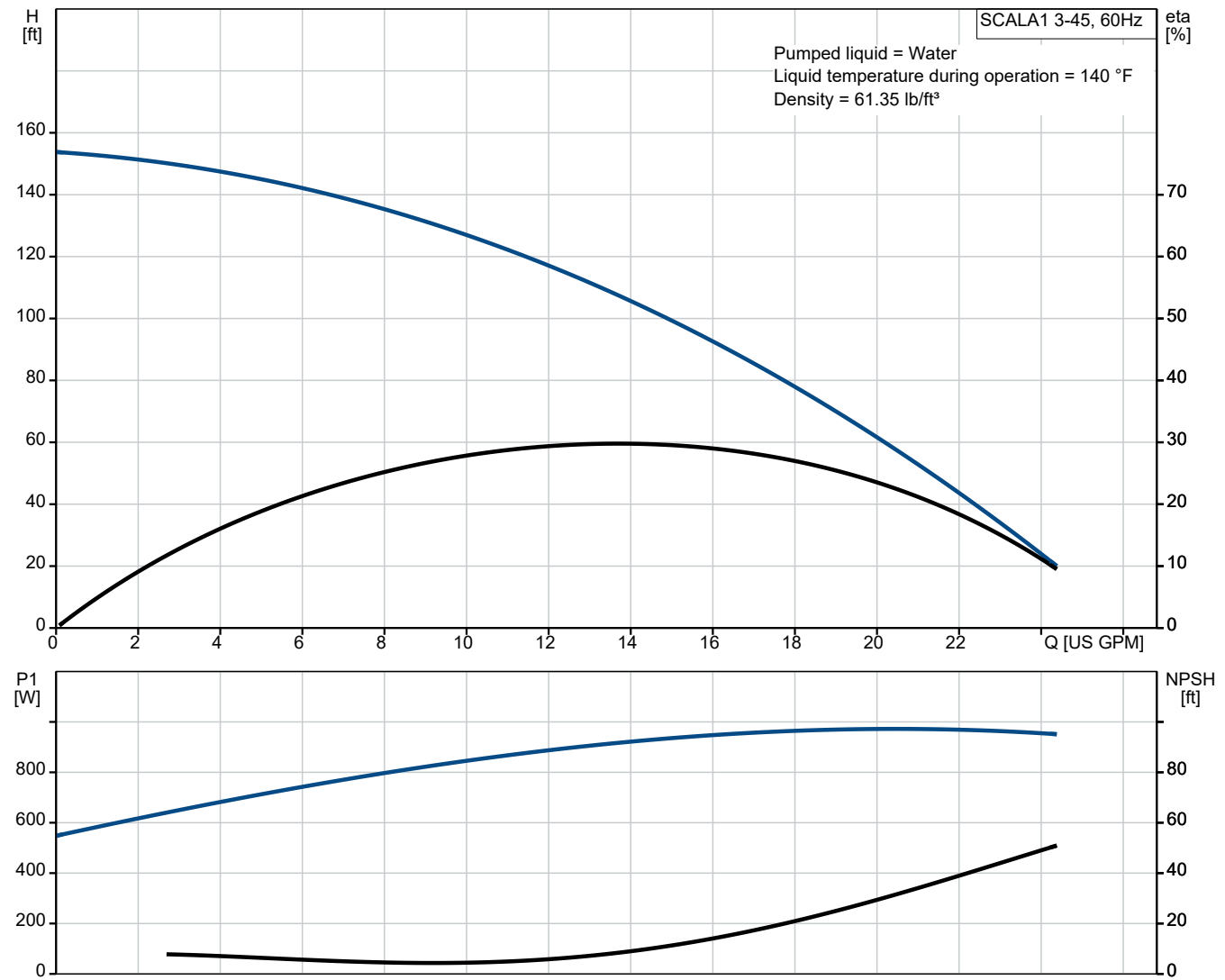
SCALA1 3-45



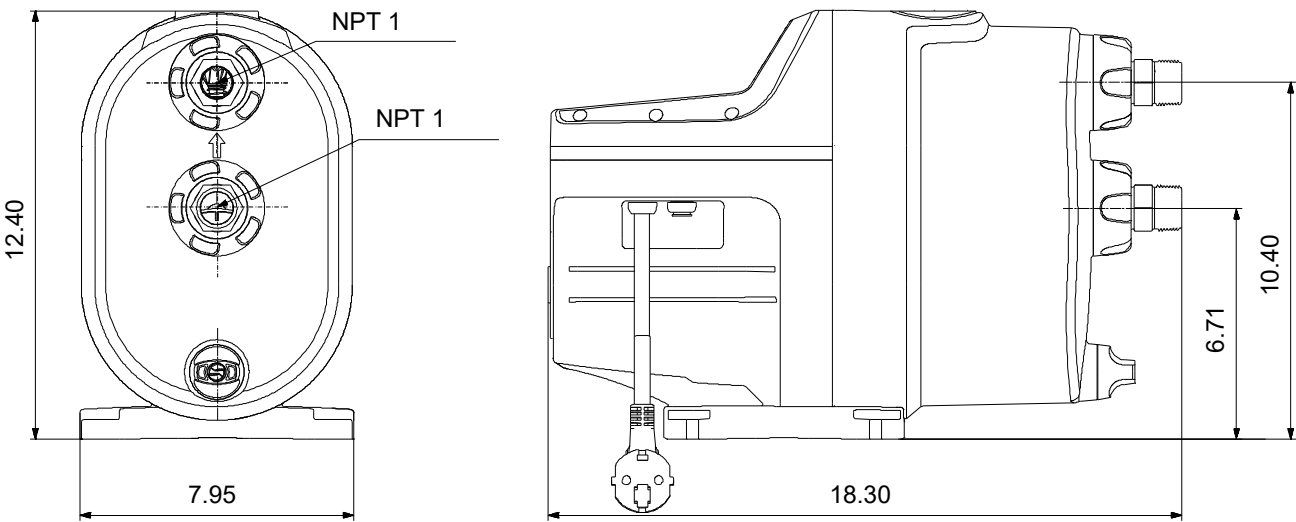
SCALA1 is a fully integrated, compact, self-priming water pressure and irrigation booster pump for domestic use. It has a quiet motor and connects to the Grundfos GO app via built-in Bluetooth to make it highly customisable.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	32 .. 113 °F	Rated voltage:	115 V
Temperature:	140 °F	Maximum ambient temperature:	131 °F	Mains frequency:	60 Hz
Specific Gravity:	0.985	Product number:	99631742	Enclosure class:	X4D



Submittal Data



Materials:
Pump housing: Composite
Impeller: Composite

Qty.	Description
1	<p>SCALA1 3-45</p>  <p>Product No.: 99631742</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>



Product No.: [99631742](#)

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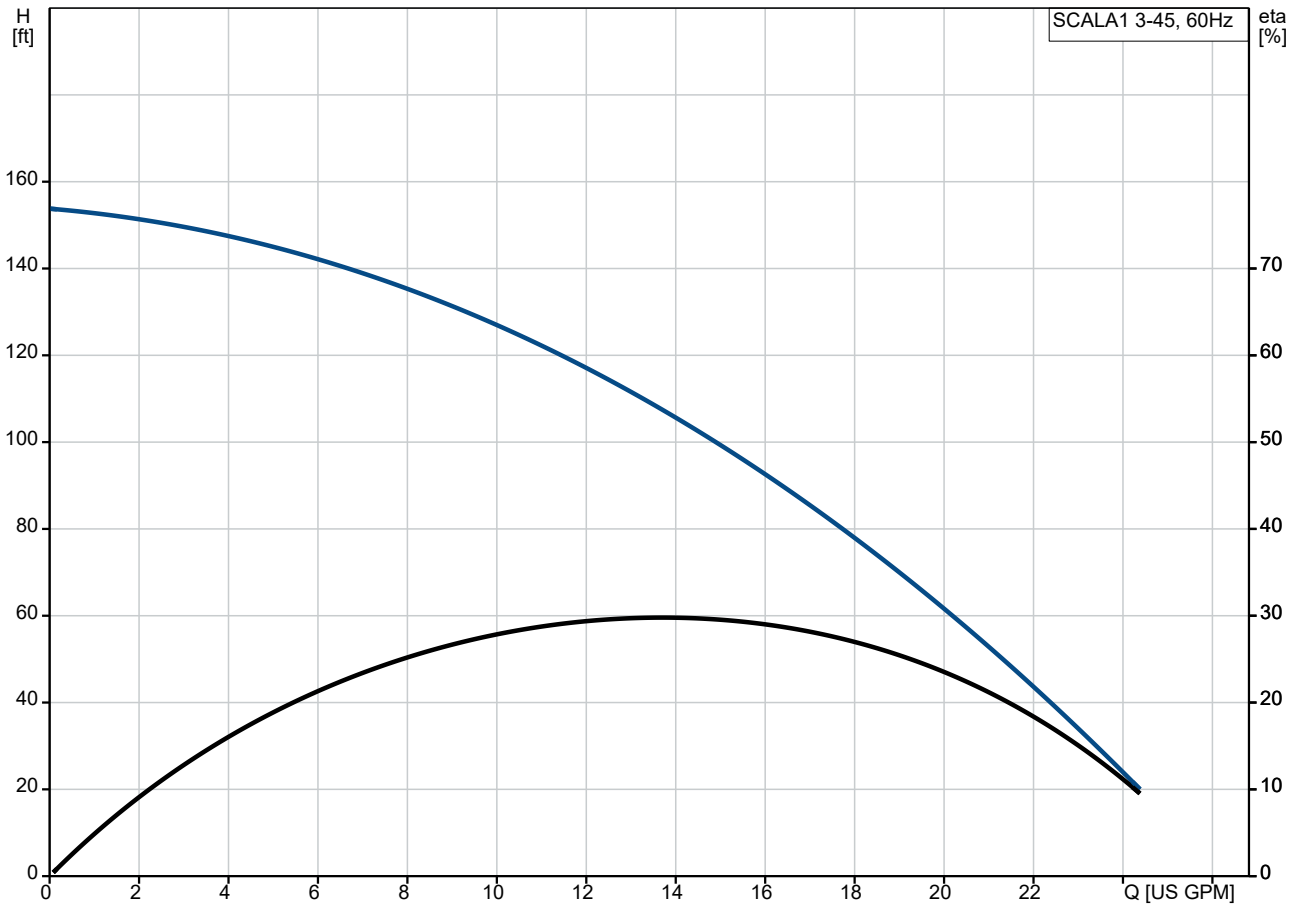
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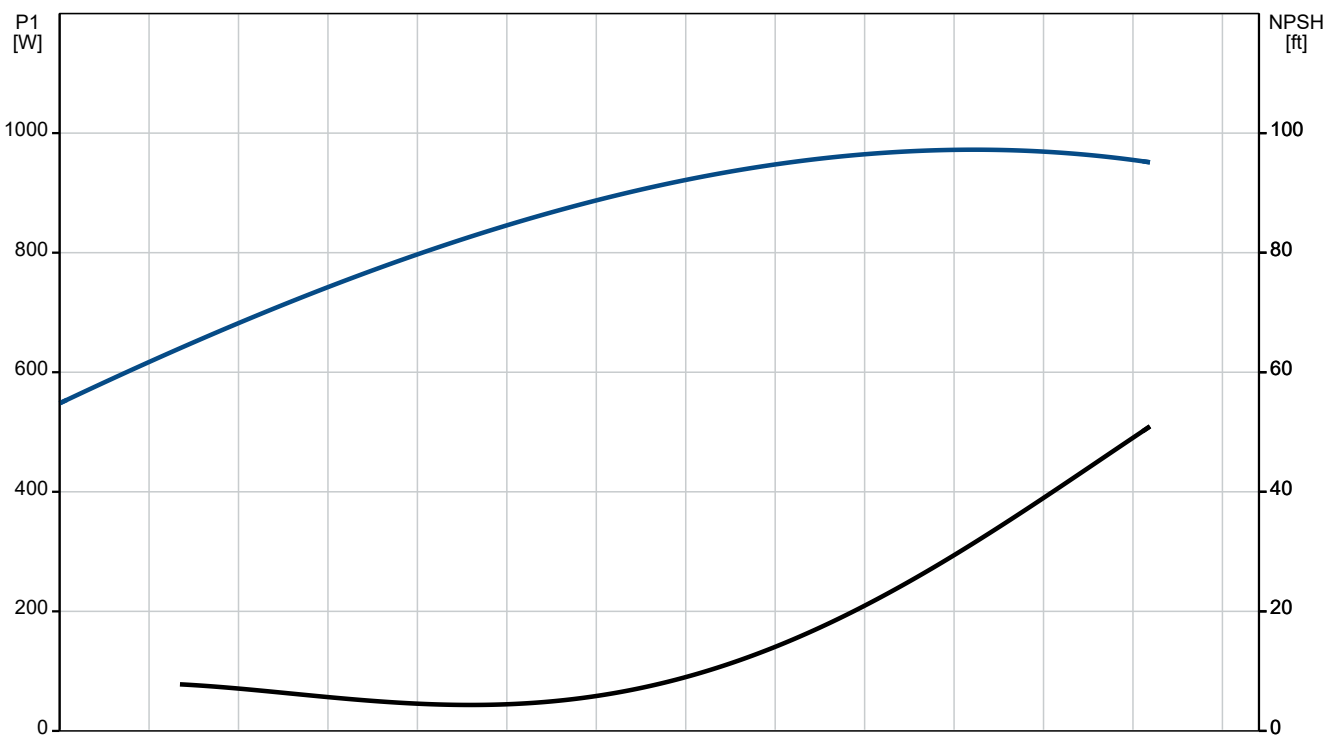
With Grundfos GO you can easily setup SCALA1 as a Twin booster system, operating as duty/stand by as well as duty/assist. It is also possible to add external input control and schedule a pump operation via calendar function.

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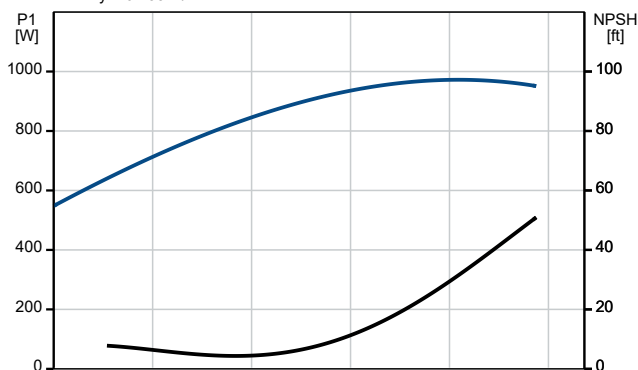
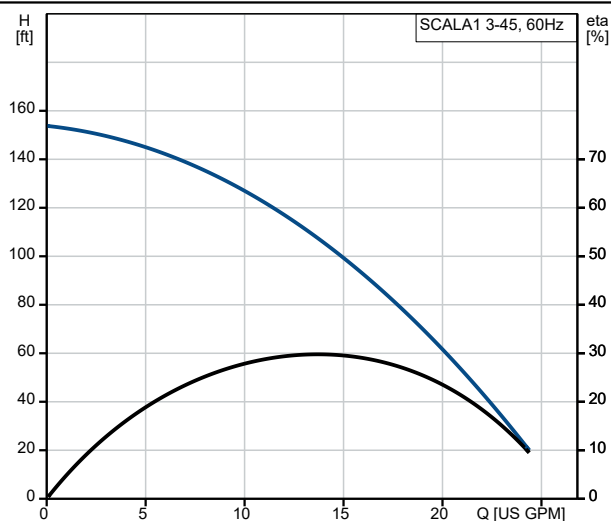
99631742 SCALA1 3-45 60 Hz



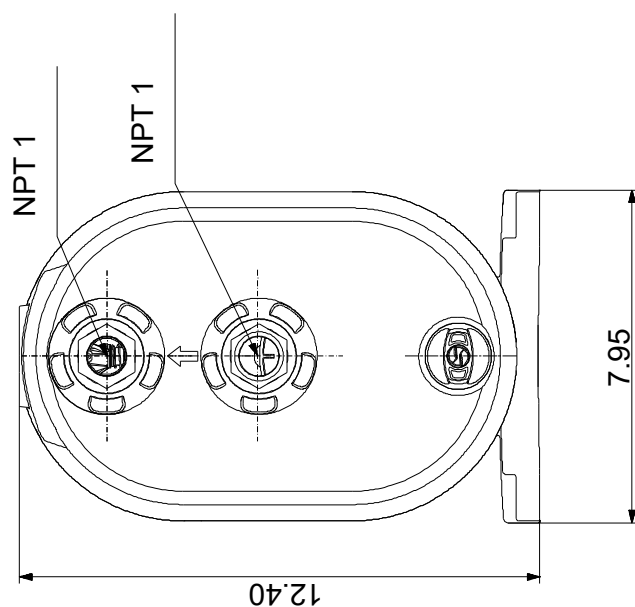
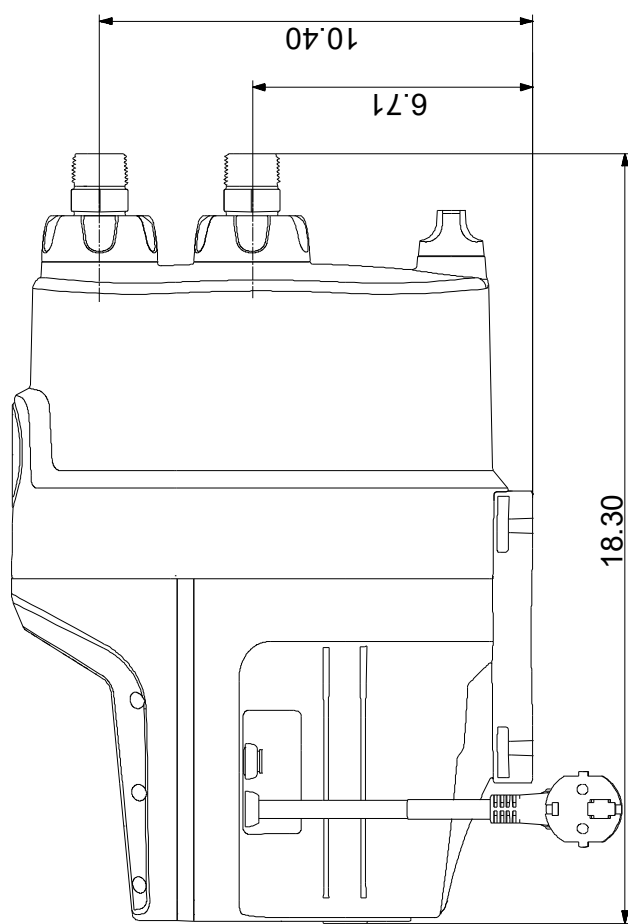
Pumped liquid = Water
Liquid temperature during operation = 140 °F
Density = 61.35 lb/ft³



Description	Value
General information:	
Product name:	SCALA1 3-45
Product No:	99631742
EAN number:	5713832222049
Price:	
Technical:	
Rated flow:	14.9 US GPM
Rated head:	82.02 ft
Maximum head:	150.9 ft
Shaft seal type:	BVBP
Approvals:	CSA,CCSAUS,CSA LLC,PROP65
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:	116.03 psi
Maximum permissible inlet pressure:	43.51 psi
Type of inlet connection:	NPT(M)
Type of outlet connection:	NPT(M)
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:	32 .. 113 °F
Selected liquid temperature:	140 °F
Density:	61.35 lb/ft³
Electrical data:	
Max. P1:	950 W
Rated power - P2:	0.791 HP
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Rated current:	8.62 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Length of power cable:	4.92 ft
Power plug:	Type B (NEMA 5-15) 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
Country of origin:	HU
Custom tariff no.:	8413.70.00.30



99631742 SCALA1 3-45 60 Hz



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