

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

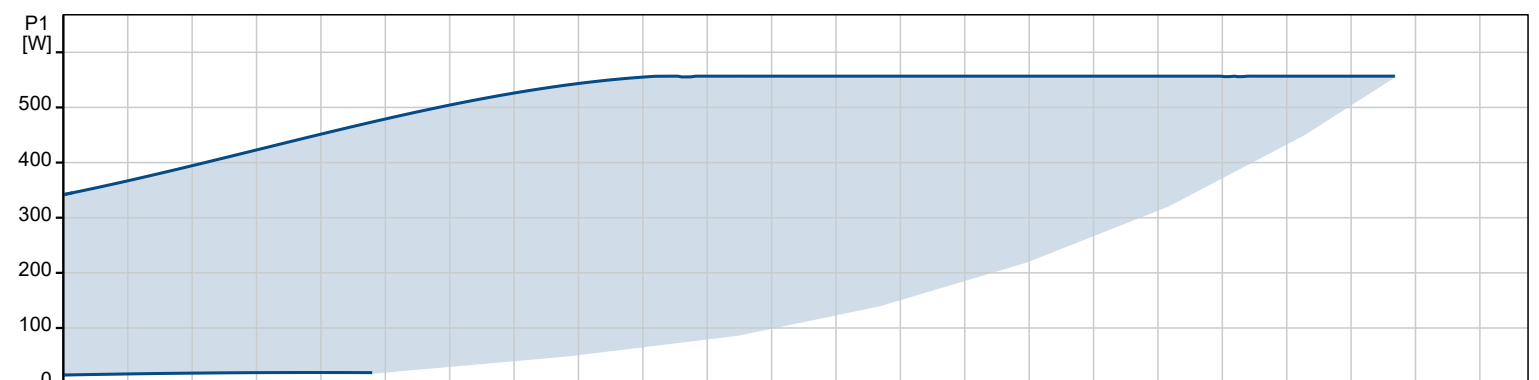
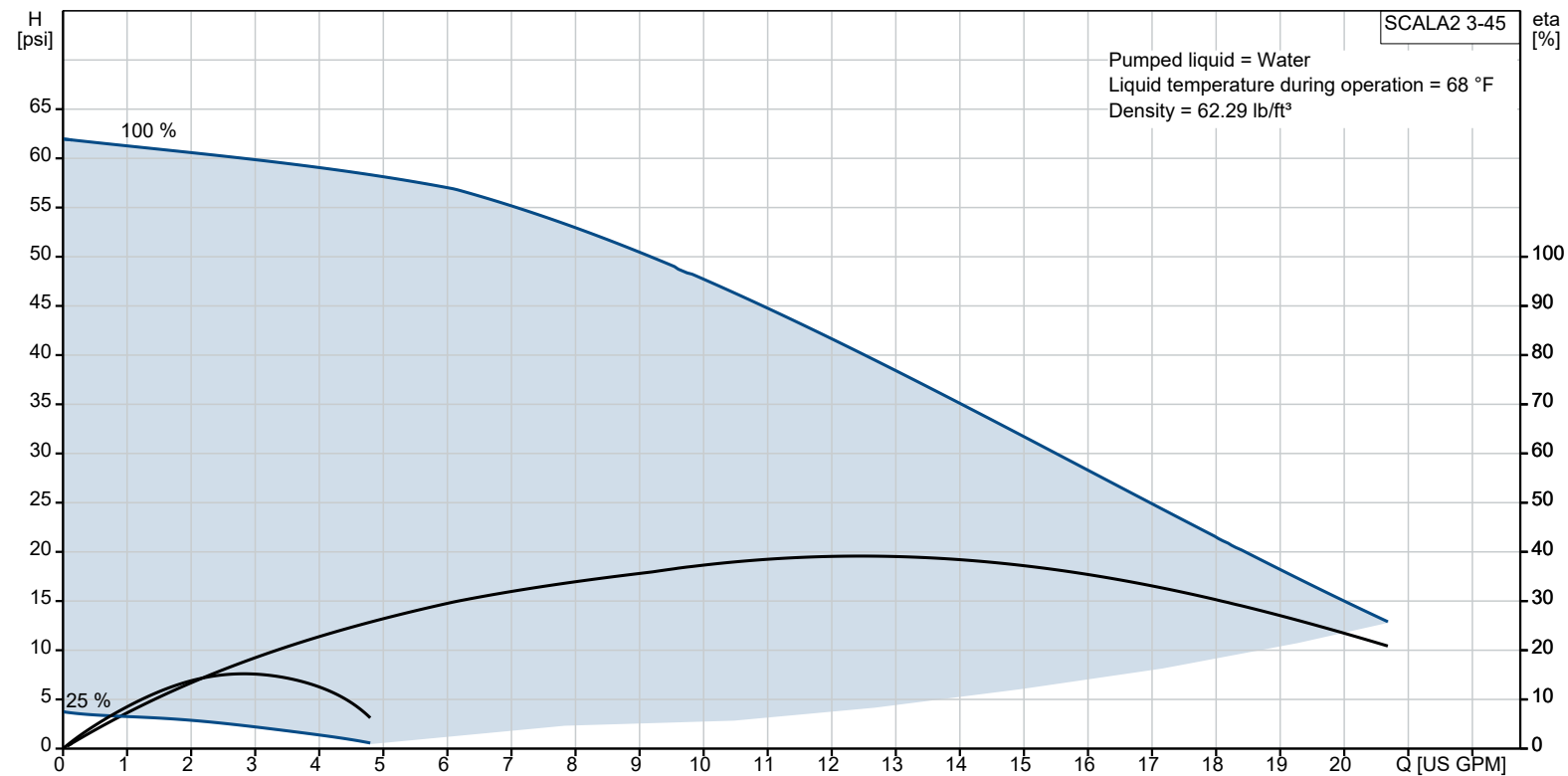


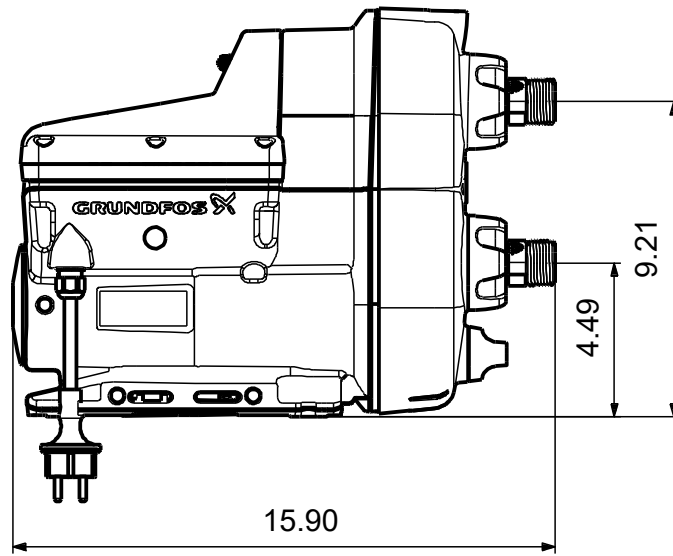
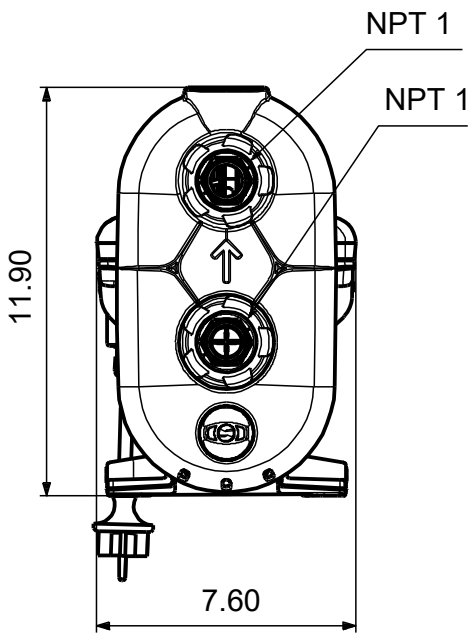
## SCALA2 3-45

SCALA2 is an integrated, self-priming, compact water booster pump. It is designed for perfect pressure inside the home. It's quiet, easy to install, and maintains consistent pressure in all taps at all times.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Efficiency:	%	Liquid temperature range:	32 .. 113 °F	Mains frequency:	60 Hz
Liquid:	Water	Maximum ambient temperature:	113 °F	Enclosure class:	XX
Temperature:	68 °F	Product number:	93013251		
NPSH required:	psi				
Specific Gravity:	1.000				





**Materials:**

Pump housing: Composite

Impeller: Composite

Material code: A

Qty.	Description
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1	SCALA2 3-45
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**Note! Product picture may differ from actual product**

Product No.: [93013251](#)

Grundfos SCALA2 is a fully integrated, self-priming, compact waterworks for pressure boosting in domestic applications. SCALA2 incorporates integrated speed control, enabling perfect pressure at the taps, meaning that the pump performance automatically adjusts according to demand.

SCALA2 can be installed in three easy steps:

1. Connect the pipes.
2. Prime the pump.
3. Plug the pump into the power outlet, and the pump starts.

Grundfos SCALA2 has all the components necessary to ensure comfortable pressure:

- intelligent controller
- integrated speed-controlled drive
- integrated tank
- integrated sensors
- integrated inlet and outlet valves.

SCALA2 features self-priming which enables the pump to extract water from a level below the pump. Once adequately primed, the pump is capable of effortlessly lifting water from depths down to 8 meters in less than 5 minutes. The pump moreover guarantees a dependable water supply in situations where there is a risk of dry running and leakages in the inlet hose or pipes, thereby enhancing the overall reliability of the system.

In the event of dry running, water shortage, extreme temperature or if the pump becomes blocked due to seizure or overload, the pump automatically shuts down, preventing damage or motor burnout.

The pump features an automatic reset function. In case of dry running or similar alarm, the pump stops. The pump attempts to restart every 5 minutes for a total of 8 times. After the 8th attempt, a new restart attempt occurs every 24 hours.

The automatic reset function can be deactivated. Thanks to its hydraulic design, permanent-magnet motor and water cooling, the pump is extremely low-noise, 44 dB(A) in typical use, which makes it suitable for indoor as well as outdoor use. Maximum noise level at full load is 53 dB(A).

The built-in pressure tank reduces the number of starts and stops in case of leakages in the pipe system, thereby prolonging the lifetime of the pump.

Controls:  
 Type of connector: Type B (NEMA 5-15)

Liquid:  
 Pumped liquid: Water  
 Liquid temperature range: 32 .. 113 °F  
 Selected liquid temperature: 68 °F  
 Density: 62.29 lb/ft³

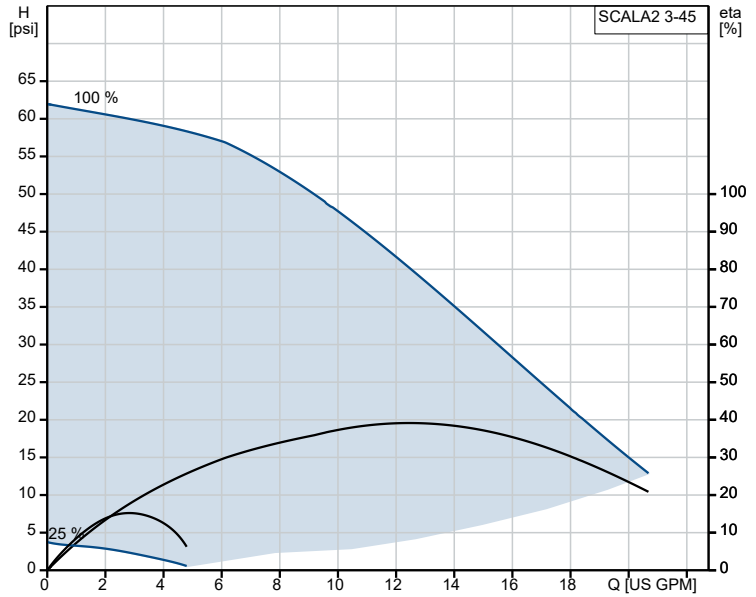
Technical:



**Company name:** Lyall, Thresher & Associates, Inc.  
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**Date:** 04/06/2024

Qty.	Description
1	<p>Rated flow: 13.2 US GPM Maximum flow: 20.3 US GPM Rated head: 38.34 psi Primary shaft seal: Carbon/Ceramic Approvals: cULus Approvals for drinking water: cULus NSF372,cULus DW NSF61 Curve tolerance: ISO9906:2012 3B Max. pump speed: 5200 rpm</p> <p>Materials: Pump housing: Composite NORYL FE1630PW PPE+PS-GS30 Impeller: Composite NORYL FE1630PW PPE+PS-GS30</p> <p>Installation: Range of ambient temperature: 32 .. 113 °F Maximum operating pressure: 145.04 psi Maximum permissible inlet pressure: 87 psi Pipe connection standard: ANSI B1.20.1 Type of inlet connection: NPT(M) Type of outlet connection: NPT(M) Size of inlet connection: 1 inch Size of outlet connection: 1 inch</p> <p>Electrical data: Power input P1: 550 W Rated power - P2: 0.603 HP Mains frequency: 60 Hz Rated voltage: 1 x 115 V Minimum current consumption: 0.2 A Maximum current consumption: 4.9 A Enclosure class (IEC 34-5): XX Enclosure type: 3 Insulation class (IEC 85): F Length of power cable: 6.56 ft Power plug: US plug 115V</p> <p>Others: Net weight: 21.4 lb Gross weight: 26.5 lb Shipping volume: 1.52 ft³ Storage temperature range: -40 .. 158 °F Country of origin: RS Custom tariff no.: 8413.70.2040</p>

Description	Value
<b>General information:</b>	
Product name:	SCALA2 3-45
Product No:	93013251
EAN number:	5715122954968
<b>Technical:</b>	
Rated flow:	13.2 US GPM
Maximum flow:	20.3 US GPM
Rated head:	38.34 psi
Maximum head:	63.89 psi
Primary shaft seal:	Carbon/Ceramic
Approvals:	cULus
Approvals for drinking water:	cULus NSF372,cULus DW NSF61
Curve tolerance:	ISO9906:2012 3B
Model:	2
Max. pump speed:	5200 rpm
<b>Materials:</b>	
Pump housing:	Composite
Pump housing:	NORYL FE1630PW PPE+PS-GS30
Impeller:	Composite
Impeller:	NORYL FE1630PW PPE+PS-GS30
Material code:	A
<b>Installation:</b>	
Range of ambient temperature:	32 .. 113 °F
Maximum operating pressure:	145.04 psi
Maximum permissible inlet pressure:	87 psi
Pipe connection standard:	ANSI B1.20.1
Type of inlet connection:	NPT(M)
Type of outlet connection:	NPT(M)
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	32 .. 113 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Power input P1:	550 W
Rated power - P2:	0.603 HP
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Minimum current consumption:	0.2 A
Maximum current consumption:	4.9 A
Enclosure class (IEC 34-5):	XX
Enclosure type:	3
Insulation class (IEC 85):	F
Length of power cable:	6.56 ft
Power plug:	US plug 115V
<b>Controls:</b>	
Type of connector:	Type B (NEMA 5-15)
<b>Others:</b>	
Net weight:	21.4 lb
Gross weight:	26.5 lb
Shipping volume:	1.52 ft <sup>3</sup>
Sales region:	United States
Storage temperature range:	-40 .. 158 °F
Country of origin:	RS
Custom tariff no.:	8413.70.2040



Pumped liquid = Water  
 Liquid temperature during operation = 68 °F  
 Density = 62.29 lb/ft<sup>3</sup>

