

Submittal Data

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

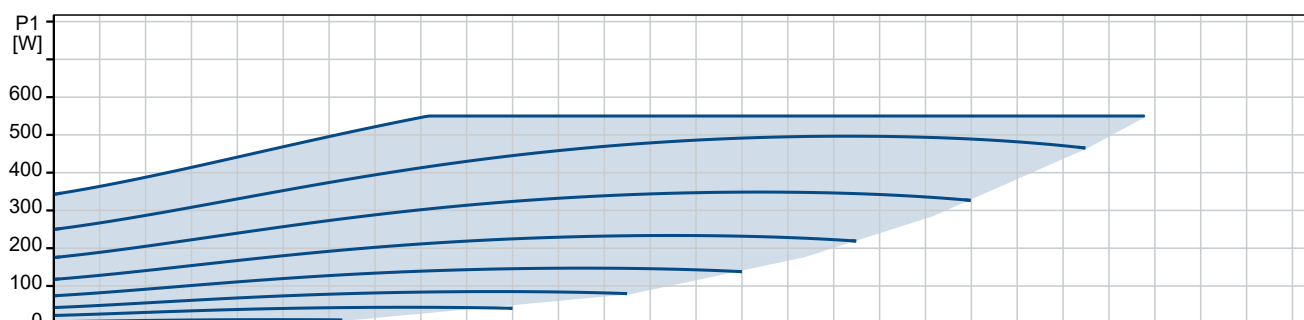
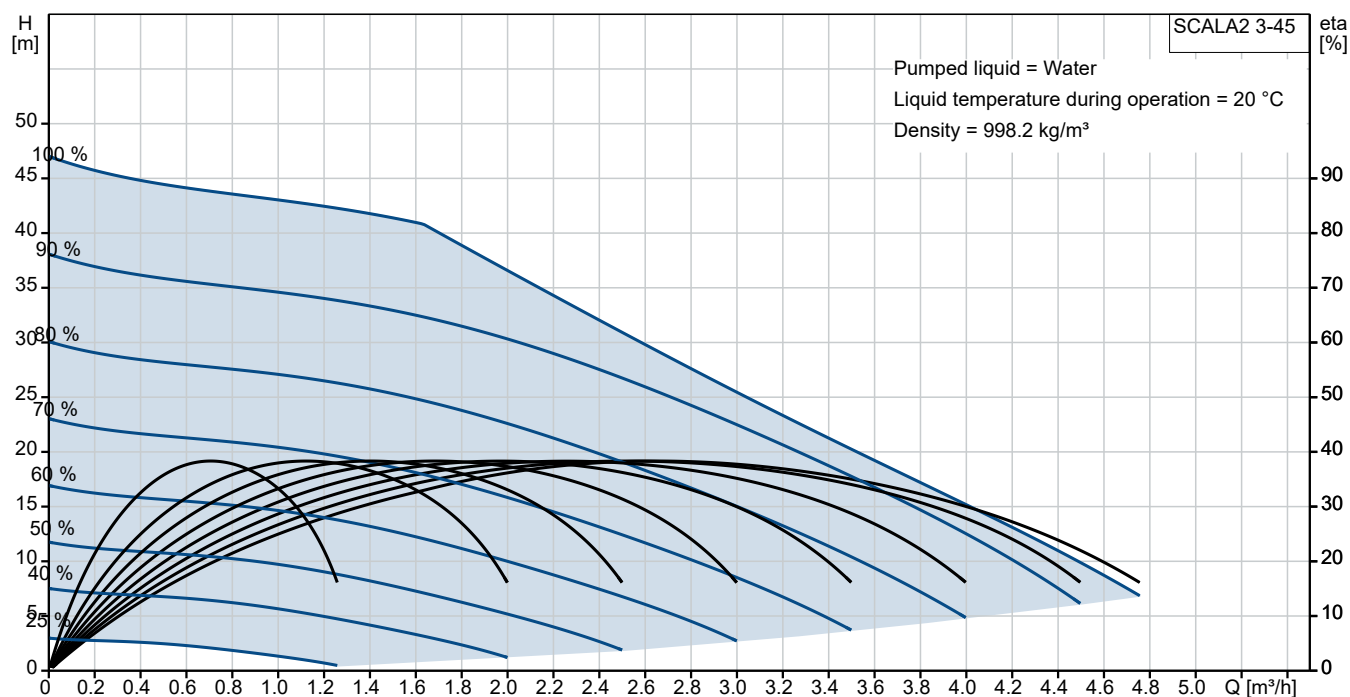


SCALA2 3-45

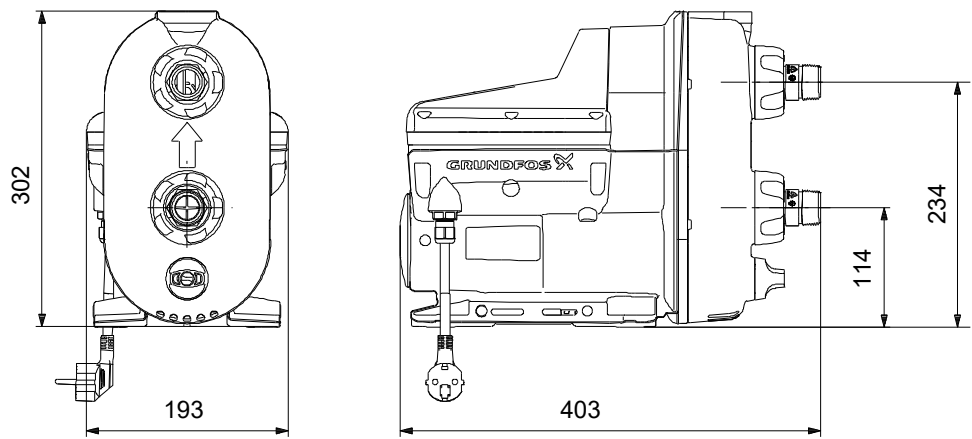
SCALA2 is an integrated, self-priming, compact water booster pump. It is designed for perfect pressure inside the home. It's quiet, easy to install, and maintains consistent pressure in all taps at all times.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	0 .. 45 °C	Mains frequency:	50 / 60 Hz
Temperature:	20 °C	Maximum ambient temperature:	55 °C	Enclosure class:	IPX4D
Specific Gravity:	1.000	Product number:	On request		

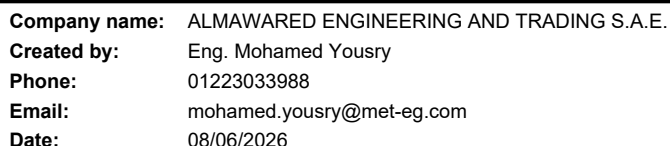


Submittal Data



Materials:
Pump housing: Composite
Impeller: Composite
Material code: A

Qty.	Description
1	SCALA2 3-45  Product No.: On request Grundfos SCALA2 is a fully integrated, self-priming, compact waterworks for pressure boosting in domestic applications. SCALA2 incorporates integrated speed control enabling the keeping of the perfect pressure at the taps, meaning that the pump performance will increase with increasing 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 will start. Grundfos SCALA2 has all the components necessary to ensure a comfortable pressure: • intelligent controller • integrated speed-controlled drive • integrated tank • integrated sensors • integrated non-return valves. As it is self-priming, the SCALA2 is able to pump water from a level below the pump. Provided it is filled with water, the pump is able to 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. If exposed to dry running, water shortage or excessive temperature, blocked pump, for example in case of seizure or overload, the pump will stop automatically, thus preventing a motor burnout. The pump features an automatic reset function. In case of dry running or similar alarm, the pump will stop. Restarting will be attempted every 5 minutes 8 times, there after new restart attempt will occur 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, 47 dB(A) in typical use, which makes it suitable for indoor as well as outdoor use. Max noise level at full load are 53 dB(A) The built-in pressure tank reduces the number of starts and stops in case of leakages in the pipe system, causing less wear on the pump. SCALA2 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 Controls:



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Company name: ALMAWARED ENGINEERING AND TRADING S.A.E.

Created by: Eng. Mohamed Yousry

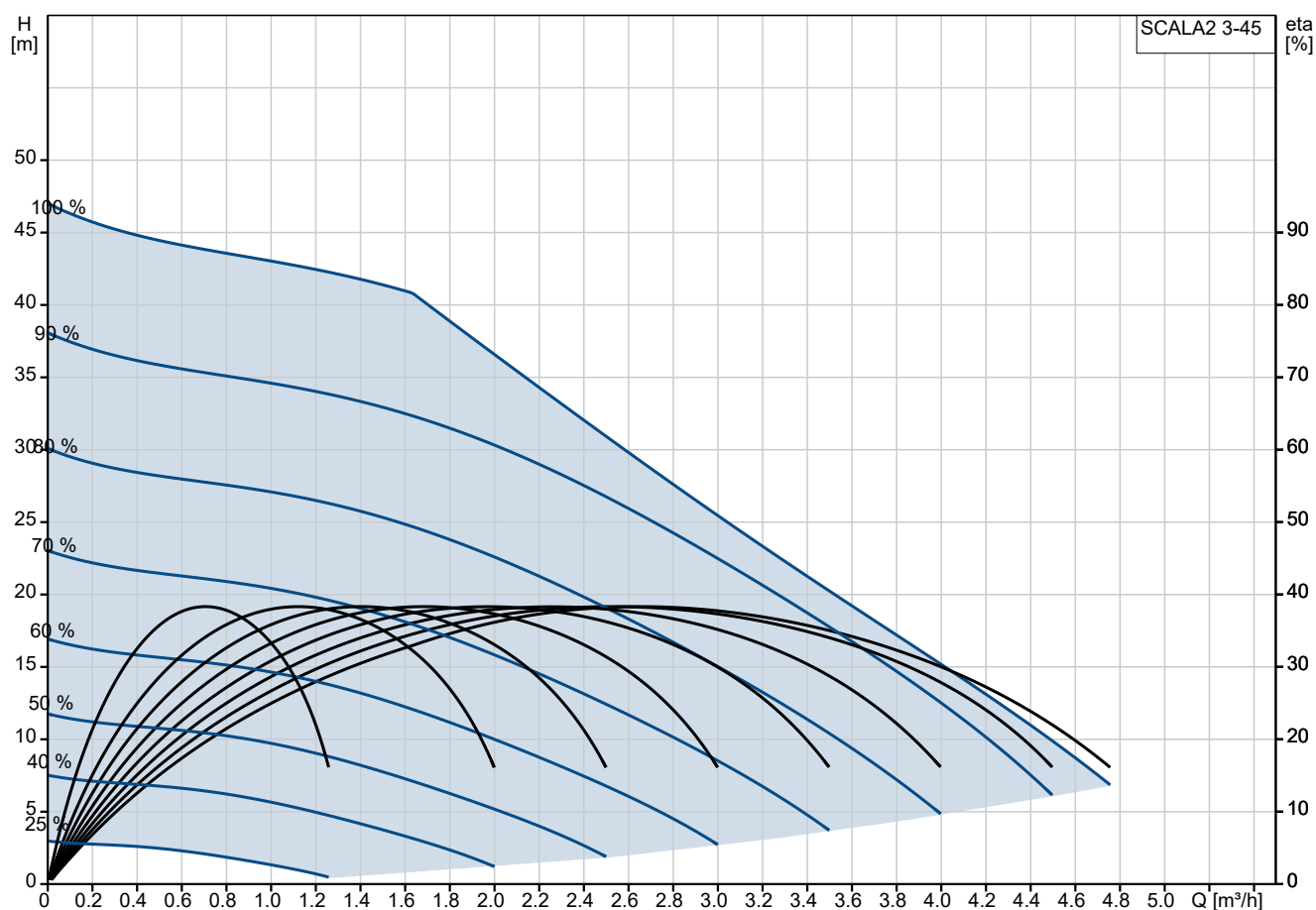
Phone: 01223033988

Email: mohamed.yousry@met-eg.com

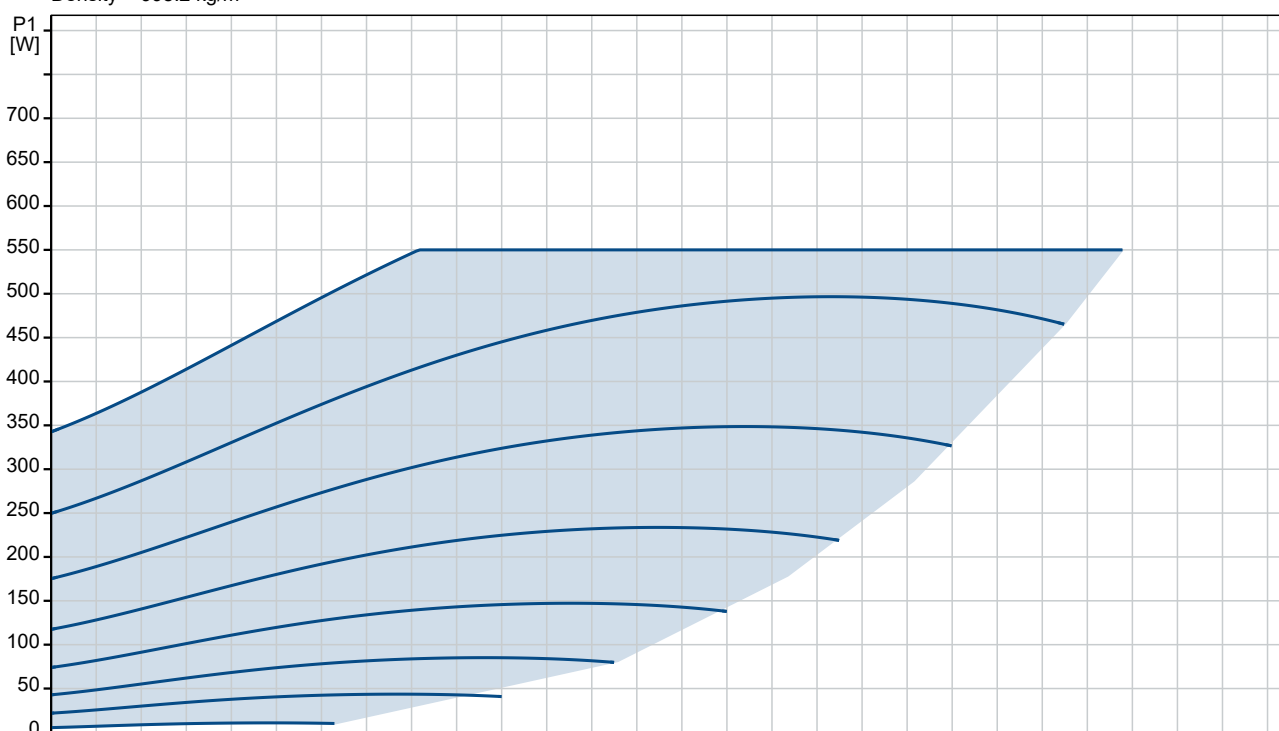
Date: 08/06/2026

Qty.	Description
1	Net weight: 9.5 kg Gross weight: 12.2 kg Shipping volume: 0.043 m³ Storage temperature range: -40 .. 70 °C Finnish LVI No.: 4732505

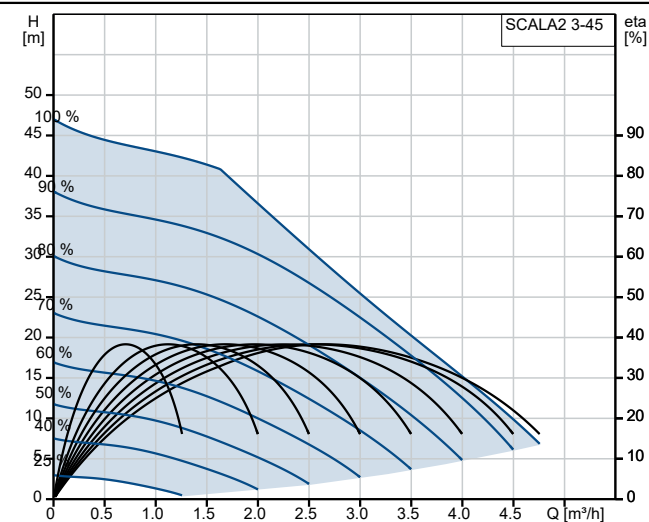
On request SCALA2 3-45



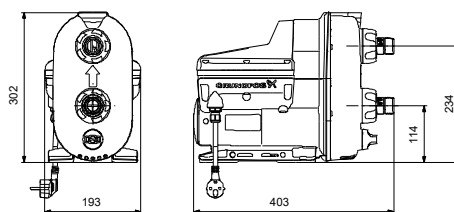
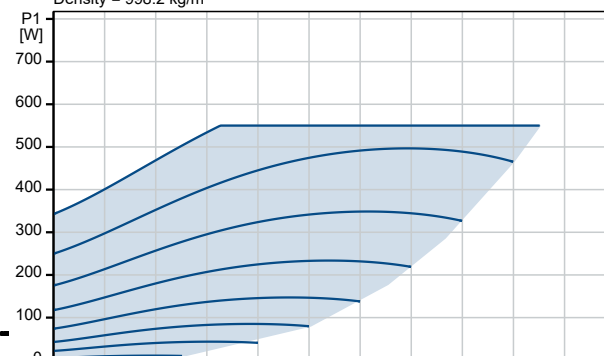
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
Product name:	SCALA2 3-45
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	3 m³/h
Maximum flow:	4.6 m³/h
Rated head:	27 m
Maximum head:	45 m
Primary shaft seal:	Carbon/Ceramic
Approvals:	CE,VDE,MORO,UKCA,KC,SEPR O,AAA
Approvals for drinking water:	WRAS,ACS
Curve tolerance:	ISO9906:2012 3B
Model:	A
Max. pump speed:	5200 rpm
Materials:	
Type key, code for materials:	A
Pump housing:	Composite NORYL FE1630PW PPE+PS-GS30
Impeller:	Composite NORYL FE1630PW PPE+PS-GS30
Material code:	A
Installation:	
Range of ambient temperature:	0 .. 55 °C
Maximum operating pressure:	10 bar
Maximum permissible inlet pressure:	6 bar
Pipe connection standard:	EN 10226-1
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 10
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	0 .. 45 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power input P1:	550 W
Rated power - P2:	0.45 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 200-240 V
Minimum current consumption:	0.01 A
Maximum current consumption:	2.8 A
Enclosure class (IEC 34-5):	IPX4D
Insulation class (IEC 85):	F
Length of power cable:	1.5 m
Power plug:	Schuko plug
Controls:	
Type of connector:	Type E/F (CEE7/7)
Others:	
Net weight:	9.5 kg
Gross weight:	12.2 kg
Shipping volume:	0.043 m³
Storage temperature range:	-40 .. 70 °C



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

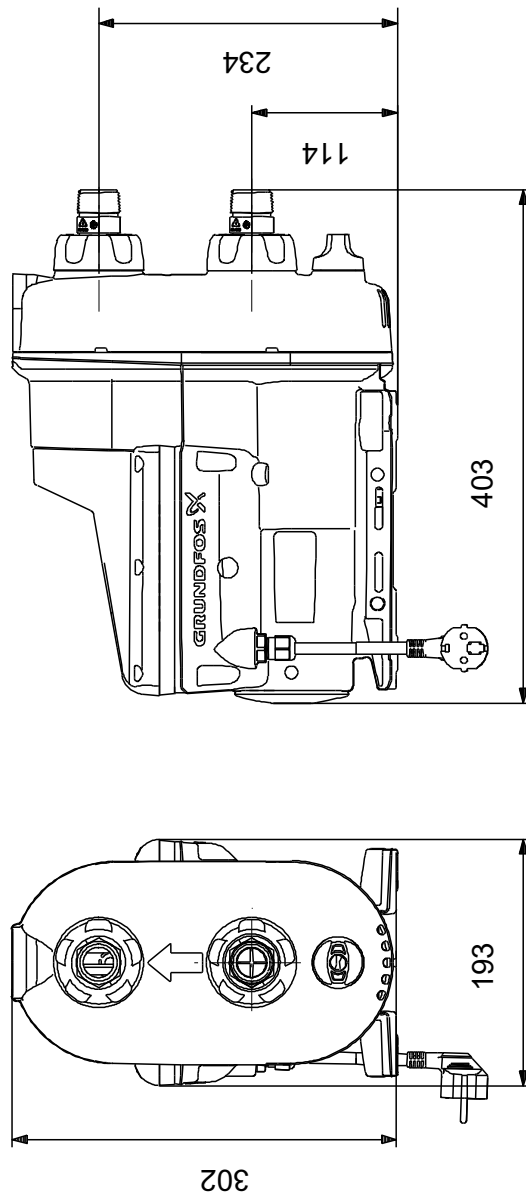




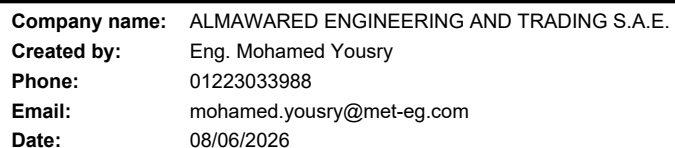
Company name: ALMAWARED ENGINEERING AND TRADING S.A.E.
Created by: Eng. Mohamed Yousry
Phone: 01223033988
Email: mohamed.yousry@met-eg.com
Date: 08/06/2026

Description	Value
Finnish LVI No.:	4732505

On request SCALA2 3-45



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
		SCALA2 3-45	1	On request	