

Qty. Description

1 SCALA2 3-45



Note! Product picture may differ from actual product

Product No.: [93013254](#)

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.

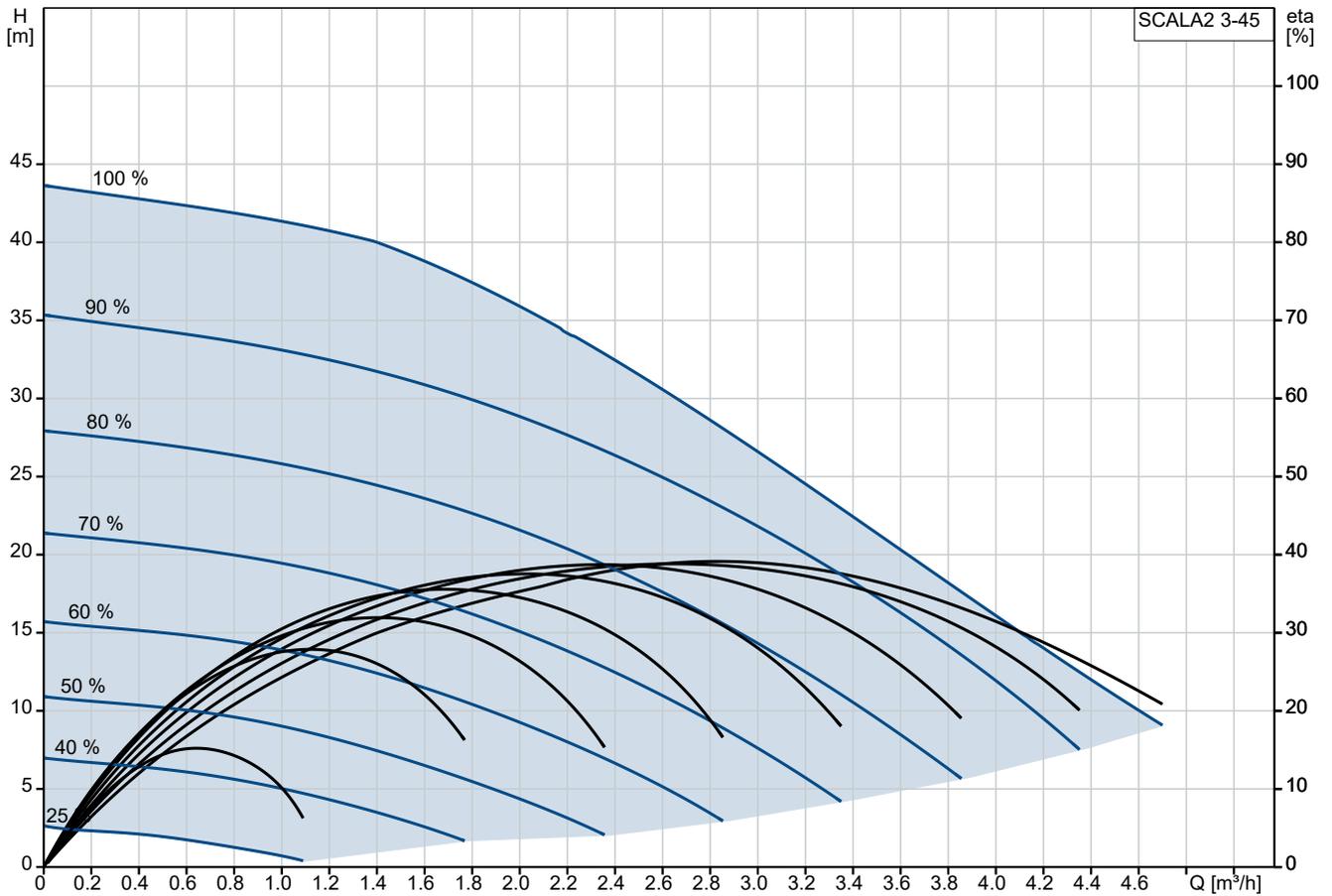
The automatic reset function can be deactivated.

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).

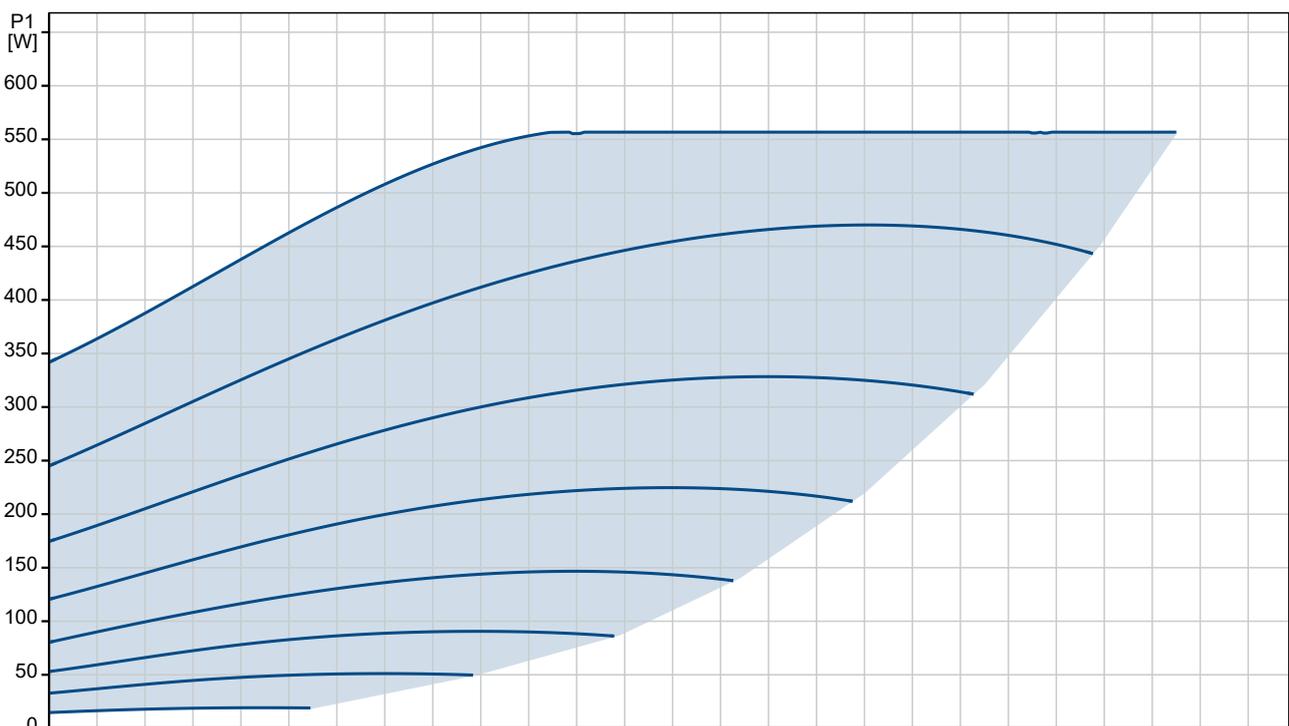
The built-in pressure tank reduces the number of starts and stops in case of leakages in the pipe system, thereby prolonging the lifetime of the pump.

Qty.	Description
1	<p>Controls:</p> <p>Type of connector: No plug</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: 0 .. 45 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m³</p> <p>Technical:</p> <p>Rated flow: 3 m³/h</p> <p>Maximum flow: 4.6 m³/h</p> <p>Rated head: 27 m</p> <p>Primary shaft seal: Carbon/Ceramic</p> <p>Approvals: CE,VDE,UKCA</p> <p>Approvals for drinking water: WRAS,ACS</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Max. pump speed: 5200 rpm</p> <p>Materials:</p> <p>Pump housing: Composite NORYL FE1630PW PPE+PS-GS30</p> <p>Impeller: Composite NORYL FE1630PW PPE+PS-GS30</p> <p>Installation:</p> <p>Range of ambient temperature: 0 .. 55 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Maximum permissible inlet pressure: 6 bar</p> <p>Pipe connection standard: EN 10226-1</p> <p>Type of inlet connection: R</p> <p>Type of outlet connection: R</p> <p>Size of inlet connection: 1 inch</p> <p>Size of outlet connection: 1 inch</p> <p>Electrical data:</p> <p>Power input P1: 550 W</p> <p>Rated power - P2: 0.45 kW</p> <p>Mains frequency: 50 / 60 Hz</p> <p>Rated voltage: 1 x 200-240 V</p> <p>Minimum current consumption: 0.01 A</p> <p>Maximum current consumption: 2.8 A</p> <p>Enclosure class (IEC 34-5): X4D</p> <p>Insulation class (IEC 85): F</p> <p>Length of power cable: 1.5 m</p> <p>Power plug: No plug</p> <p>Others:</p> <p>Net weight: 9.58 kg</p> <p>Gross weight: 11.9 kg</p> <p>Shipping volume: 0.043 m³</p> <p>Storage temperature range: -40 .. 70 °C</p>

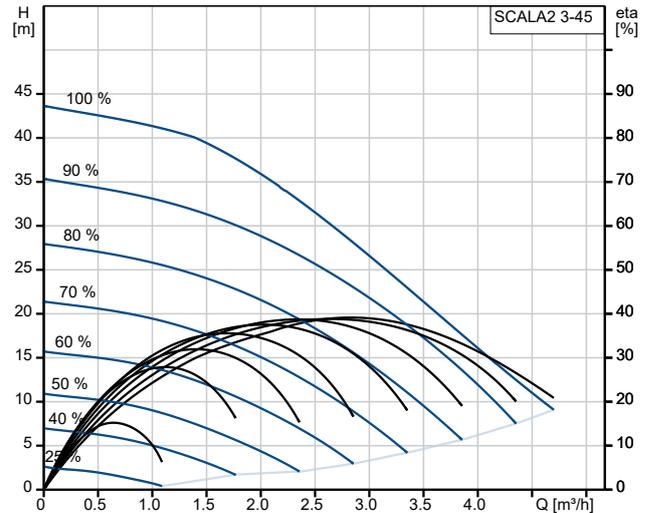
93013254 SCALA2 3-45



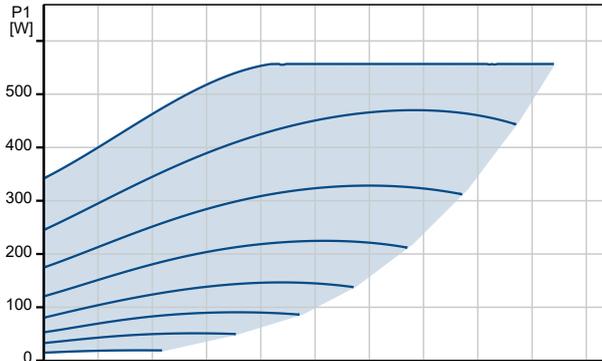
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



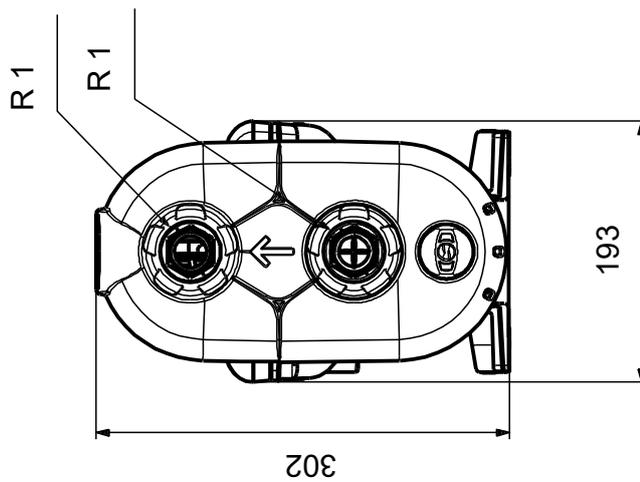
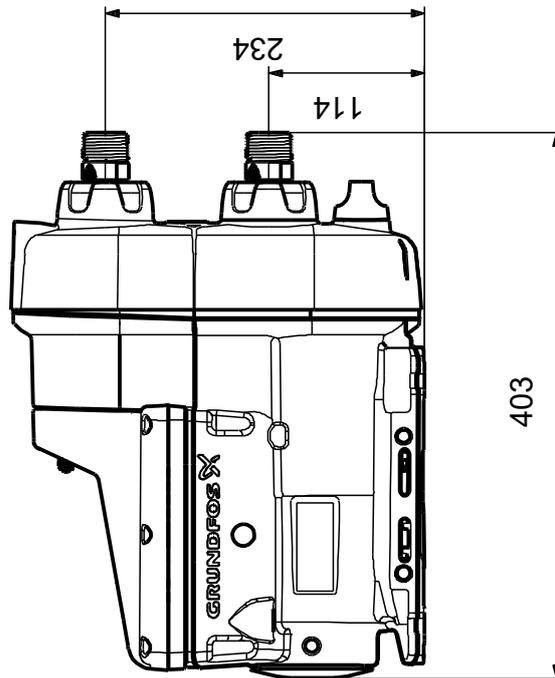
Description	Value
General information:	
Product name:	SCALA2 3-45
Product No:	93013254
EAN number:	5715122954999
Price:	
Technical:	
Rated flow:	3 m ³ /h
Maximum flow:	4.6 m ³ /h
Rated head:	27 m
Maximum head:	45 m
Primary shaft seal:	Carbon/Ceramic
Approvals:	CE, VDE, UKCA
Approvals for drinking water:	WRAS, ACS
Curve tolerance:	ISO9906:2012 3B
Model:	2
Max. pump speed:	5200 rpm
Materials:	
Pump housing:	Composite
Pump housing:	NORYL FE1630PW PPE+PS-GS30
Impeller:	Composite
Impeller:	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
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	0 .. 45 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
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):	X4D
Insulation class (IEC 85):	F
Length of power cable:	1.5 m
Power plug:	No plug
Controls:	
Type of connector:	No plug
Others:	
Net weight:	9.58 kg
Gross weight:	11.9 kg
Shipping volume:	0.043 m ³
Sales region:	APAC
Storage temperature range:	-40 .. 70 °C



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