

# Submittal Data

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

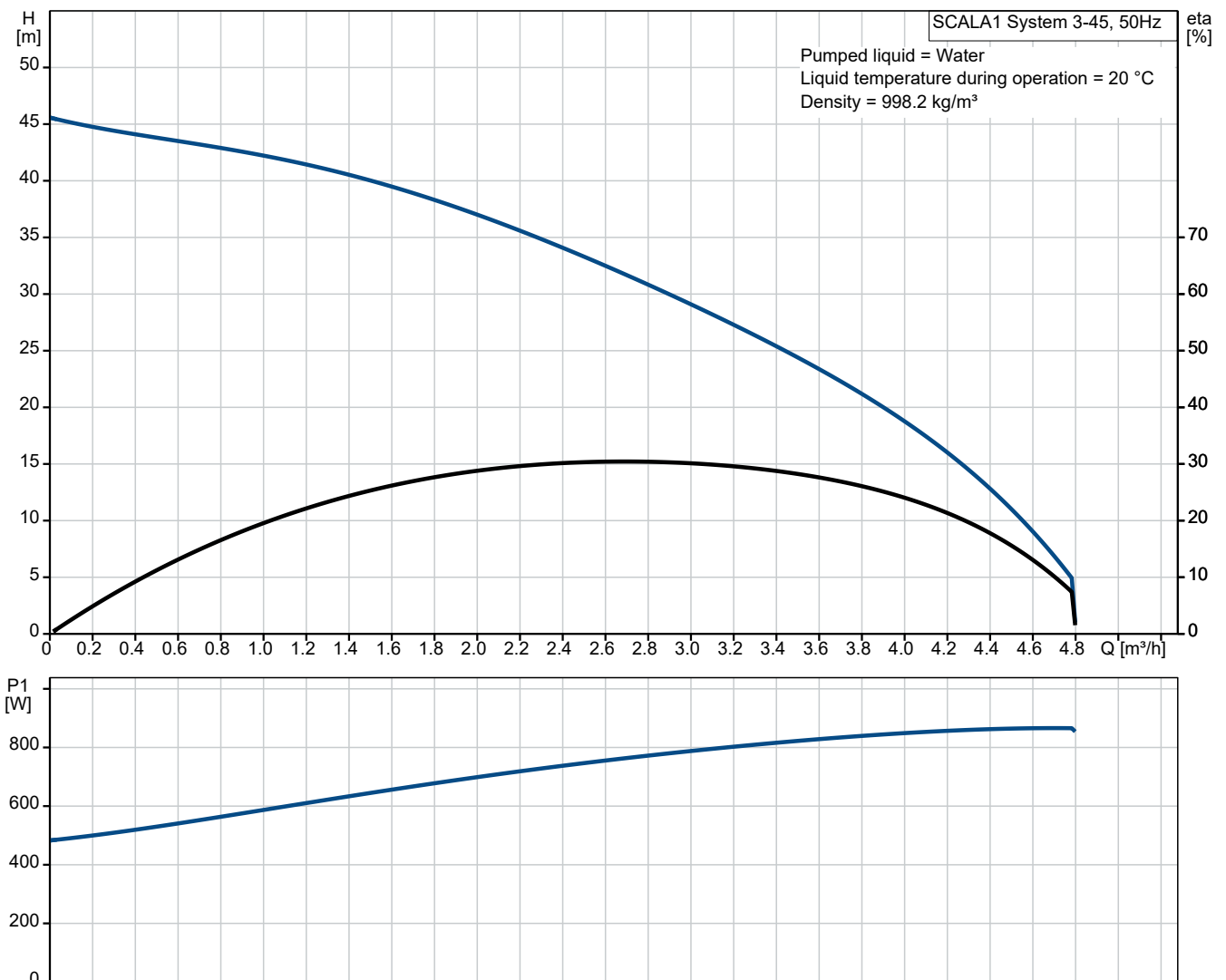
## SCALA1 System 3-45



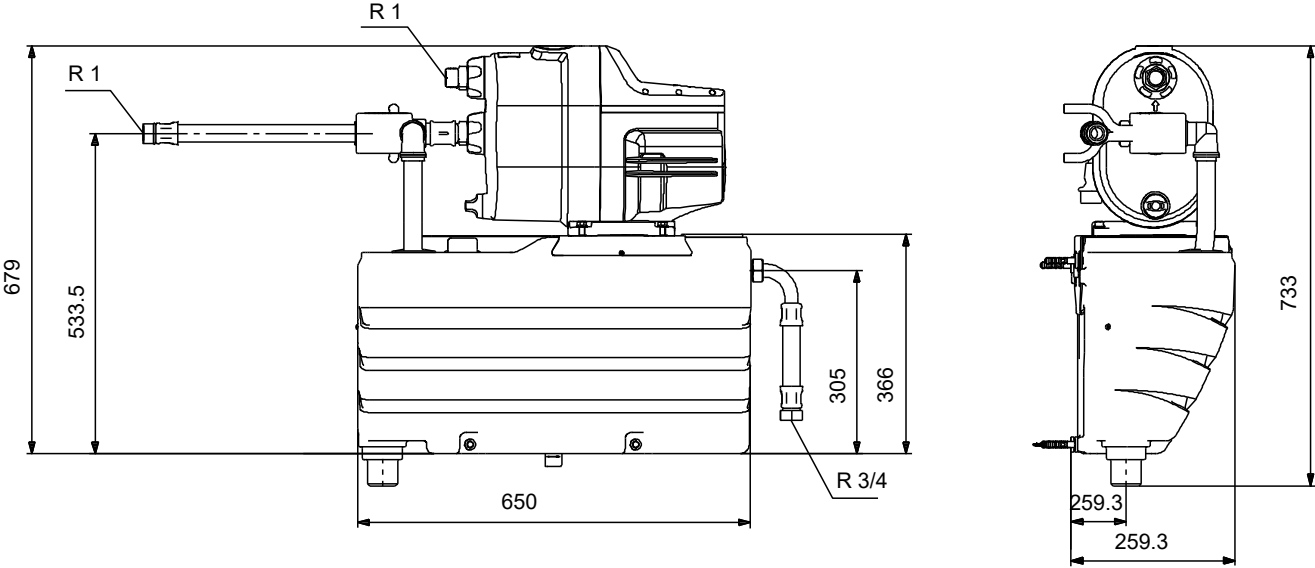
SCALA1 System is a boosting system designed for the management and distribution of rainwater and is suitable for domestic rainwater harvesting, floor cleaning systems and greywater applications.

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 Hz
Temperature:	20 °C	Maximum ambient temperature:	55 °C	Enclosure class:	IP20
Specific Gravity:	1.000	Product number:	On request		



# Submittal Data



**Materials:**  
Pump housing: Composite  
Impeller: Composite

Qty.	Description
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1	<b>SCALA1 System 3-45</b>
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Product No.: On request

The SCALA1 system is a boosting system designed for the management and distribution of rainwater and suitable for domestic rainwater harvesting, floor cleaning systems and greywater applications.

The system consists of the following:

- SCALA1 self-priming pump
- Water tank
- Support and mounting screws
- Hydraulic hoses
- Level sensor with 20 m cable.

The SCALA1 system gives priority to the use of rainwater over tap water.

The system incorporates a backup of mains water supply, which is automatically activated based on the water level inside of the tank.

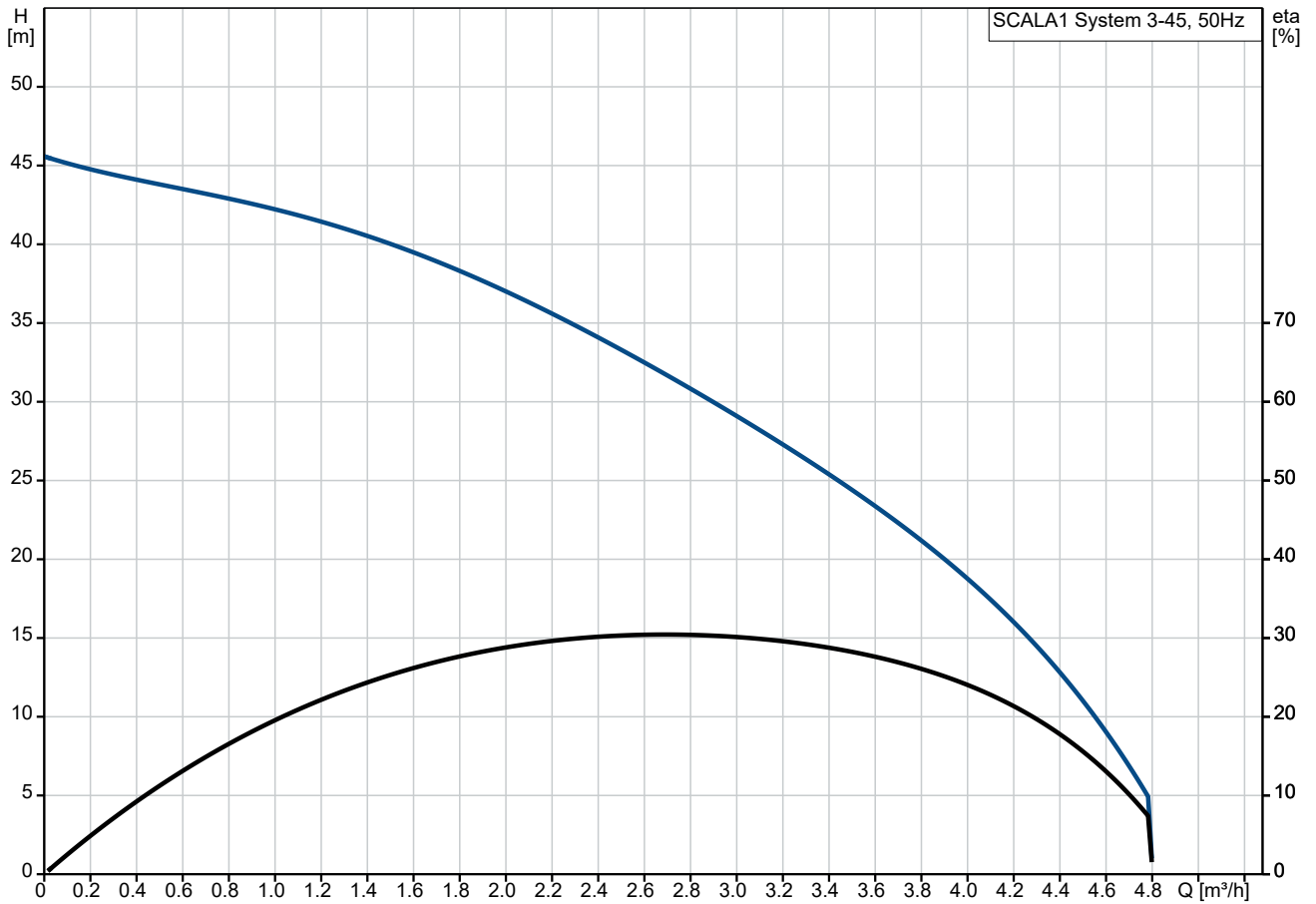
The connection between the integral mains water tank and the suction pipe from the rainwater collecting tank is closed by means of the built-in three-way valve.

There is the ability to override the automatic setting and force supply from water mains if needed.

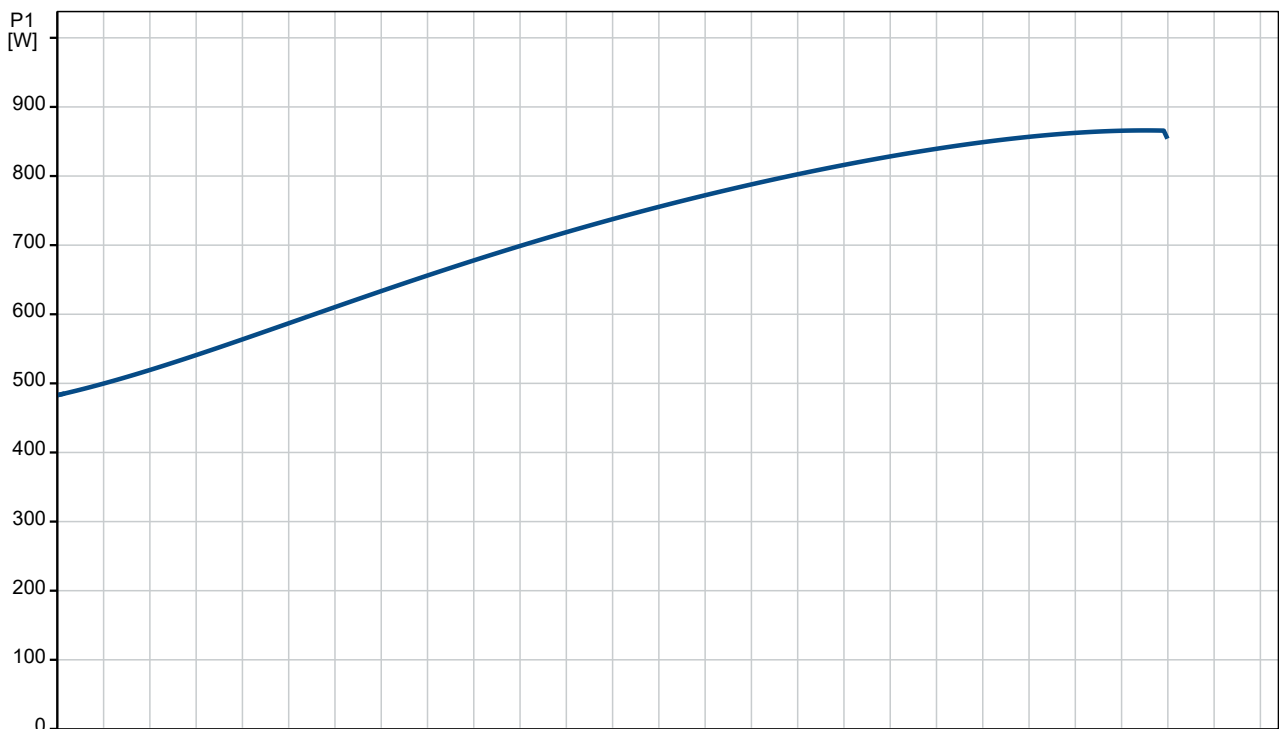
The SCALA1 system installation is in accordance with the EN1717 standard and guarantees the separation between city water mains and the rainwater collection tank, thereby preventing pollution from backflow to the water mains.

The SCALA1 system includes a built-in connectivity platform via the SCALA1 pump which is accessible with Grundfos GO Remote.

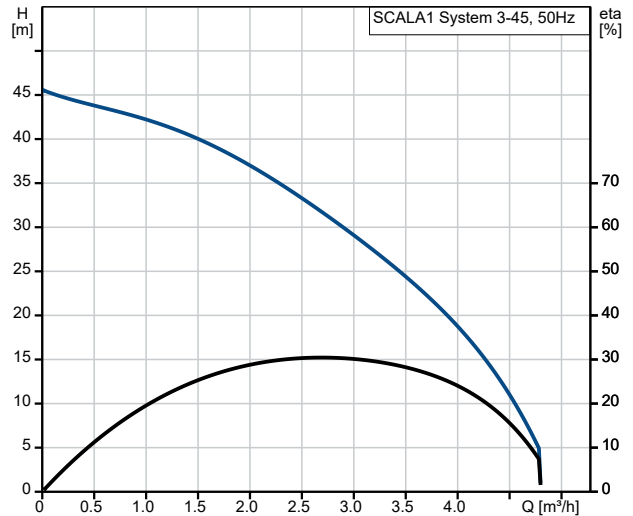
## On request SCALA1 System 3-45 50 Hz



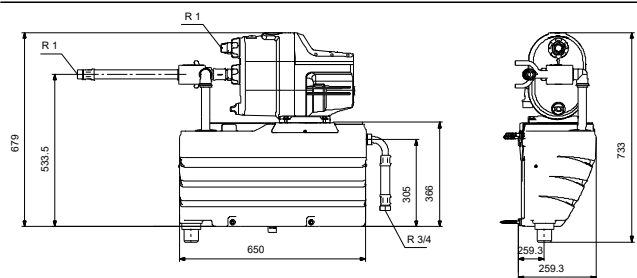
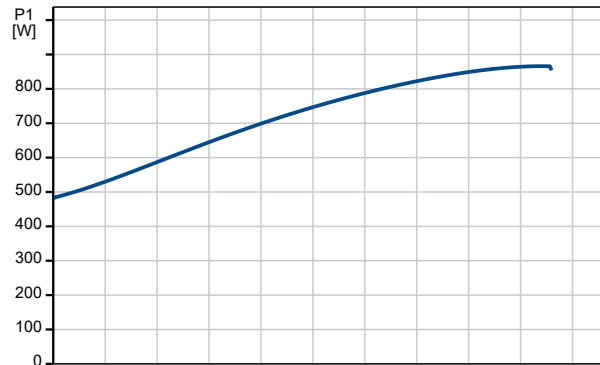
Pumped liquid = Water  
 Liquid temperature during operation = 20 °C  
 Density = 998.2 kg/m³



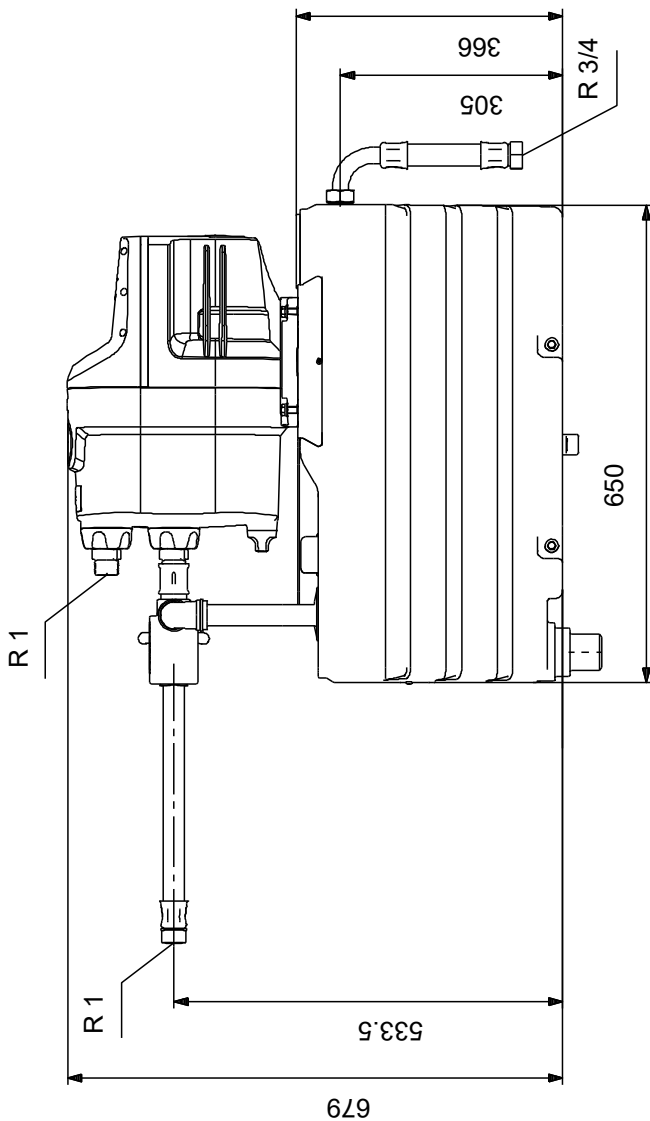
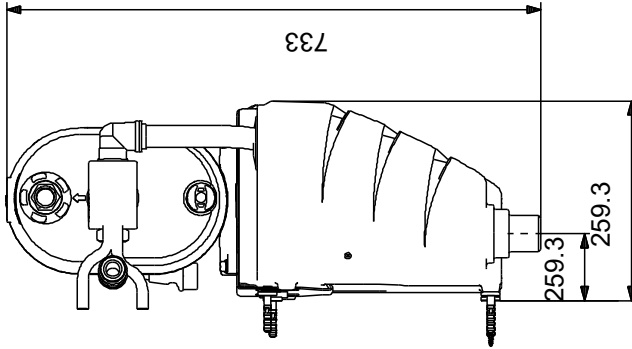
Description	Value
<b>General information:</b>	
Product name:	SCALA1 System 3-45
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Rated flow:	3.59 m <sup>3</sup> /h
Rated head:	25 m
Maximum head:	44 m
Shaft seal type:	BVBP
Approvals:	CE
Curve tolerance:	ISO9906:2012 3B
Model:	A
Start pressure:	2.2 bar
Tank volume:	15 l
<b>Materials:</b>	
Pump housing:	Composite
Pump housing:	Verpleen C30 01 NE ACLKUV
Impeller:	Composite
Impeller:	NORYL FE1520PW PPE+PS-GF20
<b>Installation:</b>	
Range of ambient temperature:	0 .. 55 °C
Maximum operating pressure:	8 bar
Maximum permissible inlet pressure:	3 bar
Pipe connection standard:	ISO 228-1
Type of inlet connection:	R
Type of outlet connection:	R
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	0 .. 45 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Power input P1:	0.9 kW
Rated power - P2:	0.58 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 230 V
Rated current:	3.85 A
Enclosure class (IEC 34-5):	IP20
Insulation class (IEC 85):	F
Length of power cable:	1.5 m
Power plug:	Schuko plug
<b>Controls:</b>	
Type of connector:	Type E/F (CEE7/7)
<b>Others:</b>	
Net weight:	22 kg
Gross weight:	27 kg
Shipping volume:	0.268 m <sup>3</sup>
Storage temperature range:	-40 .. 70 °C
Danish VVS No.:	385183845
Country of origin:	IT
Custom tariff no.:	84137075



Pumped liquid = Water  
Liquid temperature during operation = 20 °C  
Density = 998.2 kg/m<sup>3</sup>



## On request SCALA1 System 3-45 50 Hz



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

