

# Submittal Data

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



# SCALA2 3-45

Selfpriming, constant pressure, multistage water booster pump

Product photo could vary from the actual product

Conditions of Service		Pump Data		Motor Data	
Flow:		Maximum operating pressure:	145 psi	Rated voltage:	115 V
Head:		Liquid temperature range:	32 113 °F	Main frequency:	60 Hz
Efficiency:		Maximum ambient temperature:	113 °F	Enclosure class:	ENCLOSURE TYPE 3
Liquid:	Water	Pipe connection:	NPT 1 Composite	Insulation class:	F
Temperature:	68 °F	Product number:	98562818		
NPSH required:	ft				
Viscosity:					
Specific Gravity:	1.000	-			









# Materials:

Pump housing:	NORYL FE1630PW PPE+PS-GS30
Impeller:	NORYL FE1630PW PPE+PS-GS30
Material code:	А

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Company name: Created by: Phone:

6/12/2017

# **Tender Text**

#### SCALA2 3-45 A

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 attemps 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 maintainance, but it is recommended to keep the pump clean, check the non-return valves and keep the ventilation holes free of dust

#### Liquid:

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

#### Technical:

Rated flow:	13.2 US gpm
Rated head:	88.59 ft
Primary shaft seal:	CARBON/CERAMIC
Approvals on nameplate:	cULus
Approvals for drinking water:	cULus NSF372,cULus DW NSF61
Curve tolerance:	ISO9906:2012 3B

#### Materials:



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Date:

6/12/2017

Pump housing: Impeller: NORYL FE1630PW PPE+PS-GS30 NORYL FE1630PW PPE+PS-GS30

## Installation:

Range of ambient temperature:32 .. 113 °FMaximum operating pressure:145 psiMaximum permissible inlet pressure:87 psiPipe connection:NPT 1 Composite

## Electrical data:

Power input - P1:	550 W
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
Rated current:	4.9 A
Enclosure class (IEC 34-5):	ENCLOSURE TYPE 3
Insulation class (IEC 85):	F
Length of cable:	6.562 ft
Power plug:	Type B (NEMA 5-15)

## Others:

Net weight:	22.1 lb
Gross weight:	28.2 lb
Shipping volume:	1.55 ft <sup>3</sup>
Storage temperature range:	-40 158 °F

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			Date:	6/12/2017
Position	Count	Description	Duto.	0,12,2011
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		Product No.: 98562818		
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		Liquid: Pumped liquid: Water Liquid temperature range: 32 11 Liquid temperature during operation: 68		



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-			<b>Date:</b> 6/12/2017
Position	Count	Description	
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		Technical:	
		Rated flow:	13.2 US gpm
		Rated head:	88.59 ft
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		Approvals on nameplate: Approvals for drinking water:	cULus cULus NSF372,cULus DW NSF61
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		Pump housing: Impeller:	NORYL FE1630PW PPE+PS-GS30 NORYL FE1630PW PPE+PS-GS30
			NORTETET030FWFFE <del>T</del> F3-0330
		Installation:	
		Range of ambient temperature:	
		Maximum operating pressure: Maximum permissible inlet press	145 psi sure: 87 psi
		Pipe connection:	NPT 1 Composite
		Electrical data:	
		Power input - P1: Main frequency:	550 W 60 Hz
		Rated voltage:	1 x 115 V
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		Gross weight: Shipping volume:	28.2 lb 1.55 ft <sup>3</sup>
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