	GRUNDFOS Company name: Created by: Phone:					
		Date:	03/04/2020			
Qty.	Description					
1	SCALA2 3-45 A					
	Product No.: 98562862					
	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.					
	<ul><li>SCALA2 can be installed in three easy steps:</li><li>1. Connect the pipes.</li><li>2. Prime the pump.</li><li>3. Plug the pump into the power outlet and the pump will start.</li></ul>					
	Grundfos SCALA2 has all the components neces to ensure a comfortable pressure: • intelligent controller					
	<ul> <li>integrated speed-controlled drive</li> <li>integrated tank</li> <li>integrated sensors</li> </ul>					
	<ul> <li>integrated non-return valves.</li> </ul>					
	As it is self-priming, the SCALA2 is able to pump water from a level below the pump. Provided it is water, the pump is able to lift water from a depth of 8 m in less than 5 minutes. This facilitates eas start-up of the pump and provides more reliable water supply in installations where there is a risk and leakages in suction hose or pipes.					
	If exposed to dry running, water shortage or exce or overload, the pump will stop automatically, thu	essive temperature, t is preventing a moto	blocked pump, for example in case of seizure r burnout.			
	The pump features an automatic reset function. I Restarting will be attempted every 5 minutes 8 tin The automatic reset function can be deactivated.	mes, there after new				
	Thanks to its hydraulic design, permanent magnet motor and water cooling, the pump is extremely low-noise, 4 dB(A) in typical use, which makes it suitable for indoor as well as outdoor use. Max noise level at full load are 5 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					
	Liquid:WaterPumped liquid:WaterLiquid temperature range:0 45 °CSelected liquid temperature:20 °C					



Company name: Created by: Phone:

Description         Density:       998.2 kg/m³         Technical:       Rated flow:       3 m³/h         Rated flow:       27 m         Primary shaft seal:       CARBON/CERAMIC         Approvals on nameplate:       CE,VDE,MORO,AAA         Approvals for drinking water:       WRAS,ACS         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:       Composite         Pump:       NORYL FE1630PW PPE+PS-GS30         Impeller:       Composite         NORYL FE1630PW PPE+PS-GS30         Installation:         Range of ambient temperature:       055 °C         Maximum operating pressure:       10 bar         Maximum operating pressure:       6 bar         Type of inlet connection:       R         Size of inlet connection:       R         Size of outlet connection:       1 inch         Pressure rating for connection:       PN 10         Electrical data:       Power input - P1:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated current:       2 8 A         Enclosure class (IEC 34-5):       IPX4D	
Technical:       3 m³/h         Rated flow:       3 m³/h         Rated head:       27 m         Primary shaft seal:       CARBON/CERAMIC         Approvals on nameplate:       CE, VDE, MORO, AAA         Approvals for drinking water:       WRAS, ACS         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Composite         Pump:       NORYL FE1630PW PPE+PS-GS30         Impeller:       Composite         NORYL FE1630PW PPE+PS-GS30       Impeller:         Matimum perating pressure:       10 bar         Maximum permissible inlet pressure:       6 bar         Type of inlet connection:       R         Size of inlet connection:       R         Size of outlet connection:       1 inch         Size of outlet connection:       1 inch         Pressure rating for connection:       PN 10         Electrical data:       Power input - P1:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated voltage:       2 m         Power input - Electrical ses (IEC 85):       F         Length of cable:	
Rated flow:3 m³/hRated head:27 mPrimary shaft seal:CARBON/CERAMICApprovals on nameplate:CE, VDE,MORO,AAAApprovals for drinking water:WRAS,ACSCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:Pump housing:CompositePump:NORYL FE1630PW PPE+PS-GS30Impeller:CompositeNORYL FE1630PW PPE+PS-GS30Installation:Range of ambient temperature:0 55 °CMaximum operating pressure:10 barMaximum operating pressure:6 barType of outlet connection:RType of outlet connection:1 inchSize of inlet connection:1 inchSize of outlet connection:1 inchSize of outlet connection:1 inchPressure rating for connection:PN 10Electrical data:Power input - P1:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated voltage:1 x 200-240 VRated voltage:2 mPower plug:Type E/F (CEE7/7)Schuko plugChers:Net weight:9.55 kgGross weight:11.9 kg	
Rated flow:3 m³/hRated head:27 mPrimary shaft seal:CARBON/CERAMICApprovals on nameplate:CE, VDE,MORO,AAAApprovals for drinking water:WRAS,ACSCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:Pump housing:CompositePump:NORYL FE1630PW PPE+PS-GS30Impeller:CompositeNORYL FE1630PW PPE+PS-GS30Installation:Range of ambient temperature:055 °CMaximum operating pressure:10 barMaximum permissible inlet pressure:6 barType of outlet connection:RType of outlet connection:1 inchSize of inlet connection:1 inchSize of outlet connection:PN 10Electrical data:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 35):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:9.55 kgNet weight:9.55 kgGross weight:11.9 kg	
Rated head:27 mPrimary shaft seal:CARBON/CERAMICApprovals on nameplate:CE, VDE, MORO, AAAApprovals for drinking water:WRAS, ACSCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:Pump housing:CompositePump:NORYL FE1630PW PPE+PS-GS30Impeller:CompositeNORYL FE1630PW PPE+PS-GS30Installation:Range of ambient temperature:055 °CMaximum operating pressure:10 barMaximum permissible inlet pressure:6 barType of outlet connection:RType of outlet connection:1 inchPressure rating for connection:PN 10Electrical data:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 34-5):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:Net weight:9.55 kgGross weight:11.9 kg	
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Approvals for drinking water:       WRAS,ACS         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:       Composite         Pump:       NORYL FE1630PW PPE+PS-GS30         Impeller:       Composite         NORYL FE1630PW PPE+PS-GS30         Installation:         Range of ambient temperature:       055 °C         Maximum operating pressure:       10 bar         Maximum permissible inlet pressure:       6 bar         Type of inlet connection:       R         Size of inlet connection:       1 inch         Size of outlet connection:       1 inch         Pressure rating for connection:       PN 10         Electrical data:       Power input - P1:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug       Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Curve tolerance:ISO9906:2012 3BMaterials:CompositePump housing:CompositePump:NORYL FE1630PW PPE+PS-GS30Impeller:CompositeNORYL FE1630PW PPE+PS-GS30Installation:Range of ambient temperature:055 °CMaximum operating pressure:10 barMaximum permissible inlet pressure:6 barType of inlet connection:RType of outlet connection:1 inchSize of outlet connection:1 inchPressure rating for connection:PN 10Electrical data:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:9.55 kgGross weight:11.9 kg	
Materials:       Pump housing:       Composite         Pump:       NORYL FE1630PW PPE+PS-GS30         Impeller:       Composite         NORYL FE1630PW PPE+PS-GS30         Installation:         Range of ambient temperature:       055 °C         Maximum operating pressure:       10 bar         Maximum permissible inlet pressure:       6 bar         Type of inlet connection:       R         Size of inlet connection:       1 inch         Size of outlet connection:       1 inch         Pressure rating for connection:       PN 10         Electrical data:       Power input - P1:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 35):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug       Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Pump housing:CompositePump:NORYL FE1630PW PPE+PS-GS30Impeller:CompositeNORYL FE1630PW PPE+PS-GS30Installation:Range of ambient temperature:055 °CMaximum operating pressure:10 barMaximum permissible inlet pressure:6 barType of inlet connection:RSize of inlet connection:1 inchSize of outlet connection:1 inchPressure rating for connection:PN 10Electrical data:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:Net weight:Net weight:9.55 kgGross weight:11.9 kg	
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NORYL FE1630PW PPE+PS-GS30         Installation:         Range of ambient temperature:       055 °C         Maximum operating pressure:       10 bar         Maximum permissible inlet pressure:       6 bar         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         Electrical data:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug       Chters:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
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Size of outlet connection:1 inchPressure rating for connection:PN 10Electrical data:Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:Net weight:9.55 kgGross weight:11.9 kg	
Pressure rating for connection:PN 10Electrical data:550 WPower input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:Net weight:9.55 kgGross weight:11.9 kg	
Electrical data:         Power input - P1:       550 W         Mains frequency:       50 / 60 Hz         Rated voltage:       1 x 200-240 V         Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:       9.55 kg         Gross weight:       11.9 kg	
Power input - P1:550 WMains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:9.55 kgGross weight:11.9 kg	
Mains frequency:50 / 60 HzRated voltage:1 x 200-240 VRated current:2.8 AEnclosure class (IEC 34-5):IPX4DInsulation class (IEC 85):FLength of cable:2 mPower plug:Type E/F (CEE7/7)Schuko plugOthers:Net weight:9.55 kgGross weight:11.9 kg	
Rated voltage:       1 x 200-240 V         Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:       9.55 kg         Gross weight:       11.9 kg	
Rated current:       2.8 A         Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Enclosure class (IEC 34-5):       IPX4D         Insulation class (IEC 85):       F         Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Insulation class (IEC 85): F Length of cable: 2 m Power plug: Type E/F (CEE7/7) Schuko plug Others: Net weight: 9.55 kg Gross weight: 11.9 kg	
Length of cable:       2 m         Power plug:       Type E/F (CEE7/7)         Schuko plug         Others:         Net weight:       9.55 kg         Gross weight:       11.9 kg	
Power plug:       Type E/F (CEE7/7) Schuko plug         Others:       9.55 kg         Gross weight:       11.9 kg	
Schuko plug       Others:       Net weight:     9.55 kg       Gross weight:     11.9 kg	
Others:Net weight:9.55 kgGross weight:11.9 kg	
Net weight:9.55 kgGross weight:11.9 kg	
Gross weight: 11.9 kg	
Shipping volume: 0.044 m <sup>3</sup>	
Storage temperature range: -40 70 °C	
Danish VVS No.: 385183145	
Swedish RSK No.: 5931159	
Finnish LVI No.: 4732505	
Norwegian NRF no.: 9040011	



## Company name: Created by: Phone:

		Date:	03/04/2020
Description	Value	H [m]	
General information:			
Product name:	SCALA2 3-45 A		
Product No:	98562862	50 -	
EAN number:	5711497234216	45 - 100 %	
	5711497234216		
Technical:	0	40 -	
Rated flow:	3 m³/h	90 %	
Rated head:	27 m	35 -	
Head max:	45 m		
Primary shaft seal:	CARBON/CERAMIC	30 - 80 %	
Approvals on nameplate:	CE,VDE,MORO,AAA	25 -	
Approvals for drinking water:	WRAS,ACS	Z0 %	
Curve tolerance:	ISO9906:2012 3B	20-	
Model:	A	60 %	
Materials:	A	15-	
	Composito	10 -	
Pump housing:			XVIX
Pump:	NORYL FE1630PW PPE+PS-GS30	5 - %	
Impeller:	Composite	0	
	NORYL FE1630PW PPE+PS-GS30	0 0.5 P1 -	1.0 1.5 2.0 2.5 3.0
Material code:	A		
Installation:		600 -	
Range of ambient temperature:	0 55 °C	500	
Maximum operating pressure:	10 bar	500 -	
Maximum permissible inlet pressure:	6 bar	400 - 300 -	
Type of inlet connection:	R		
Type of outlet connection:	R	200 -	
Size of inlet connection:	1 inch	100 -	
Size of outlet connection:	1 inch	0	
Pressure rating for connection:	PN 10		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	0 45 °C		7
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m <sup>3</sup>		
Electrical data:		302	
Power input - P1:	550 W		
Mains frequency:	50 / 60 Hz		
Rated voltage:	1 x 200-240 V		
Rated current:	2.8 A		
Enclosure class (IEC 34-5):	IPX4D	193	
Insulation class (IEC 85):	F	- <b>P</b> j	
Length of cable:	г 2 m		
Power plug:	Z m Type E/F (CEE7/7)		
	Schuko plug		
Others:	0.55 hz		
Net weight:	9.55 kg		
Gross weight:	11.9 kg		
Shipping volume:	0.044 m <sup>3</sup>		
Storage temperature range:	-40 70 °C		
Danish VVS No.:	385183145		
Swedish RSK No.:	5931159		
Finnish LVI No.:	4732505		
Norwegian NRF no.:	9040011		



