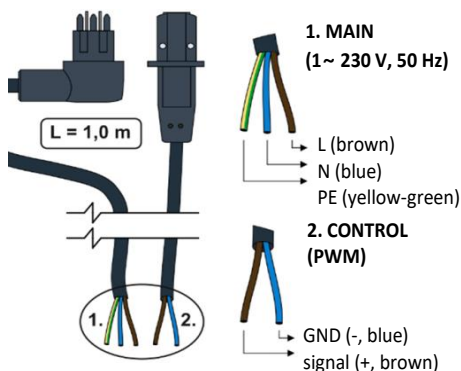


S2 Solar 30 Pump Station, WILO, SRS3 E, 2-12 l/min, Cu 22



Connection of WILO Yonos Para Pump



Pump power supply cables and PWM control cables are included in supply.

Main features	
Application	for solar circuits
Description	consists of WILO Yonos PARA ST 25/7 circulation pump, SRS3 E solar controller, flow rate indicator, safety valve with pressure gauge, air separator, 2 ball valves with thermometers, insulation
Working fluid	water / glycol mixture (max. 1:1)
Installation	solar return line
Code	14872

Pump Station Data	
Fluid working temp.	0 - 110 °C
Max. working pressure	6 bar
Max. power consumption	45 W
Max. head	7.3 m
Max. ambient temp.	40 °C
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	360 x 470 x 165 mm
Pipe pitch	125 mm
Total weight	6.7 kg
Connection	4 x Cu 22

Pump Station Energy Data*	
Psol,pump ¹	22 W
Psol,standby ²	1,5 W
Qaux ³	57 kWh/year

* as per Commission Delegated Regulation 811/2013
1) pump power consumption, 2) standby power consumption, 3) auxiliary electricity consumption

WILO Yonos PARA ST 25/7 Circulation Pump	
Electric Data	
Power supply	230 V, 50 Hz
Power consumption (min./max.)	3 / 45 W
Current (min./max.)	0.03 / 0.44 A
IP rating	IPX4D
Motor protection	integrated

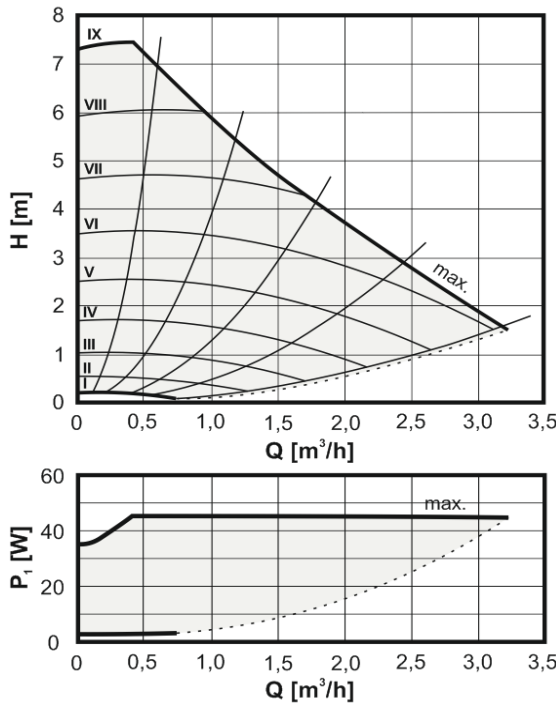
Operating Data	
Fluid working temp.	-10 to 110 °C
Max. working pressure	10 bar
Max. speed	4660 rpm
Energy Efficiency Index	≤ 0.20
Max. ambient temperature	55 °C
Max. relative humidity	resistant to condensing humidity

Min. pressures at pump suction port to avoid cavitation	
50 / 95 / 110 °C	0.5 / 4.5 / 11 mH ₂ O

Pump Control Data	
Control signal	PWM
Signal frequency range	0.1 to 5 kHz (1 kHz nominal)
Signal amplitude	3.6 V (3 mA) to 24 V (7.5 mA)

S2 Solar 30 Pump Station, WILO, SRS3 E, 2-12 l/min, Cu 22

Pump Performance Curves



	n [1/min]	PWM [%]
I	800	15
II	1283	25
III	1765	35
IV	2248	45
V	2730	55
VI	3213	65
VII	3695	75
VIII	4178	85
IX	4660	≥ 95



SRS3 E Controller

Electric Data

Power supply	230 V, 50 - 60 Hz
Power consumption	~ 1.5 VA
Internal fuse	2 A / 250 V, slow-blow
IP rating	IP40
Protection class	II

Ambient Conditions

Ambient working temp.	0 - 40 °C
Ambient air rel. humidity	max. 85 % at 25 °C

Inputs and outputs

Mechanical relay	2 x (460 VA for AC1/460 W for AC3)
PWM	1 x (10 V voltage, 1 kHz frequency)
Pt 1000	4 x (measurement range -40 to 300 °C)

Flow rate indicator

Description	intended for flow rate indication and system filling/draining using ball valves (2 x G 3/4" M)
Fluid working temp.	120 °C (max. 160 °C for 20 s)
Max. working pressure	10 bar
Measurable flow rate range	2 to 12 l/min
Connection	G 3/4" M x G 6/4" F

Safety valve

Opening pressure	6 bar
Max. working temperature	-20 to 160 °C
Connection	G 1/2" F x G 3/4" F