S2 Solar 3 Pump Station, UPM3, 8-28 l/min, G 1"

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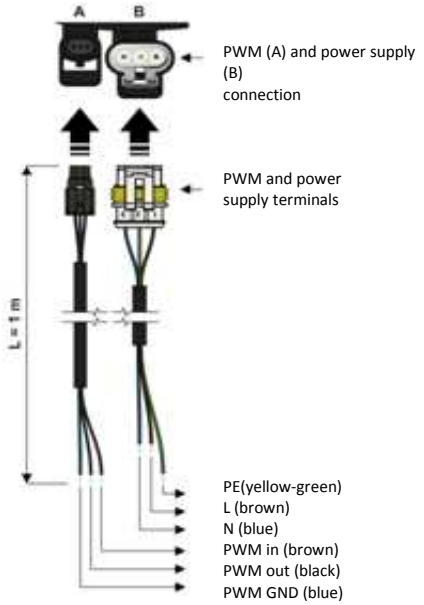
Connection of UPM3 SOLAR pump



Application	for solar circuits
Description	consists of UPM3 SOLAR 25-75 180 circulation pump, 2 ball valves with thermometers, flow regulator, air separator, safety valve with pressure gauge and insulation
Installation	pump on solar circuit return
Working fluid	water-glycol mixture (max. 1:1)
Code	**14 867**

Pump Station Data	
Fluid operating temperature	2 to 120 ℃
Max. working pressure	6 bar
Max. power input	45 W
Max. head	7.5 m
Max. ambient temperature	60 ℃
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	350 x 460 x 150 mm
Pipe pitch	125 mm
Total weight	6 kg
Connection	4 x G 1" M

UPM3 SOLAR 25-75 180 Circulation pump	
Electric Data	
Power supply	230 V, 50 Hz
Power input (min./max.)	4 / 45 W
Current (min./max.)	0.04 / 0.48 A
IP rating	IPX4D
Motor protection	not needed
Operating Data	
Fluid operating temperature	2 to 130 ℃
Max. working pressure	10 bar
Max. speed	5991 rpm
Min. pressures at the	0.5 bar at fluid temp. 95 ℃
Weighted average power	≤ 20 W
Energy Efficiency Index	≤ 0,20
Max. ambient temperature	60 ℃
Max. relative humidity	95 % non condensing

Power supply cables and PWM cables are included in supply.

Selected profile display during pump operation

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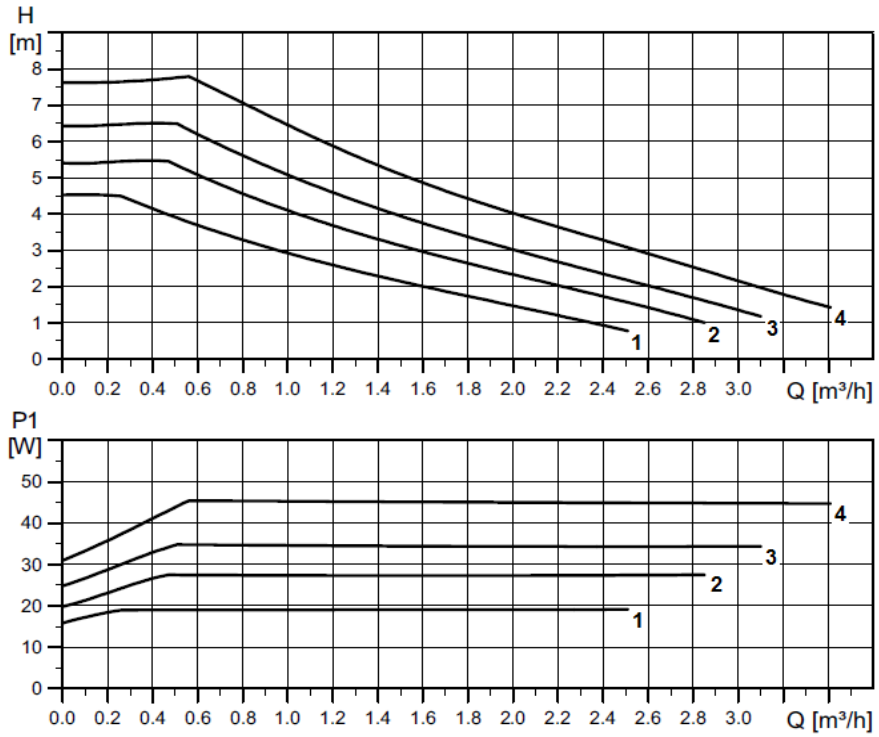
Performance curves of UPM3 SOLAR 25-75 180 pump



Curve	Max. H	Max. P_1
1	4,5 m	19 W
2	5,5 m	28 W
3	6,5 m	35 W
4	7,5 m	45 W

Flow regulator

Flow regulator	
Description	designed for flow rate setting and system filling/draining through ball valves (2 x G 3/4" M)
Fluid operating temperature	120 ℃ (max. 160 ℃ for 20 s)
Max. working pressure	10 bar
Measurable flow rate range	8 to 28 l/min
Connection	G 1" M x G 6/4" F

Safety valve

Safety valve	
Opening pressure	6 bar
Max. operating temperature	-20 to 160 ℃
Working fluid	water-glycol mixture (max. 1:1)
Connection	G 1/2" F x G 3/4" F