Non contractual pictures

Para G 15-130/8-60/IPWM1-12/O

The OEM solution for geothermal application.

Construction

Glandless circulation pump with a cast iron pump housing, corrosion-protected motor housing and screws, threaded connection.

Type key

Example:	Para G 15-130/7-50/SC-12
Para	Electronically controlled high-efficiency pump. Pump range adapted to requirements of the OEM market.
G	Dedicated to geothermal application
15-130	Nominal diameter - Pump housing length (inline cast iron)
7-50	Nominal delivery head range [m] - Power consumption [W]
SC	SC = self controlled pump ; Δp-v, Δp-c, constant speed I, II, III iPWM = the pump is controlled by an external system via iPWM1 signal LIN = the pump is controlled by an external system via Lin Bus Communication
12	Position of electronic module

Your advantages

- → High integration flexibility due to compatibility with former standard and high-efficiency series and a wide range of specific pump housings
- → Easy installation thanks to a compact and standardised design with a front access to signal connector and screws
- → Exists in 3 different control modes to respond better to your specific needs:
  - → Self-controlled (SC) version allowing several regulation modes and settings, easy to handle thanks to the green push button combined with a LED interface
  - → External control mode through iPWM signal for direct information on pump status and power information directly from the pump itself
  - → External LIN control mode allowing many data exchanges between the pump and the appliance to go a step further on digitalisation
- → High system protection due to functionalities such as air venting, manual restart as well as reset to factory settings upon control mode
- → Protection of the motor housing and screws against corrosion

Technical data (type)	
Approved liquids (other liquids upon request)	
Heating water (as per VDI 2035)	yes
Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)	yes
Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	95 °C
Min. ambient temperature T_{min}	-20.0 °C
Max. ambient temperature T_{max}	70.0 °C
Maximum operating pressure *PN*	10 bar
Min. suction head (to avoid cavitation at suction port at water pumping temperature)	
Minimum suction head at 50 °C *m*	0.5 m
Minimum suction head at 95 °C *m*	4.5 m
Motor data	
Energy efficiency index (EEI)	≤ 0.20

Pump operation in high ambient / fluid temperature may affect hydraulic performance. 0°C or negative water temperature implies to have adapted frost protection mixture. For further information please contact Wilo.

Technical data (type)	
Mains connection	1~230V +10/-15%, 50/60Hz
Approvals and markings	CE / EAC / UA / UKCA
Insulation class	F
Motor protection	integrated
Power consumption $P_{1\,min}$	2 W
Power consumption $P_{1\,max}$	60 W
Max current I_{max}	0.55 A
Protection class	IPX4D
Power consumption in standby mode *P1*	≤ 0.5 W
Materials	
Pump housing	Cast iron with cataphoresis treatment
Impeller	PP-GF40
Shaft	Stainless steel
Bearing	Carbon

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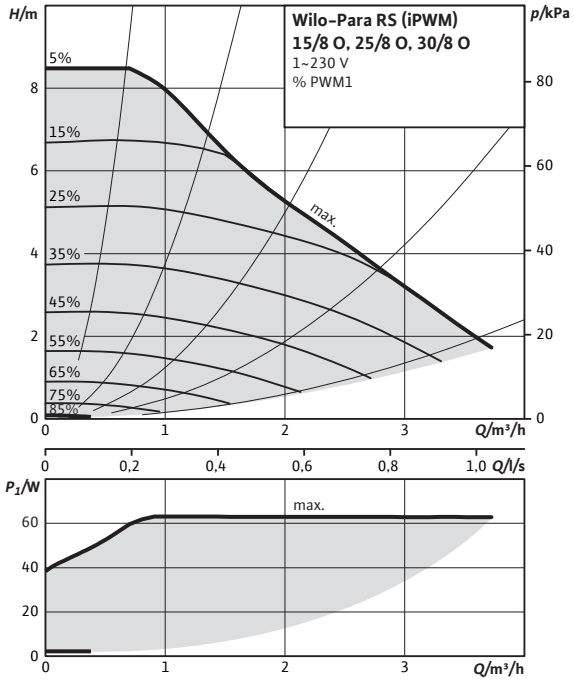
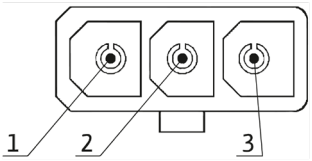
Pump curve

Wilo-Para RS (iPWM) 15/8 O, 25/8 O, 30/8 O



Connector diagram

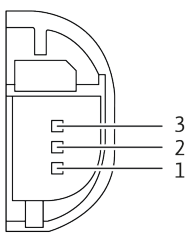
Power – Integrated 3-way connector type Molex 5025-03 for plug Facon PR60 or equivalent



1. L
2. Neutral
3. PE

Connector diagram

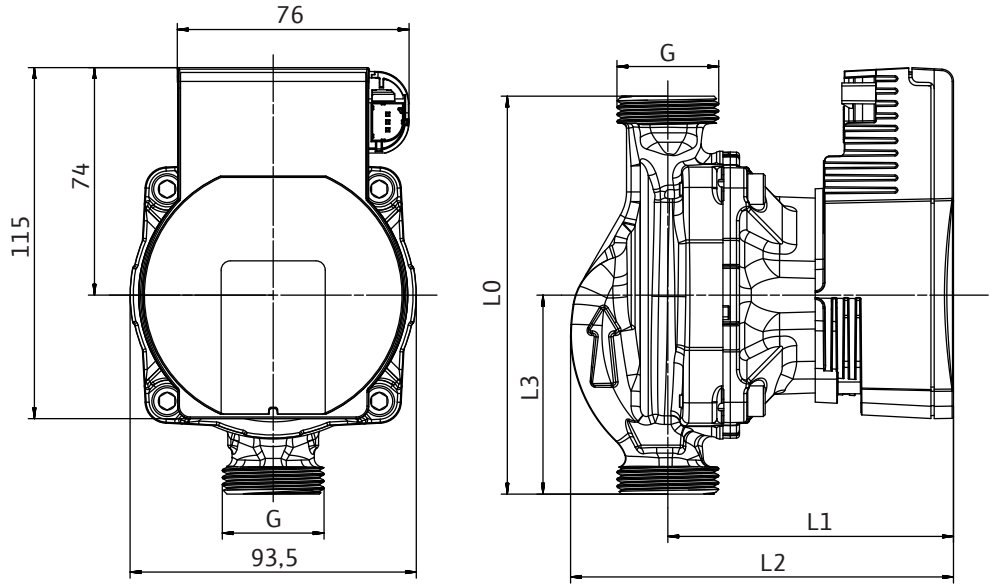
Signal – Wilo-iPWM/LIN (WPL) connector for plug Facon PR72 or equivalent



1. Vbus (LIN) / PWM input from controller (iPWM)
2. GND
3. LIN signal (LIN) / PWM output from the pump (iPWM)

Dimension drawing (variable)

Wilo-Para RS iPWM/LIN/STG

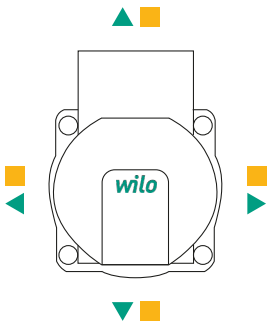


Technical data

Name	Para G 15-130/8-75/iPWM1-12	Para G 25-130/8-75/iPWM1-12	Para G 25-180/8-75/iPWM1-12	Para G 30-180/8-75/iPWM1-12
Connection input	G 1	G 1½		G 2
Connection output	G 1	G 1½		G 2
Port-to-port length *L0*	130 mm		180 mm	
Dimensions *L1*	105 mm			
Dimensions *L2*	137 mm	138 mm		
Dimensions *L3*	65 mm		90 mm	
Gross weight, approx. *m*	1.7 kg	1.8 kg	2 kg	2.1 kg

Flow and terminal box orientations

The flow direction and the position of the terminal box can be independently specified



Allowed positions

Flow

Terminal box