



Non contractual pictures

Para STG 15-130/7-50/12



The highly versatile OEM solution.

Construction

Glandless circulation pump with a cast iron pump housing and corrosion-protected motor housing and screws. High-efficiency motor with automatic power adjustment and self-protecting modes. The one fits all solution which keeps your business running.

Type key

Example:	Para STG 15-130/7-50/12
Para	Electronically controlled high-efficiency pump. Pump range adapted to requirements of the OEM market.
STG	The pump can be either self-controlled (SC) with the green push button (Δp -c, constant speed I, II, III) or externally controlled through the signal iPWM
15-130	Nominal diameter – Pump housing length (inline cast iron)
7-50	Nominal delivery head range [m] – Power consumption [W]
12	Position of electronic module

Your advantages

- High integration flexibility due to compatibility with former standard and high-efficiency series
- Easy installation thanks to a compact and standardised design with a front access to the signal connector and screws
- Easy handling and commissioning with the green push button and a LED interface
- High system protection due to integrated functionalities such as air venting, manual restart as well as reset to factory settings
- 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}	110 °C
Min. ambient temperature T_{min}	-20.0 °C
Max. ambient temperature T_{max}	70.0 °C
Maximum operating pressure P_N	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

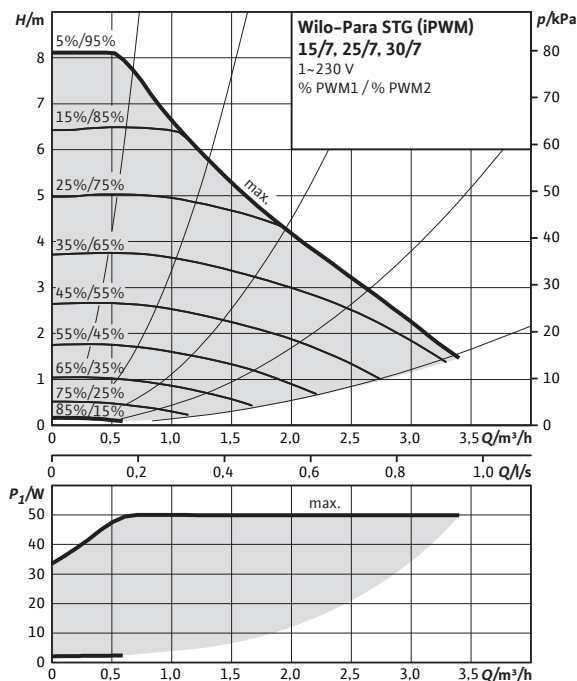
Motor data

Energy efficiency index (EEI)	≤ 0.20
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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.

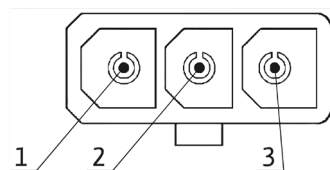
Pump curve

Wilo-Para STG (iPWM) 15/7, 25/7, 30/7



Connector diagram

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



1. L
2. Neutral
3. PE

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_{1min}	1 W
Power consumption P_{1max}	50 W
Max current I_{max}	0.44 A
Protection class	IPX4D
Power consumption in standby mode $P1$	≤ 0.5 W

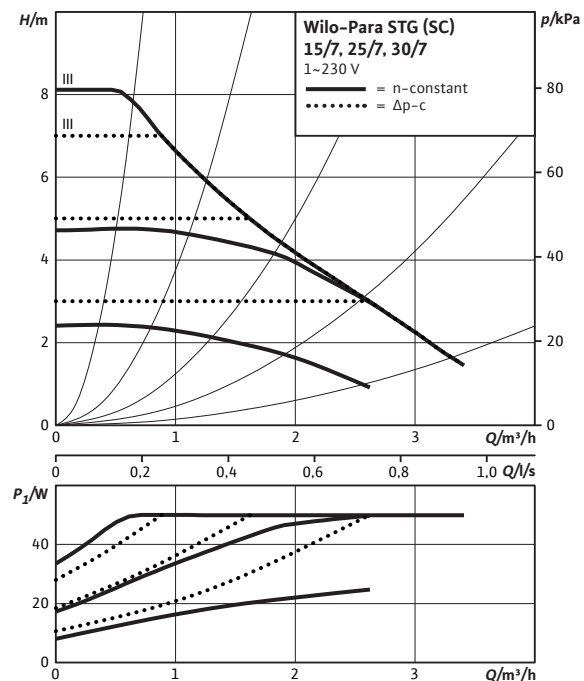
Materials

Pump housing	Cast iron with cataphoresis treatment
Impeller	PP-GF40
Shaft	Stainless steel
Bearing	Carbon

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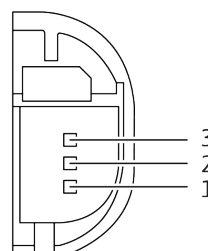
Pump curve

Wilo-Para STG (SC) 15/7, 25/7, 30/7



Connector diagram

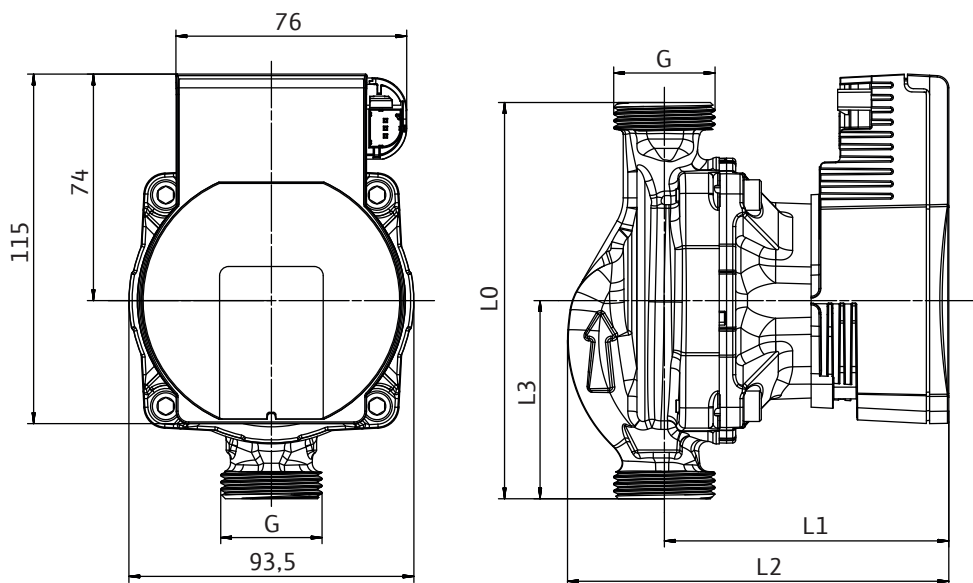
Signal – Wilo-iPWM/LIN (WPL) connector for plug Facon PR72 or equivalent



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 STG 15-130/7-50/12	Para STG 25-130/7-50/12	Para STG 25-180/7-50/12	Para STG 30-180/7-50/12
Connection input	G 1		G 1½	G 2
Connection output	G 1		G 1½	G 2
Port-to-port length <i>L0</i>	130 mm		180 mm	
Dimensions <i>L1</i>	94 mm			
Dimensions <i>L2</i>	125 mm	127 mm		
Dimensions <i>L3</i>	65 mm	65 mm	90 mm	90 mm
Gross weight, ap- prox. <i>m</i>	1.5 kg	1.7 kg	1.8 kg	2 kg

Flow and terminal box orientations

Terminal box orientation Para RS/Ku wo air venter

