



Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Flow max Q_{max}	3.8 m³/h
Minimum suction head at 50 °C m	0.5 m
Minimum suction head at 95 °C m	3 m
Minimum suction head at 110 °C	10 m
Min. fluid temperature T_{min}	-10 °C
Max. fluid temperature T_{max}	95 °C
Min. ambient temperature T_{min}	-10 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Energy efficiency index (EEI)	≤0.20
Mains connection	1~230 V ±10%, 50/60 Hz
Rated power P_2	38 W
Min. speed n_{min}	2340 1/min
Max. speed n_{max}	4366 1/min
Power consumption $P_{1 min}$	1 W
Power consumption $P_{1 max}$	50 W
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Electromagnetic compatibility	EN 61800-3
Threaded cable connection	1 x PG11
Insulation class	F
Protection class	IPX4D

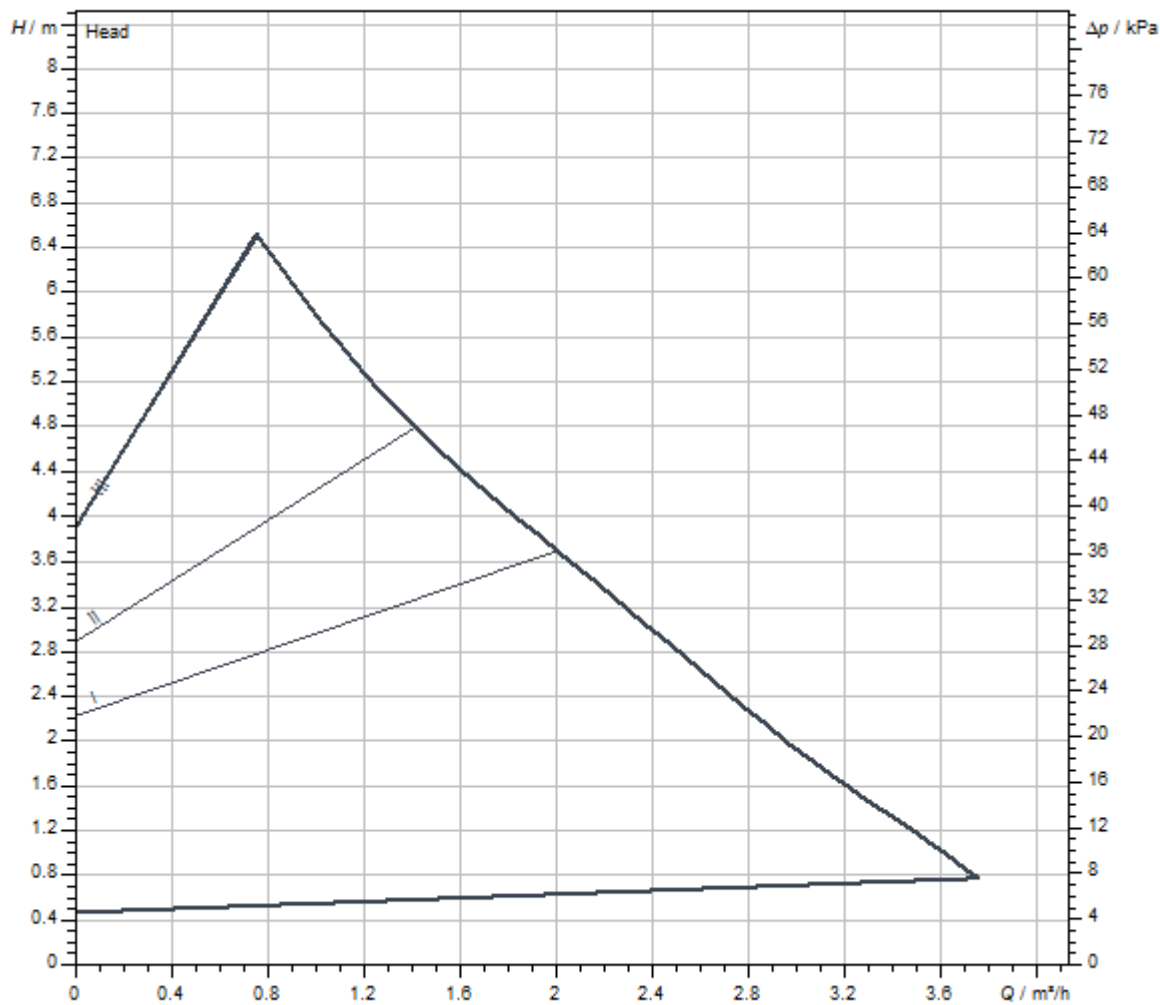
Materials

Pump housing	Grey cast iron
Impeller	PP-GF40
Shaft	Stainless steel
Bearing	Carbon, metal-impregnated

Installation dimensions

Pipe connection on the discharge side DNd	G 1½
Pipe connection on the suction side DNs	G 1½
Port-to-port length $L0$	180 mm

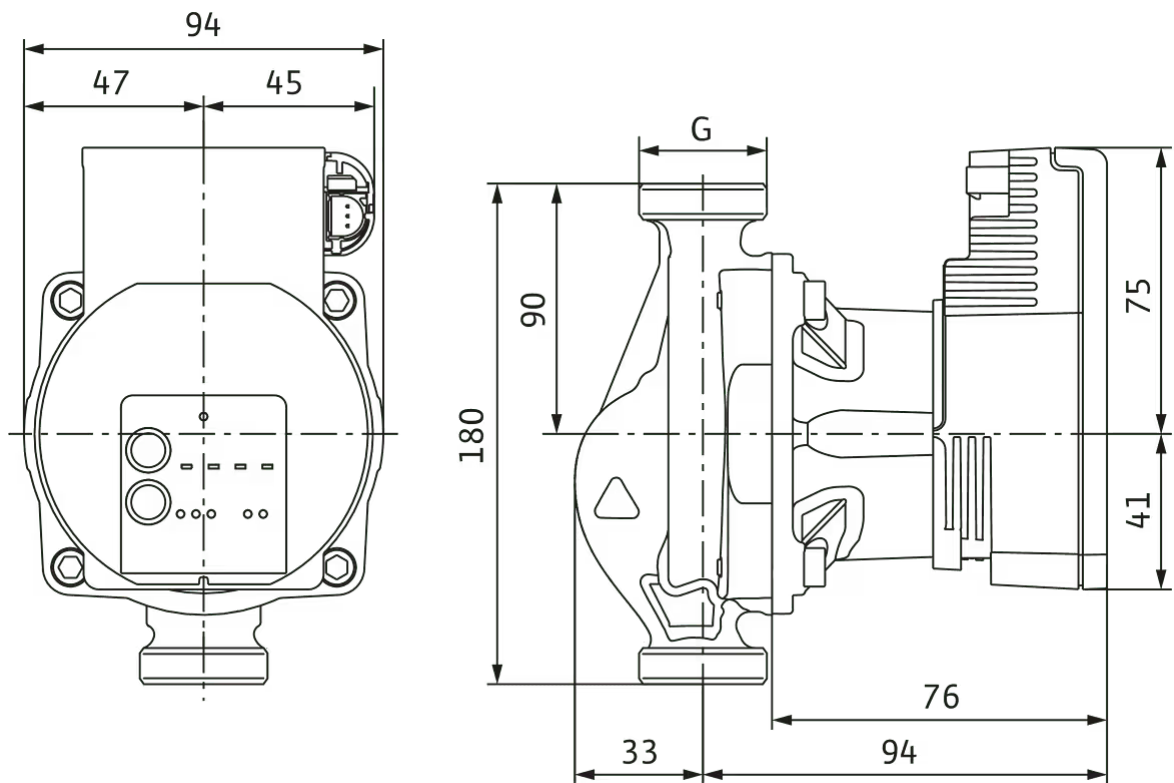
Pump curves



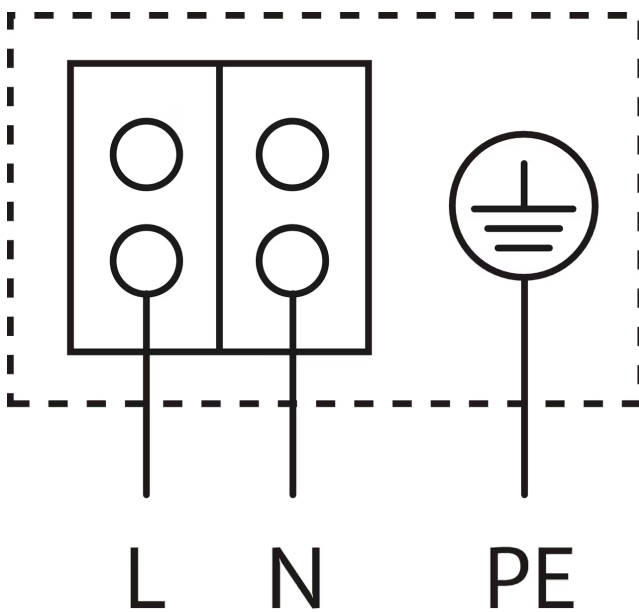
Fluid media	Water 100 %
Fluid temperature T	20.00 °C

Dimensions and dimensions drawings

Varios PICO-STG 25/1-7



Wiring diagram



Blocking current-proof motor

Single-phase motor (EM) 2-pole - 1~230 V, 50 Hz

Ordering information

Product data

Brand	Wilo
Product description	Varios PICO-STG 25/1-7
Article number	4215542 
EAN number	4048482792156
Colour	Green
Minimum order quantity	1
Date of sales availability	2017-09-01

Packaging

Packaging type	Cardboard box
Packaging property	Sales packaging
Pieces per pallet	198
Number per layer	24

Dimension, weight

Length with packaging	194 mm
Length <i>L</i>	180 mm
Height with packaging	105 mm
Height <i>H</i>	94 mm
Width with packaging	174 mm
Width <i>W</i>	126 mm
Gross weight, approx. <i>m</i>	2.1 kg
Net weight, approx. <i>m</i>	1.8 kg

Tender text

High-efficiency pump Wilo-Varios PICO-STG, electronically controlled. Maintenance-free glandless circulator with screwed connection, blocking-current proof synchronous motor according to ECM technology and built-in electronic power control for variable differential pressure control. Can be used for all heating and air-conditioning applications, as well as for solar and geothermal systems.

Standard-equipped with:

- > Preselectable control modes for optimum load adjustment:
 - > Differential pressure constant (Δp -c), 3 pre-defined pump curves
 - > Differential pressure variable (Δp -v), 3 pre-defined pump curves
 - > Constant speed (3 speed stages)
 - > External control by iPWM GT (Heating/Geothermal) or iPWM ST (Solar) signal

- > Sync function (manual programming mode) for reprogramming the pump in the event of replacement
- > Manual pump venting function for venting the rotor chamber
- > Manual restart
- > LED display
 - > Display of selected control mode und pump curve
 - > Status display during venting and manual restart
 - > LED coding during the sync function
 - > Operation and fault display
- > Integrated motor protection
- > Automatic deblocking function
- > Electrical connection cable with 3-pole plug connection and Wilo-Connector
- > PWM connection
- > Cathaphoretically-coated pump housing

Operating Data

Min. fluid temperature $T_{\min}$	-10 °C
Max. fluid temperature $T_{\max}$	95 °C
Min. ambient temperature $T_{\min}$	-10 °C
Max. ambient temperature $T_{\max}$	40 °C
Maximum operating pressure P_N	10 bar
Minimum suction head at 50 °C m	0.5 m
Minimum suction head at 95 °C m	3 m
Minimum suction head at 110 °C	10 m

Motor data

Energy efficiency index (EEI)	≤0.20
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Mains connection	1~230 V, 50/60 Hz
Power consumption $P_{1 \max}$	50 W
Min. speed $n_{\min}$	2340 1/min
Max. speed $n_{\max}$	4366 1/min
Protection class motor	IPX4D
Threaded cable connection	1 x PG11

Materials

Pump housing	Grey cast iron
Impeller	PP-GF40
Shaft	Stainless steel
Bearing	Carbon, metal-impregnated

Installation dimensions

Pipe connection on the suction side D_N s	G 1½
Pipe connection on the discharge side D_N d	G 1½
Port-to-port length L_0	180 mm

Ordering information

Brand	Wilo
Product description	Varios PICO-STG 25/1-7
Net weight, approx. m	1.8 kg
Article number	4215542 

Electrical accessories

Pump control

Timer switch SK 601N

Switchgear SK 601N	2120443
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Plug

Angle plug

Angle plug	4150229
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Connector

Wilo-Connector	4200870
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PWM signal cable

PWM signal cable	4193901
Bidirectional iPWM control cable	4222049