



Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Head max H_{max}	7.6 m
Flow max Q_{max}	4.4 m ³ /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
Max. fluid temperature at max. ambient temperature of +25 °C T_{max}	95 °C
Max. fluid temperature at max. ambient temperature of +40 °C T_{max}	95 °C
Min. ambient temperature T_{min}	-10 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Energy efficiency index (EEI)	≤0.23
Mains connection	1~230 V ±10%, 50/60 Hz
Rated power P_2	58 W
Min. speed n_{min}	500 1/min
Max. speed n_{max}	4800 1/min
Power consumption $P_{1 min}$	4 W
Power consumption $P_{1 max}$	75 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

Equipment/function

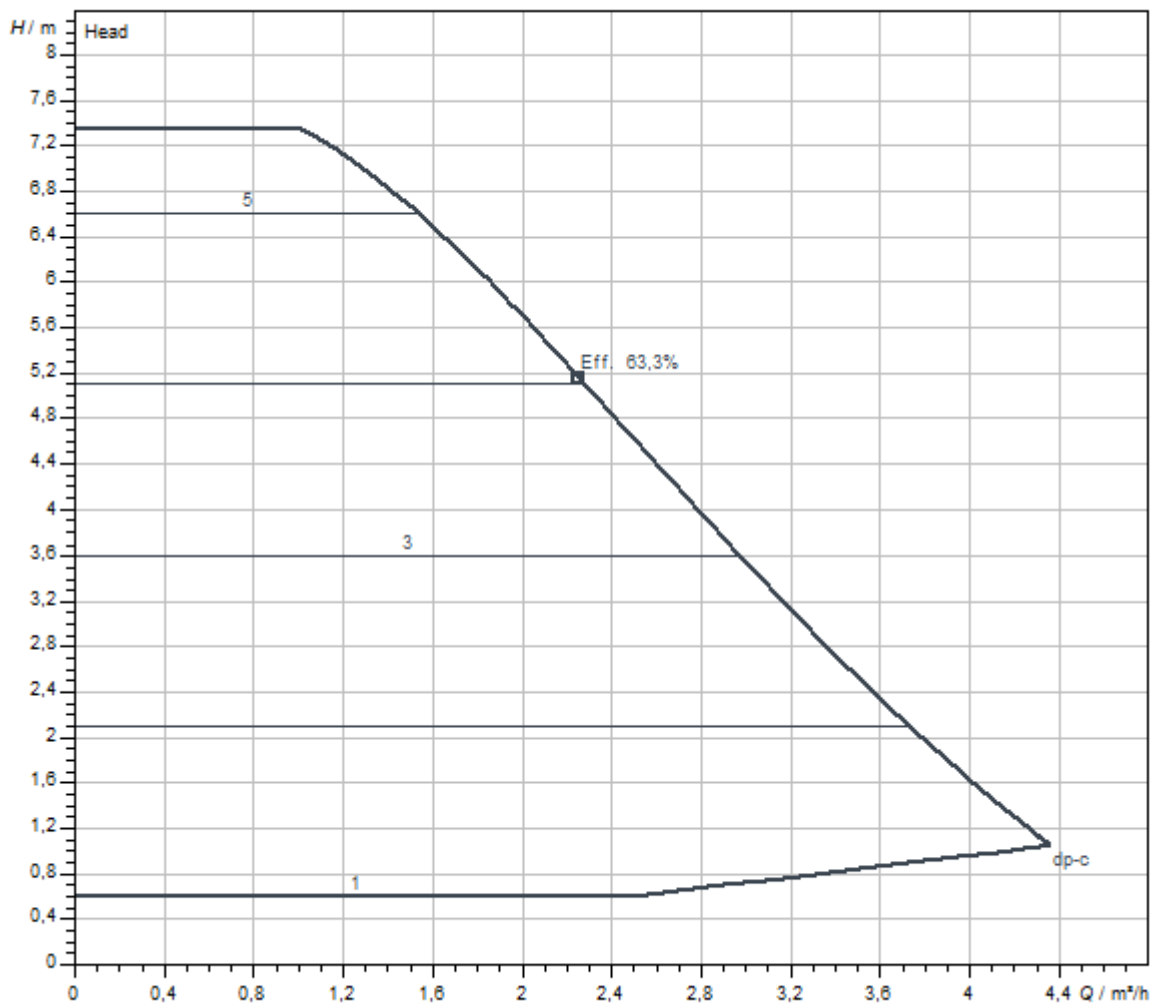
Function

Control mode	$\Delta p-v$ for variable differential pressure
	$\Delta p-c$ for constant differential pressure
Display	Setpoint
	Actual power consumption
Pump venting function	Manual

Equipment

Approvals and labels	CE
Display	LED segment display
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo Connector
Thermal insulation shell	As accessory
Blocking-current proof motor	yes

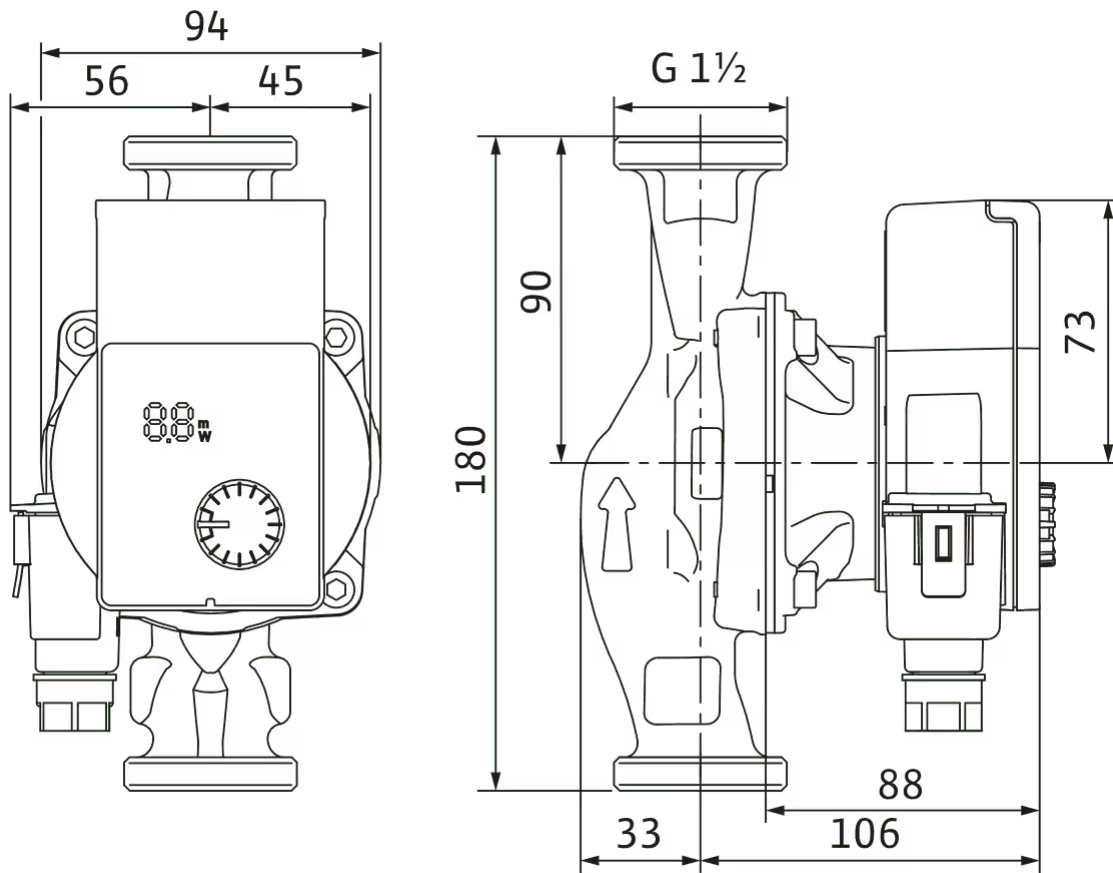
Pump curves



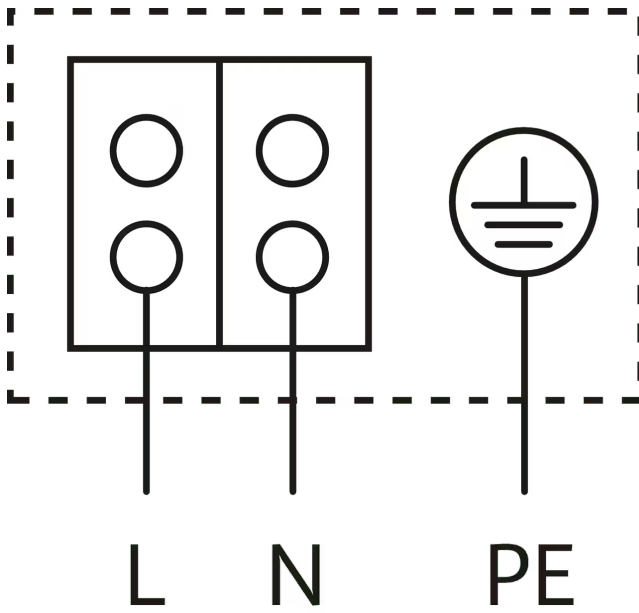
Fluid media	Water 100 %
Fluid temperature <i>T</i>	20,00 °C
speed at duty point <i>n hydr. @ OP</i>	2.900 1/min

Dimensions and dimensions drawings

Yonos PICO1.0 25/1-8



Wiring diagram



Blocking current-proof motor

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

Tender text

High-efficiency pump Wilo-Yonos PICO1.0, electronically controlled. Maintenance-free glandless circulator with screwed connection, blocking-current proof EC motor and integrated electronic power control for continuous differential pressure control. Can be used for all heating and air-conditioning applications.

Control mode can be selected in accordance with the radiator/underfloor heating application.

Standard-equipped with:

- > Preselectable control modes for optimum load adjustment:
 - > Constant differential pressure (Δp -c)

- > Variable differential pressure (Δp -v)
- > LED display:
 - > Display of delivery head for setting
 - > Display of the current consumption in watts
 - > Display of fault messages (error codes)
 - > Display of the activated pump venting function
- > Manual pump venting function for venting the rotor chamber
- > Integrated motor protection
- > Automatic deblocking function
- > Quick electrical connection with Wilo-Connector

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 PN	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)	≤0.23
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Mains connection	1~230 V, 50/60 Hz
Power consumption $P_{1 \max}$	75 W
Min. speed n_{\min}	500 1/min
Max. speed n_{\max}	4800 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 DN_s	G 1½
Pipe connection on the discharge side DN_d	G 1½
Port-to-port length L_0	180 mm

Ordering information

Brand	Wilo
Product description	Yonos PICO1.0 25/1-8
Net weight, approx. m	2 kg
Article number	4248086 

Mechanical accessories

Pipe installation

Screwed connections/adapters

Screwed connection Rp 1 x G 1½, 72 Set	112047298	EUR 699.-
Screwed connection Rp 1 x G 1½, 1 Set	4092741	EUR 14.-
Adapter G 1½/G 2	4105914	EUR 31.-

Pipe installation, adapter fitting

Flanged rings RF

Flanged ring RF 7, PN6	110628790	EUR 32.-
Flanged ring RF 9, PN6	110679395	EUR 66.-
Flanged ring RF 13, PN6	110679498	EUR 73.-
Flanged ring RF 10, PN6	110851499	EUR 56.-

Threaded adapter R

Threaded adapter R 2, GG	110626790	EUR 50.-
Threaded adapter R 6, GG	110678493	EUR 47.-
Threaded adapter R 1, GG	110786891	EUR 46.-
Threaded adapter R 7, GG	110787094	EUR 46.-
Threaded adapter R 24, GG	110880596	EUR 44.-

Thermal insulation

Thermal insulation shell

Thermal insulation shell	4206066	EUR 11.-
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Electrical accessories

Pump control

Timer switch SK 601N

Switchgear SK 601N	2120443	EUR 331.-
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Plug

Angle plug

Angle plug	4150229	EUR 25.-
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Connector

Wilo-Connector	4200870	EUR 31.-
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