



Yonos PICO 25/1-8

Glandless pump circulator

Article number: [4215517](#)

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

Motor data

Insulation class	F
Protection class	IPX4D

* The benchmark for the most efficient circulators is $EEI \leq 0.20$

Materials

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

Equipment/function

Function

Control mode	Δp -v for variable differential pressure Δp -c for constant differential pressure Constant speed (3 speed stages)
Display	Setpoint Actual volume flow Actual power consumption Fault signals (error codes) Manually activated restart or pump venting function
Pump venting function	Manual

Installation dimensions

Pump connection	G 1½
Pump connection (alternative designation)	RP 1 DN 25
Port-to-port length L_0	180 mm

Equipment

Approvals and labels	CE VDE EAC
Display	LED segment display
Display information	Basic Version: LED display (small) for showing the set head or speed stage.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo Connector
Thermal insulation shell	As accessory

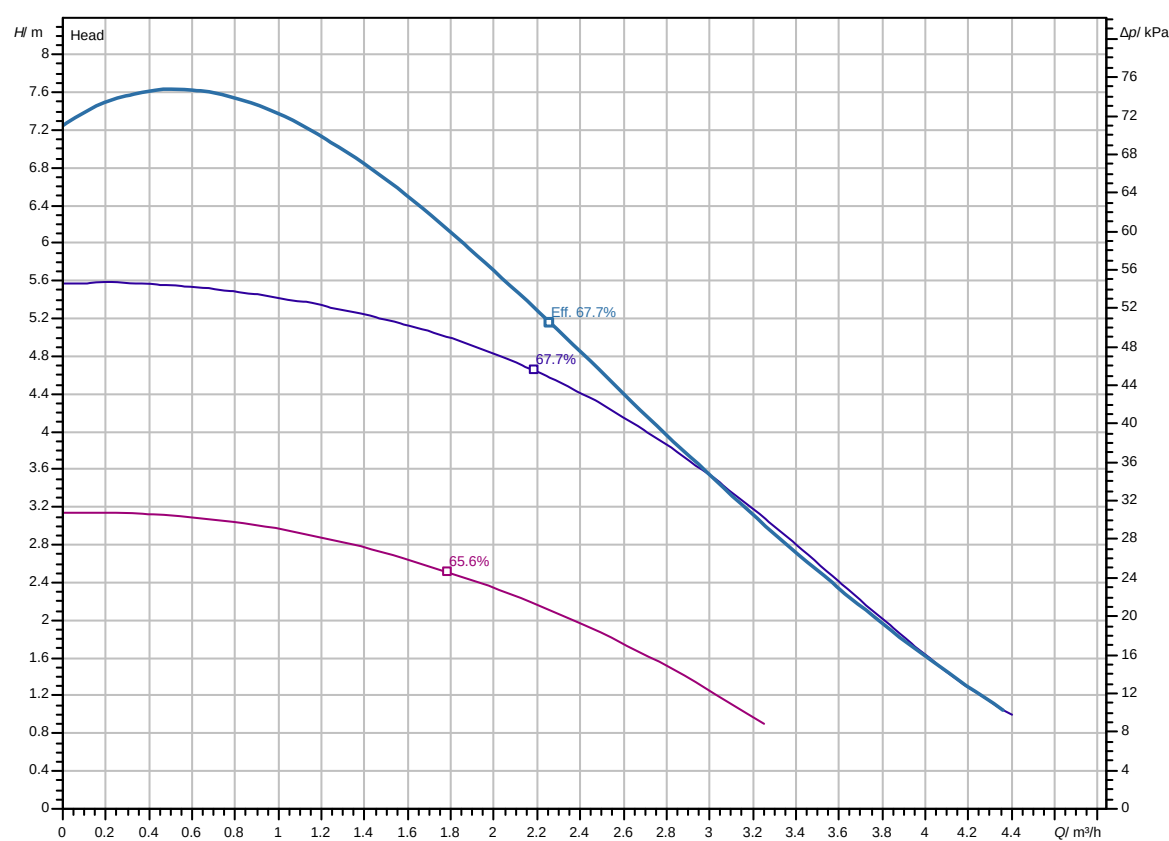
Equipment

Blocking-current proof motor	yes
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Equipment

Particle filter	yes
Operating elements	Green button

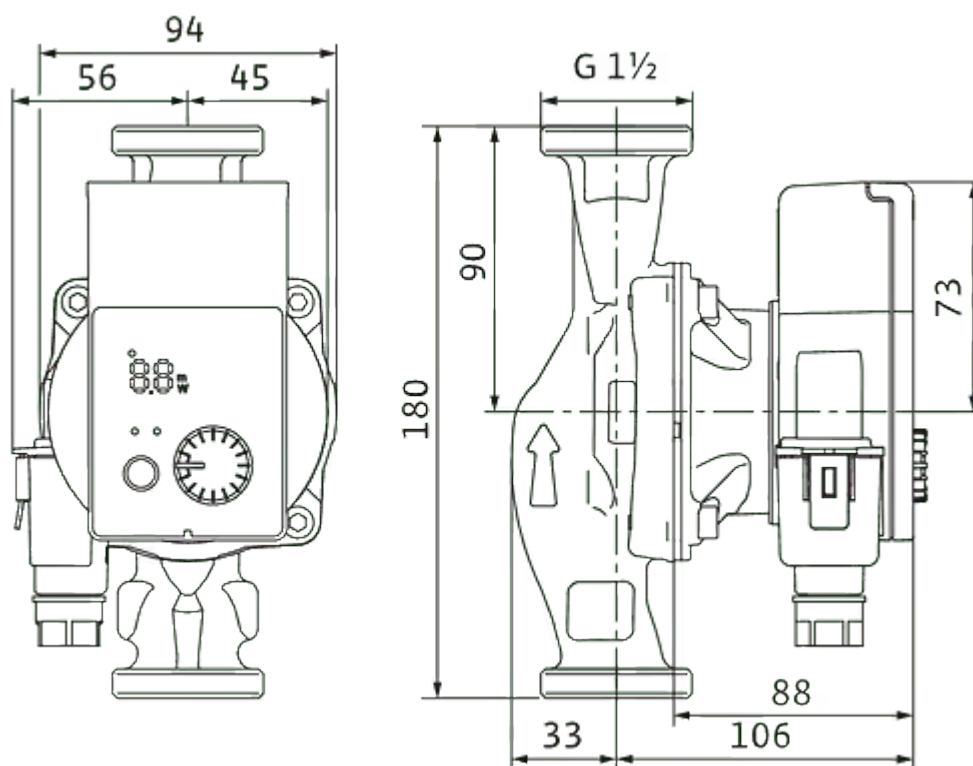
Pump curves



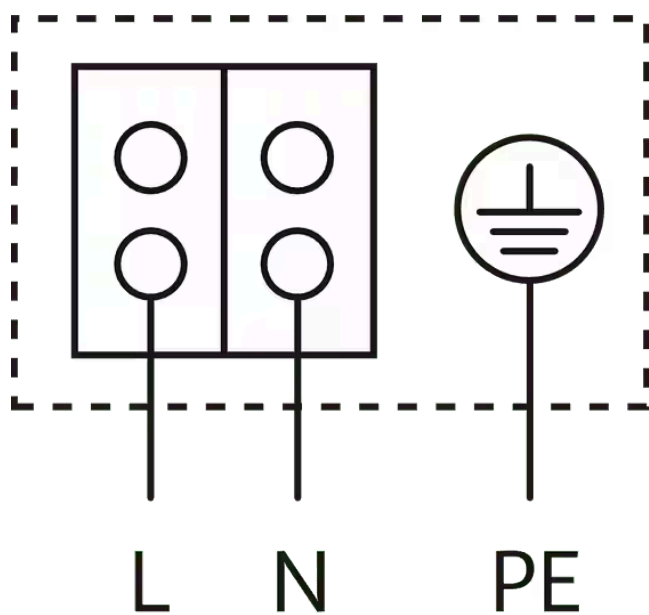
Fluid media	Water 100 %
Fluid temperature T	20.00 °C

Dimensions and dimensions drawings

Wilo-Yonos PICO 25/1-8 PN 10



Wiring diagram



Blocking current-proof motor

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