



Data sheet

Hydraulic data

Maximum operating pressure P_N	10 bar
Head max H_{max}	7.6 m
Flow max Q_{max}	4.4 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
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 $L0$	130 mm

Equipment/function

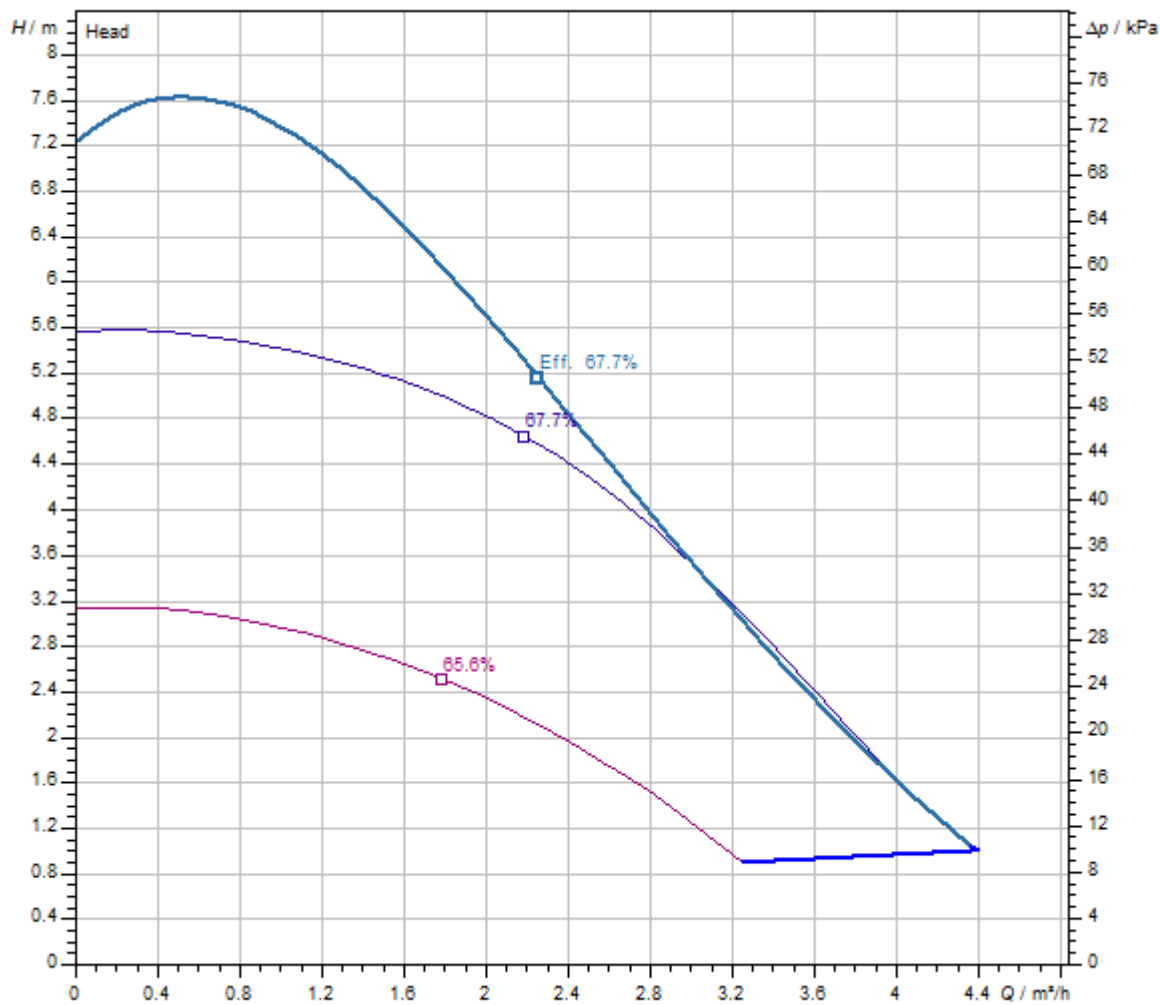
Function

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

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
Blocking-current proof motor	yes
Particle filter	yes
Operating elements	Green button

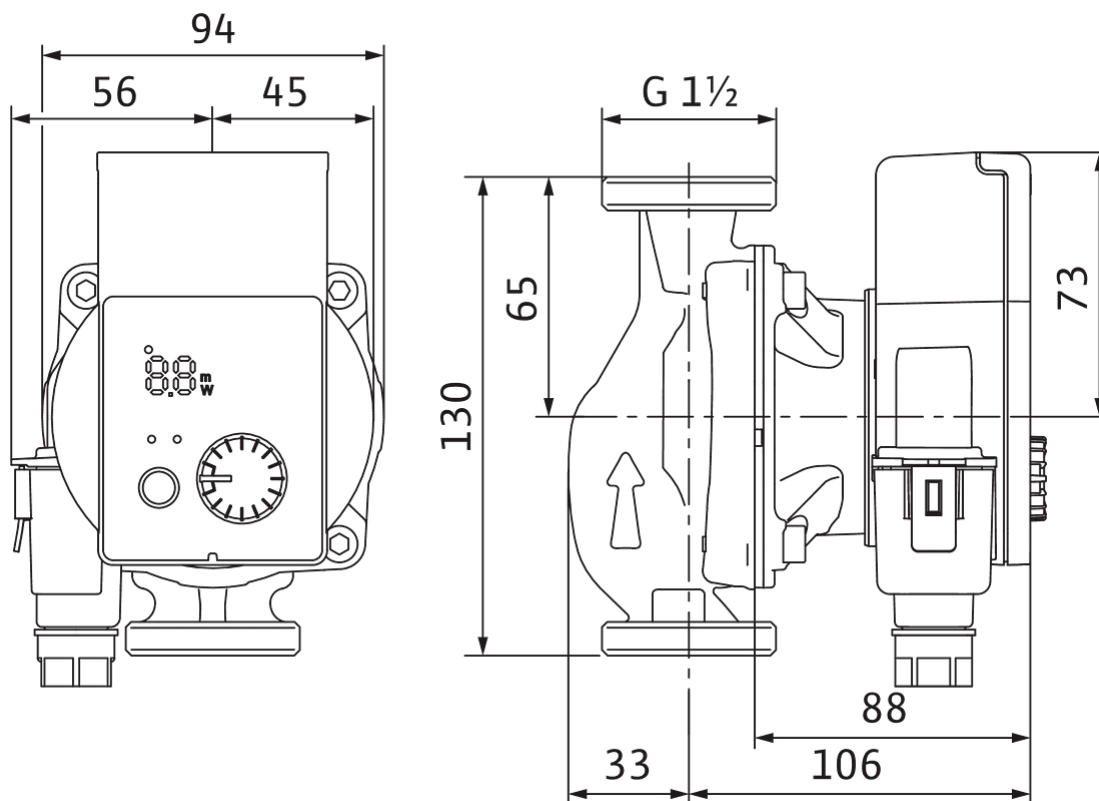
Pump curves



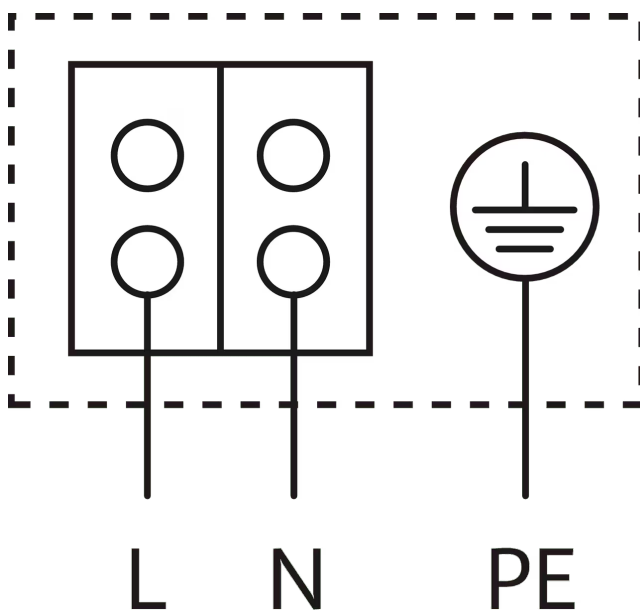
Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	2,900 1/min

Dimensions and dimensions drawings

Wilo-Yonos PICO 25/1-8-130 PN 10



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	Yonos PICO 25/1-8-130
Article number	4215518 
EAN number	4048482758503
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>	138 mm
Height with packaging	105 mm
Height <i>H</i>	102 mm
Width with packaging	174 mm
Width <i>W</i>	143 mm
Gross weight, approx. <i>m</i>	2.1 kg
Net weight, approx. <i>m</i>	1.9 kg

Tender text

High-efficiency pump Wilo-Yonos PICO, 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. Control mode can be selected in accordance with the radiator/underfloor heating application.

Standard-equipped with:

- Preselectable control modes for optimum load adjustment: Differential pressure constant (Δp -c), differential pressure variable (Δp -v), constant speed (3 pump curves)
- Integrated motor protection
- LED for setting the setpoint, displaying the current consumption in watts and the flow rate in m³/h
- Automatic deblocking function
- Manual pump venting function for venting the rotor chamber
- Manual restart

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

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Electromagnetic compatibility	EN 61800-3
Insulation class	F
Protection class	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	130 mm

Ordering information

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Net weight, approx. m	1.9 kg
Article number	4215518 