

Data sheet: Stratos PICO-Z 25/1-6

Product data

Maximum operating pressure P_N	10 bar
Max. fluid temperature T	70 °C
Min. fluid temperature T	2 °C
Max. ambient temperature T	40 °C

Motor data

Protection class motor	IPX4D
Electromagnetic compatibility	EN 61800-3
Power consumption $P_{1 \min}$	3 W
Power consumption $P_{1 \max}$	45 W
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Insulation class	F
Mains connection	1~230 V, 50/60 Hz
Rated power P_2	0.03 kW
Min. speed $n_{\min}$	800 rpm
Max. speed $n_{\max}$	4200 rpm
Rated current I_N	0.44 A
Motor protection	Not required (blocking-current proof)

Operating data

Max. fluid temperature T	70 °C
Min. fluid temperature T	2 °C
Maximum operating pressure p	10 bar

Installation dimensions

Pipe connection on the suction side	G 1½
Pipe connection on the pressure side	G 1½
Port-to-port length l_0	180 mm

Materials

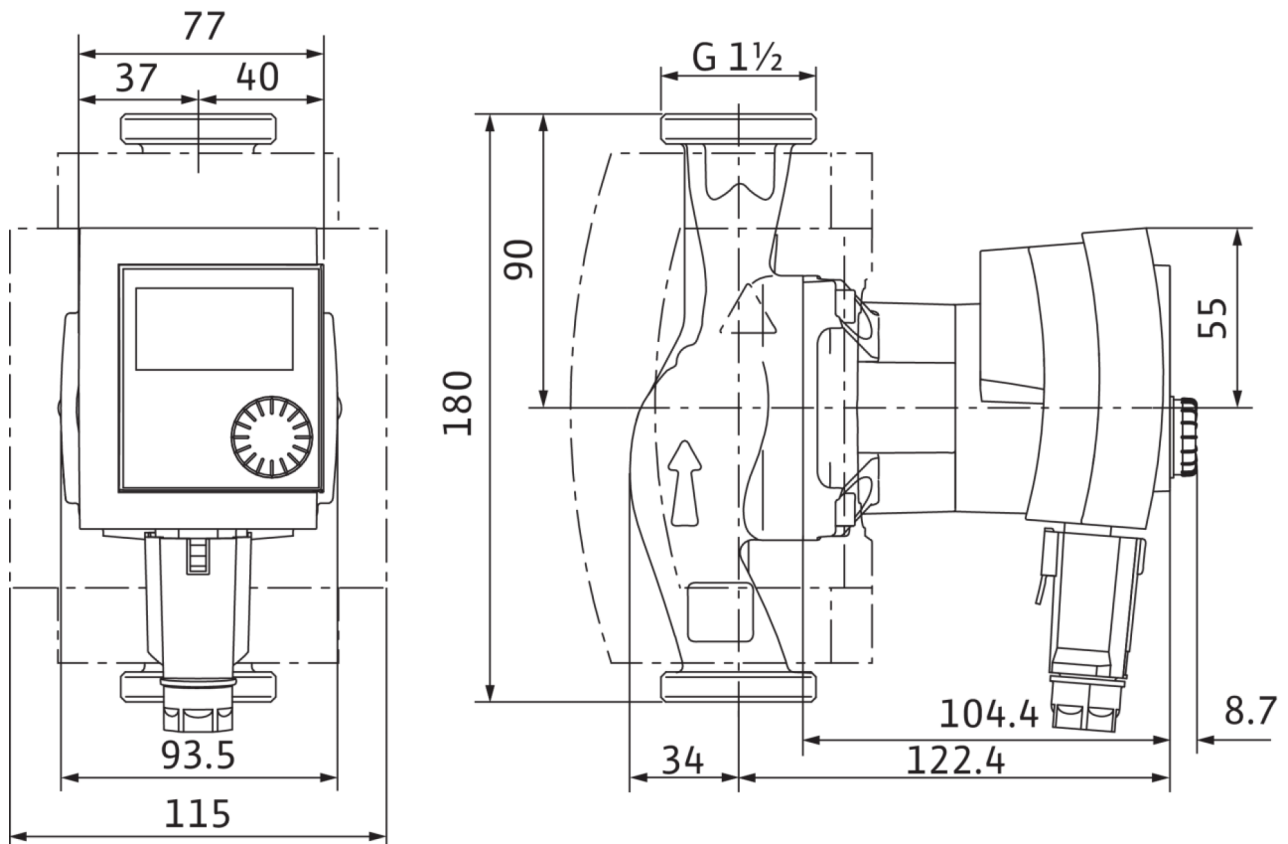
Shaft	1.4122, X39CrMo17-1
Pump housing	1.4409, GX2CrNiMo19-11-2
Impeller	PPE-GF30
Bearing	Total carbon

Information for order placements

Brand	Wilo
Product description	Stratos PICO-Z 25/1-6
Article number	4216473
Net weight, approx. m	2 kg

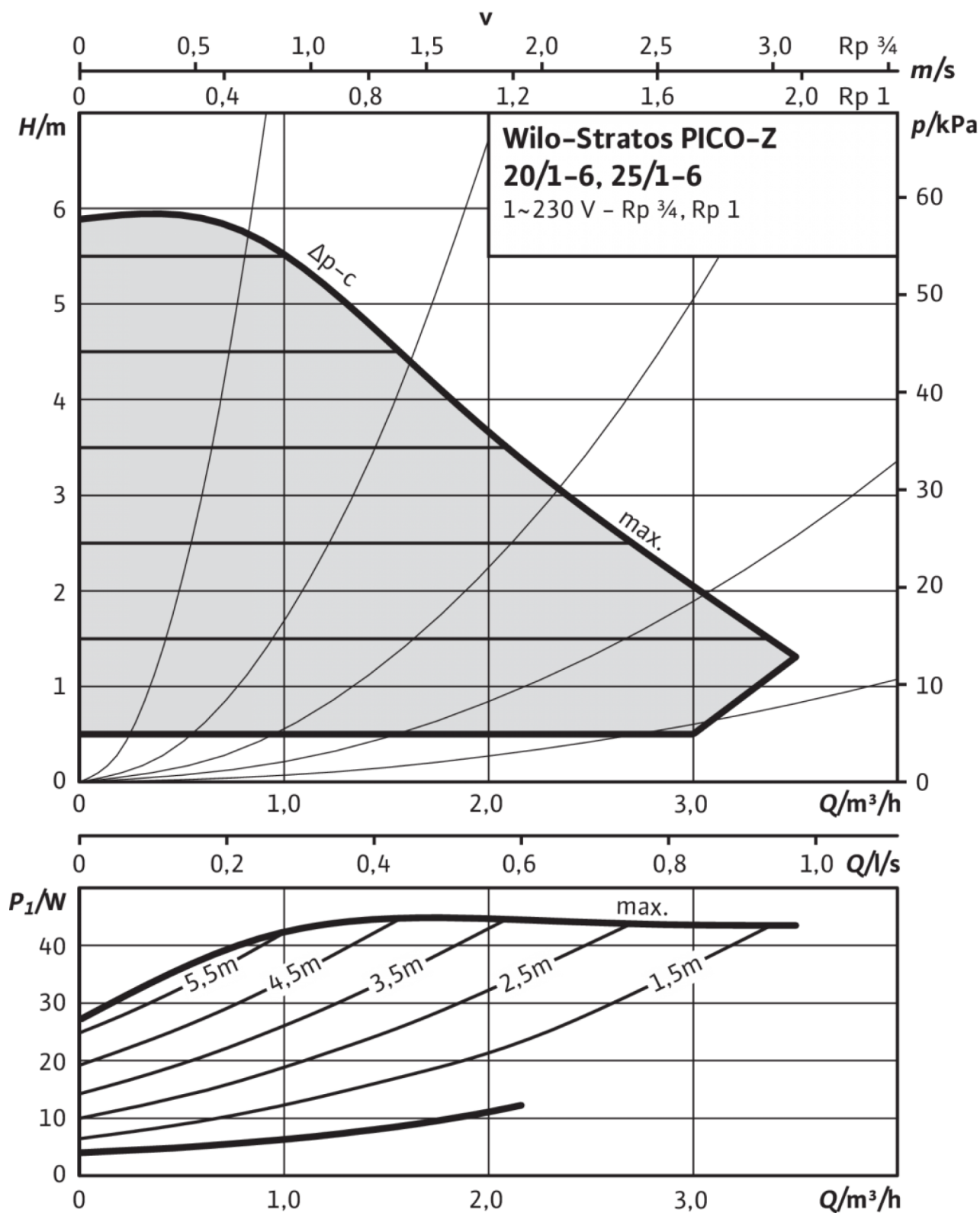
Dimensions and dimensions drawings: Stratos PICO-Z 25/1-6

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Pump curves: Stratos PICO-Z 25/1-6

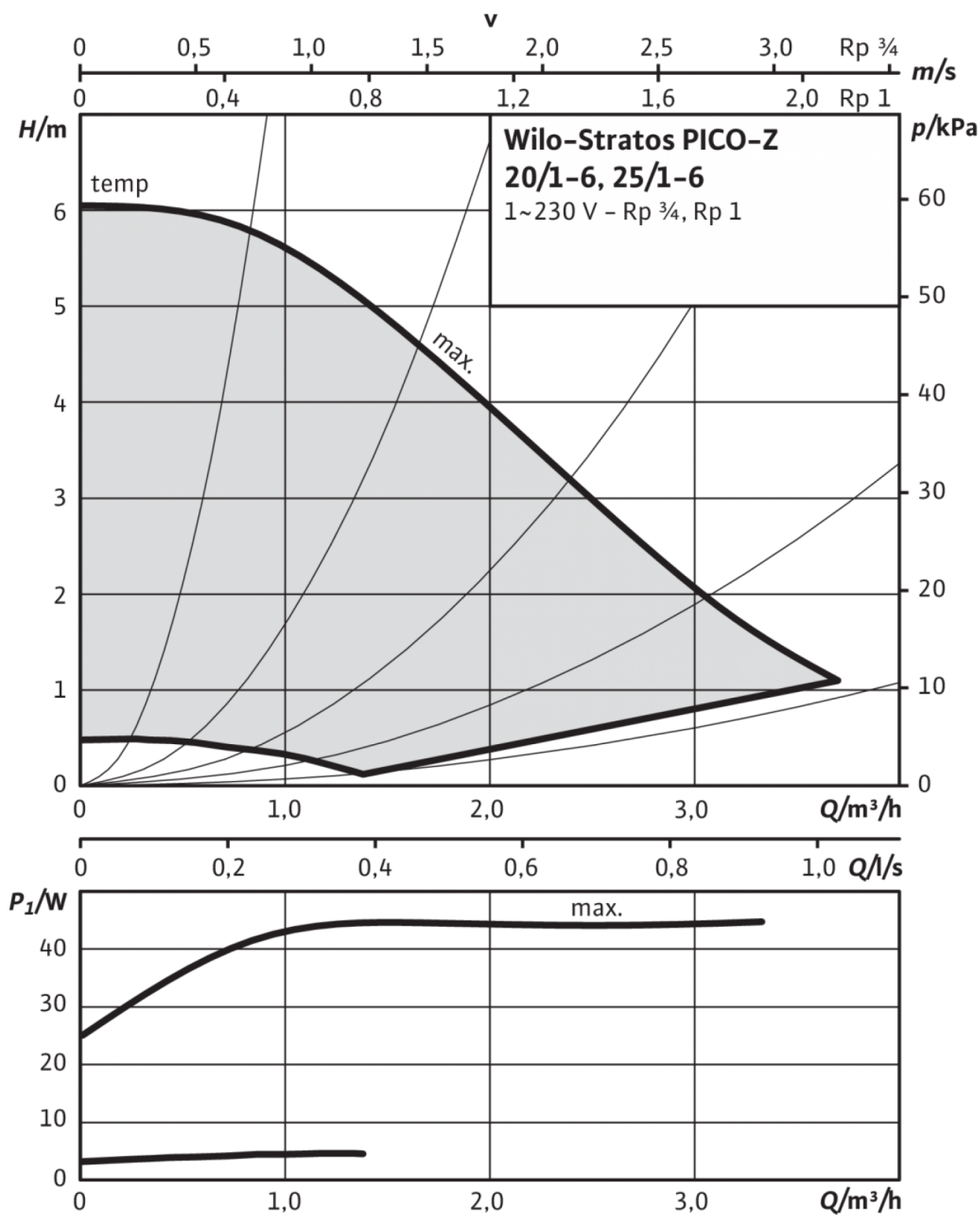
Stratos PICO-Z 20/1-6, 25/1-6



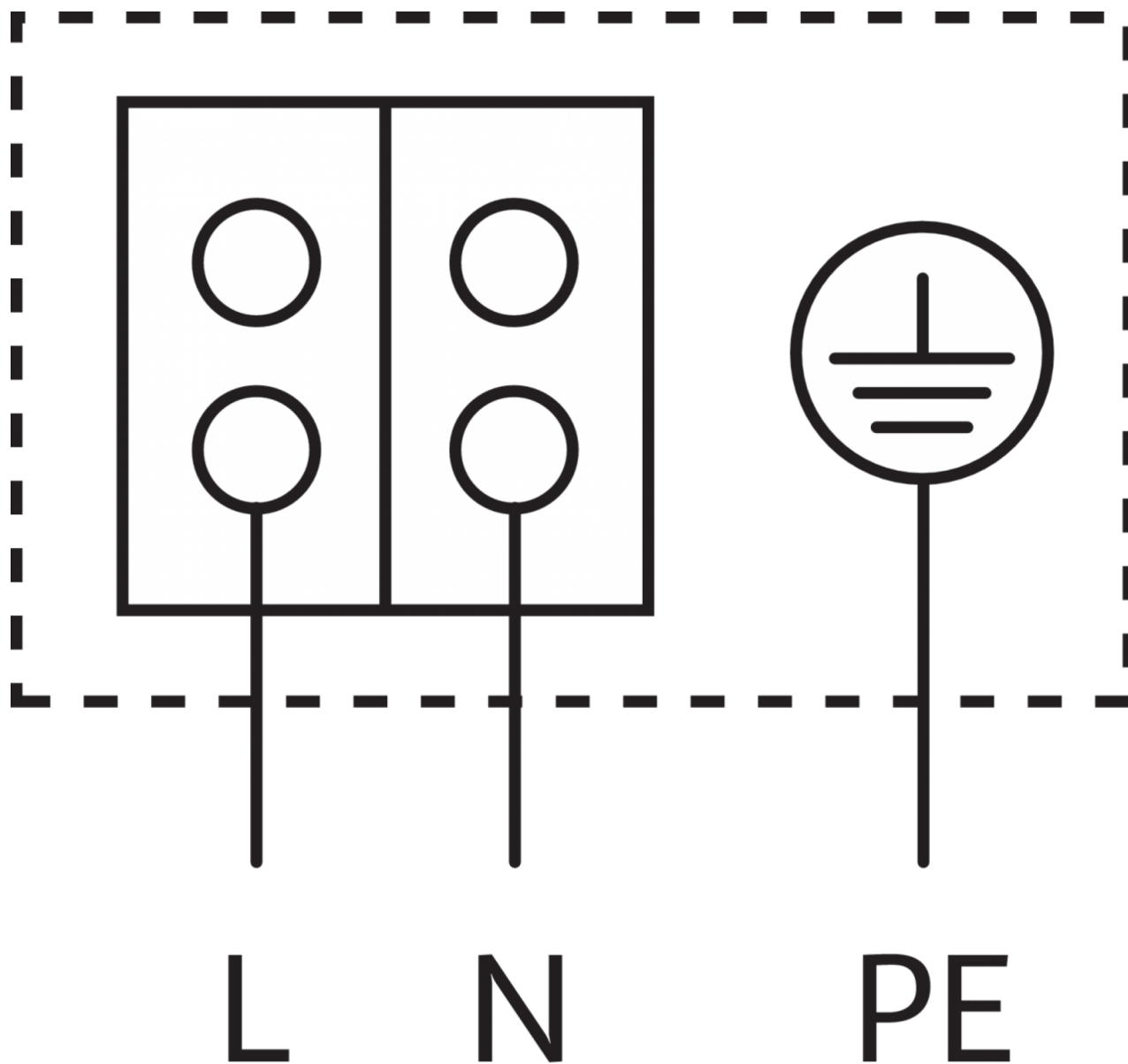
Stratos PICO-Z 20/1-6, 25/1-6

Pump curves: Stratos PICO-Z 25/1-6

Stratos PICO-Z 20/1-6, 25/1-6



Wiring diagram: Stratos PICO-Z 25/1-6



Blocking current-proof motor

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

Tender text: Stratos PICO-Z 25/1-6

This circulation pump is suitable only for drinking water.

Maintenance-free domestic hot water glandless circulation pump with threaded connection, blocking-current proof synchronous motor according to ECM technology and built-in electronic power control for variable differential pressure control. With maximum efficiencies and high starting torque, including automatic deblocking function. Can be used for all domestic hot water applications (+2 up to +70 °C).

Standard-equipped with:

- Preselectable control modes for optimum manual operating mode, Δp -c (differential pressure constant)
- Temperature-controlled operating mode
- Identification of the thermal disinfection of the domestic hot water tank
- Integrated motor protection
- Operating and fault display (with error codes)
- Display of the current consumption in watts and the cumulative kilowatt hours, or
- Display of effective flow and temperature
- Reset function for resetting the electricity meter or for resetting the settings to the factory settings
- "Hold" function (key lock) for disabling the settings
- Minimal consumption only 3 W
- Automatic deblocking function
- Equipped as standard with a thermal insulation shell

Materials		Operating data	
Shaft	1.4122, X39CrMo17-1	Fluid media	Water
Pump housing	1.4409, GX2CrNiMo19-11-2	Min. fluid temperature T	2 °C
Impeller	PPE-GF30	Max. fluid temperature T	70 °C
Bearing	Total carbon	Maximum operating pressure p	10 bar
		Max. permitted total hardness in domestic hot water circulation systems	3.57 mmol/l (20 °dH)
Motor data		Installation dimensions	
Emitted interference	EN 61000-6-3	Pipe connection on the suction side	G 1½
Interference resistance	EN 61000-6-2	Port-to-port length l_0	180 mm
Mains connection	1~230 V, 50/60 Hz		
Power consumption $P_{1 \max}$	45 W		
Max. speed $n_{\max}$	4200 rpm		
Rated current I_N	0.44 A		
Protection class motor	IPX4D		
Information for order placements			
Net weight, approx. m	2 kg		
Brand	Wilo		
Product description	Stratos PICO-Z 25/1-6		
Article number	4216473		