

Data sheet: Yonos PICO 25/1-8

Hydraulic data

Maximum operating pressure PN	10 bar
Max. delivery head H	8.00 m
Max. volume flow Q	4.8 m ³ /h
Minimum suction head at 50 °C	0.5
Minimum suction head at 95 °C	3
Minimum suction head at 110 °C	10
Min. fluid temperature T_{min}	-10 °C
Max. fluid temperature for max. ambient temperature of +25 °C T_{max}	110 °C
Max. fluid temperature for max. ambient temperature of +40 °C T_{max}	95 °C
Min. ambient temperature T_{min}	-10 °C
Max. ambient temperature T_{max}	40 °C

Materials

Pump housing	EN-GJL-200
Impeller	PP-GF40
Shaft	1.4122
Bearing	Carbon, metal-impregnated

Information for order placements

Brand	Wilo
Product description	Yonos PICO 25/1-8
EAN number	4048482758497
Article number	4215517
Net weight, approx. m	2 kg
Gross weight, approx. m	2.3 kg
Length with packaging	194 mm
Height with packaging	105 mm
Width with packaging	174 mm
Packaging property	Sales packaging
Packaging type	Cardboard box
Minimum order quantity	1

Motor data

Energy efficiency index (EEI)	0.23
Mains connection	1~230 V $\pm$ 10%, 50/60 Hz
Min. speed n_{min}	800 rpm
Max. speed n_{max}	4800 rpm
Power consumption $P_{1 min}$	4.0 W
Power consumption $P_{1 max}$	75.0 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	IPX2D

Installation dimensions

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

Tender text: Yonos PICO 25/1-8

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.

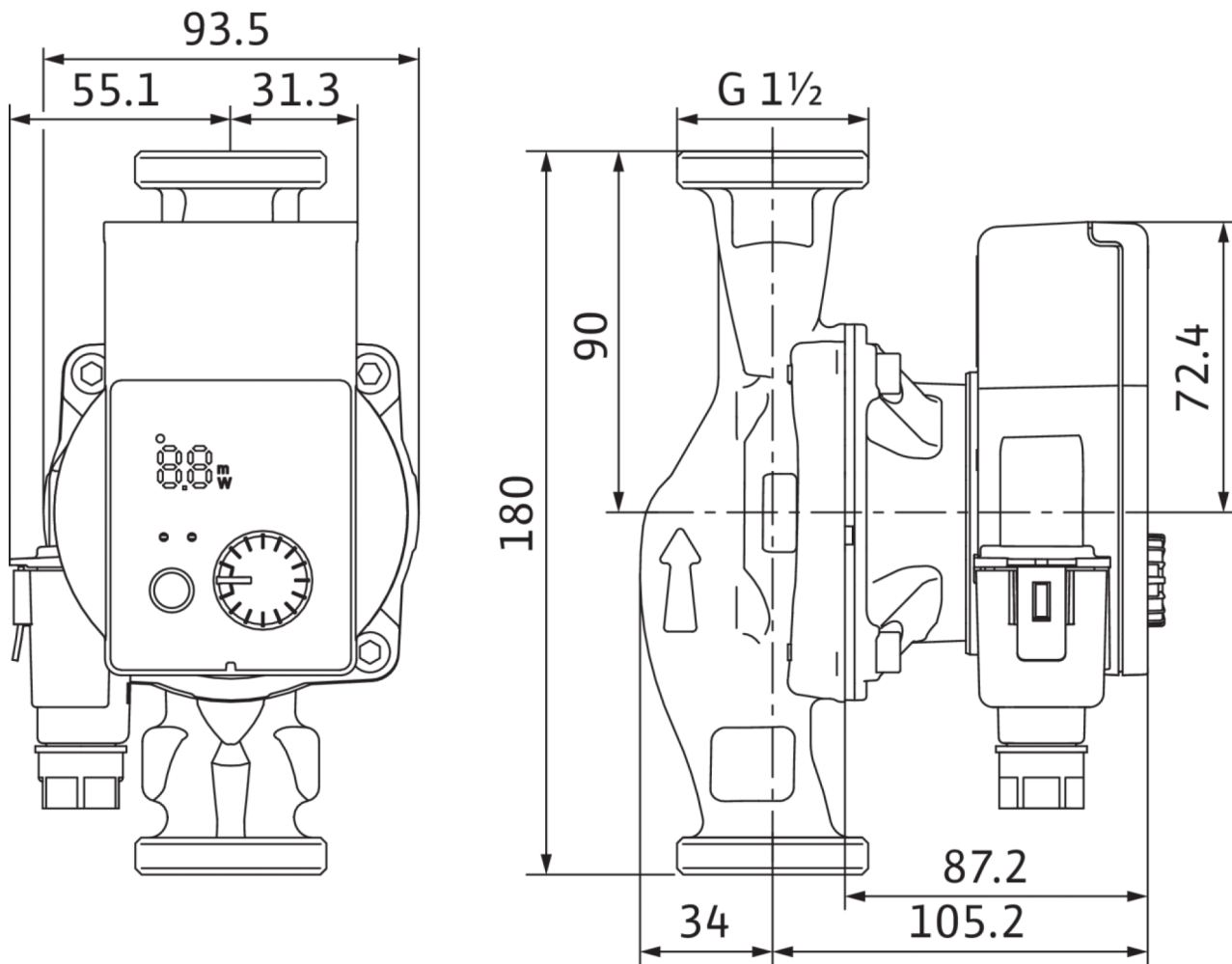
Standard-equipped with:

- 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 and displaying the current consumption in watts
- Automatic deblocking function
- Manual pump venting function for venting the rotor chamber
- Manual restart

Operating data		Motor data	
Fluid media	Water	Energy efficiency index (EEI)	0.23
Maximum operating pressure P_N	10 bar	Emitted interference	EN 61000-6-3
Minimum suction head at 50 °C	0.5	Interference resistance	EN 61000-6-2
Minimum suction head at 95 °C	3	Mains connection	1~230 V, 50/60 Hz
Minimum suction head at 110 °C	10	Power consumption $P_{1 \max}$	75.0 W
		Min. speed $n_{\min}$	800 rpm
		Max. speed $n_{\max}$	4800 rpm
		Protection class motor	IPX2D
		Threaded cable connection	1 x PG11
Materials		Installation dimensions	
Pump housing	EN-GJL-200	Pipe connection on the suction side	G 1½
Impeller	PP-GF40	D_N s	
Shaft	1.4122	Pipe connection on the pressure side	G 1½
Bearing	Carbon, metal-impregnated	$D_N d$	
		Port-to-port length l_0	180 mm
Information for order placements			
Brand	Wilo		
Product description	Yonos PICO 25/1-8		
Net weight, approx. m	2 kg		
Article number	4215517		

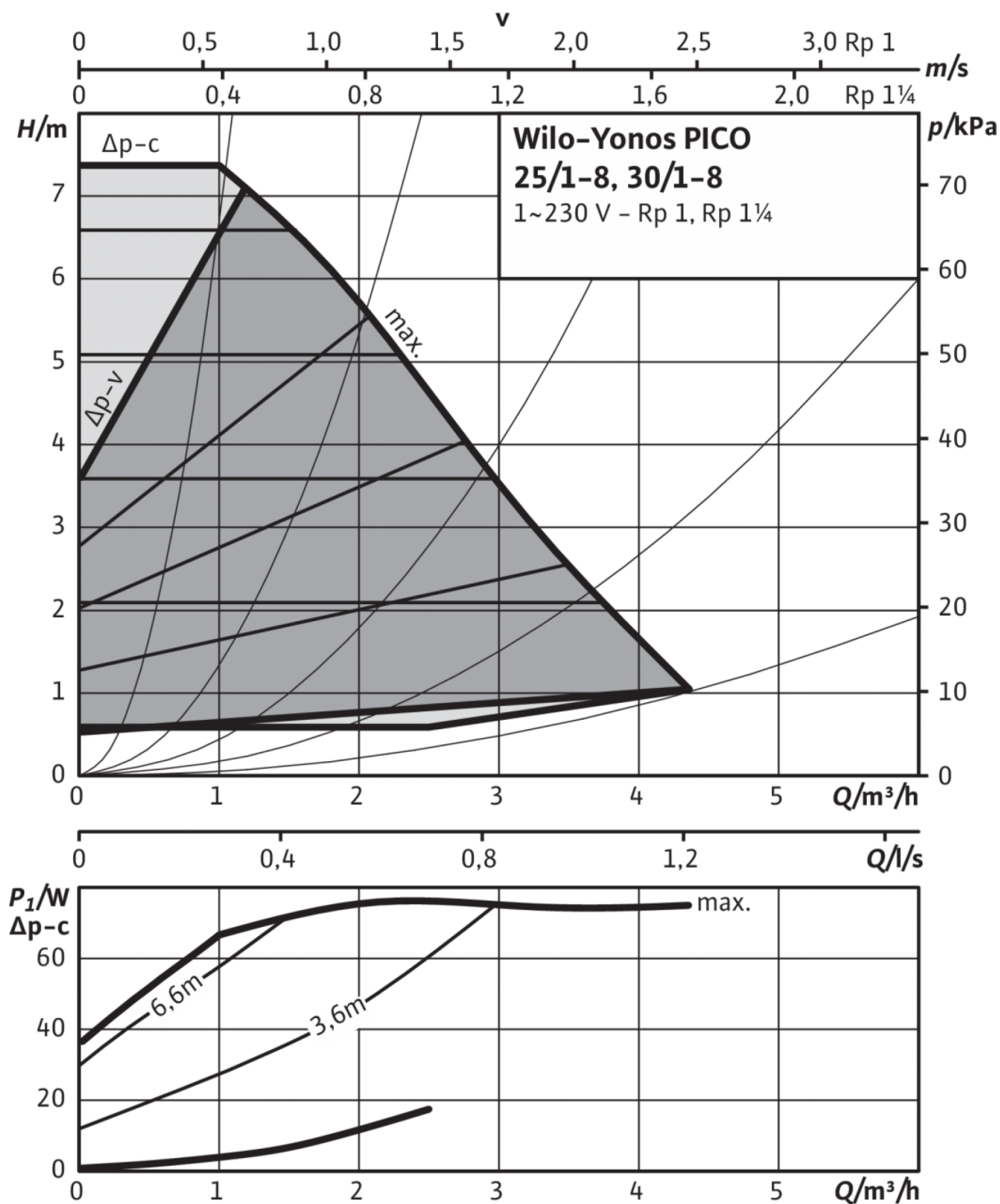
Dimensions and dimensions drawings: Yonos PICO 25/1-8

4215517_ConGraph_yonos_pico_row_180_dim_01_1708



Pump curves: Yonos PICO 25/1-8

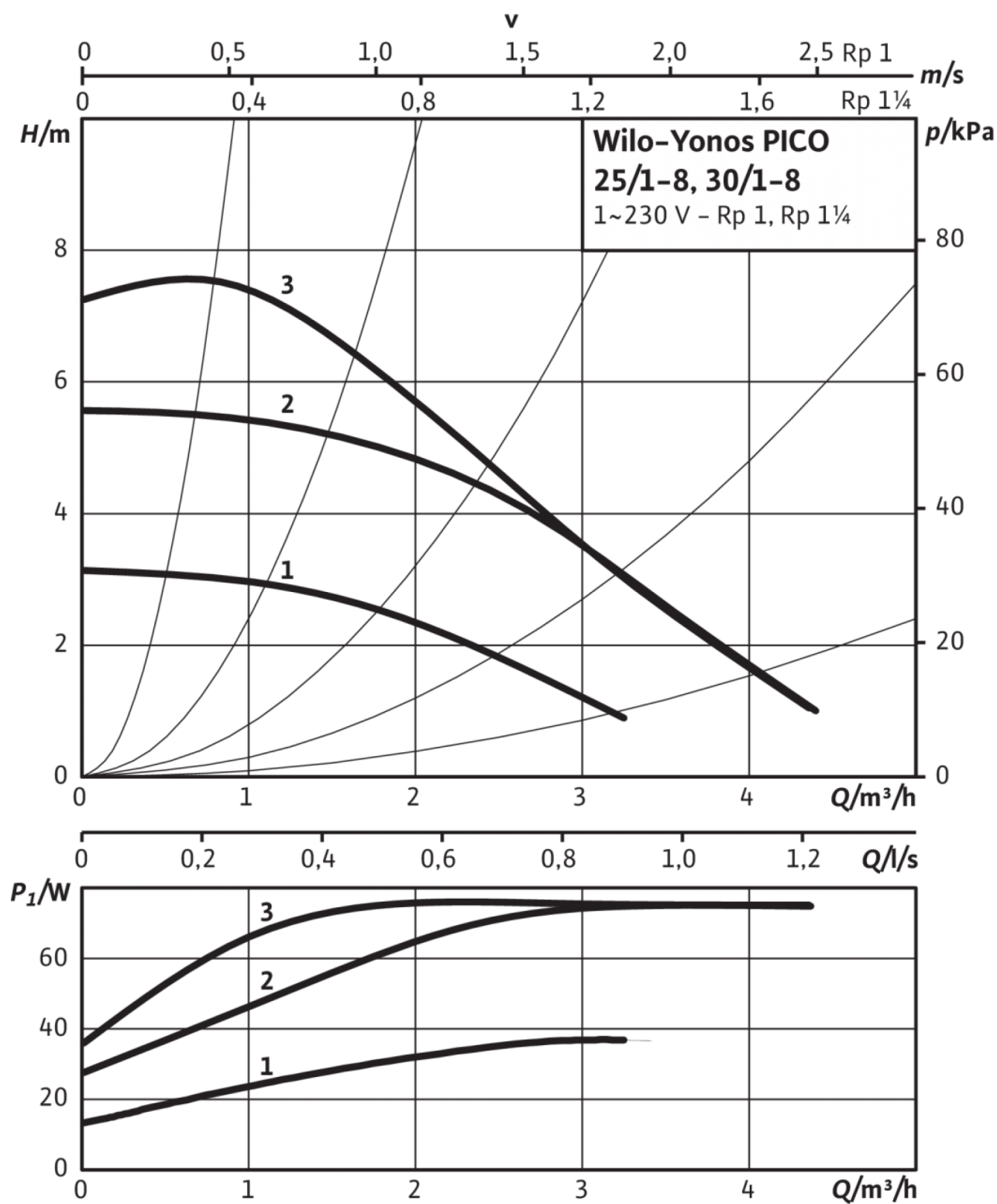
Yonos PICO 25/1-8, 30/1-8, $\Delta p-v$ (variable)



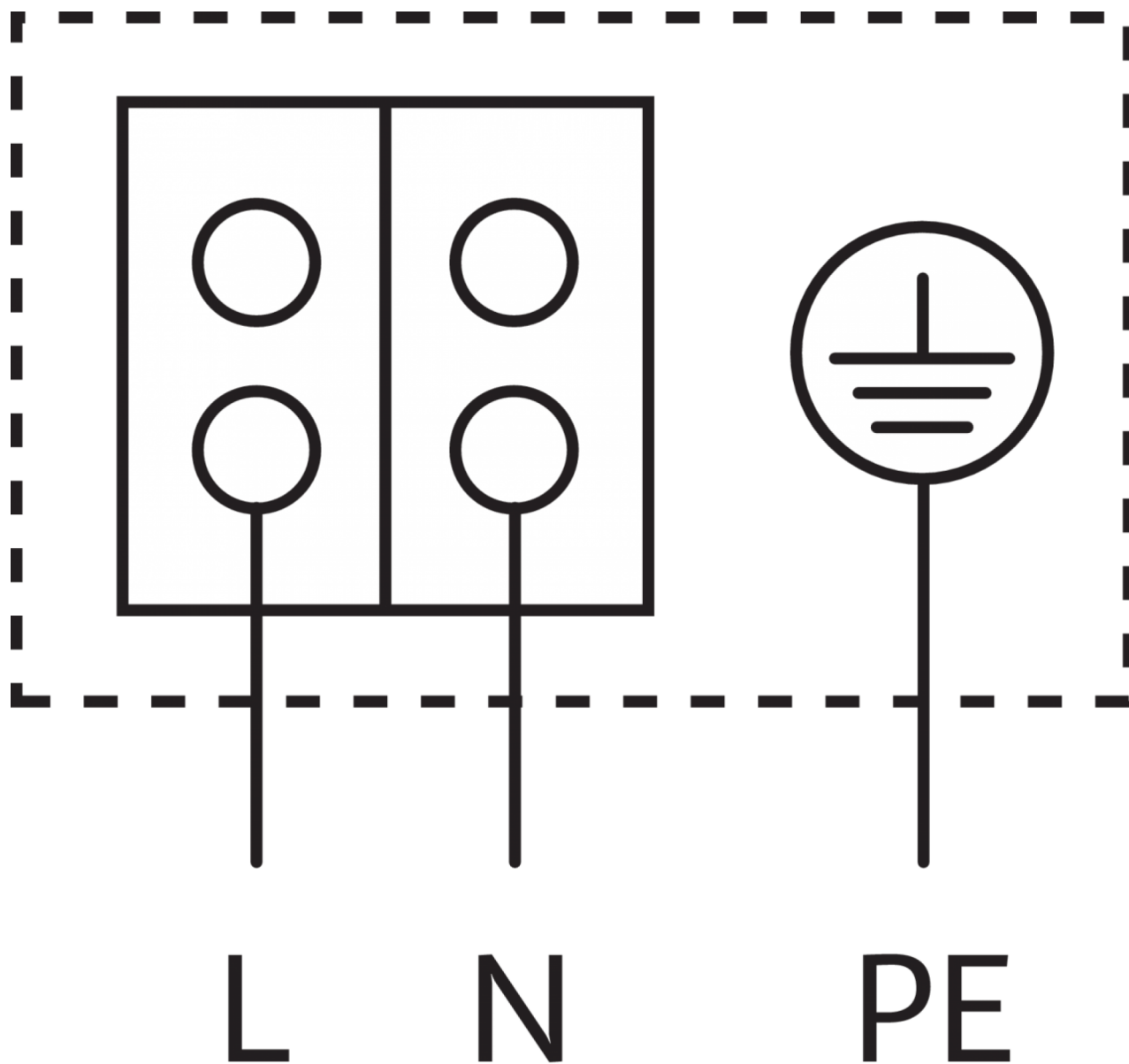
Yonos PICO 25/1-8, 30/1-8, $\Delta p-c$ (constant)

Pump curves: Yonos PICO 25/1-8

Yonos PICO 25/1-8, 30/1-8, Δp_c (constant)



Wiring diagram: Yonos PICO 25/1-8



Blocking current-proof motor

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