

EC WATER PUMP FOR HVAC

PRODUCT SHEET



FEATURES

Frigicoll Model			Bomba 6,0 mca	Bomba 7,5 mca
Model			Yonos PICO1.0 15/1-6	Yonos PICO1.0 25/1-8
Hydraulic data	Flow max Qmax	m ³ /h	3,6	4,4
	Minimum suction head at 50°C (95°C)	m	0,5 (3,0)	
	Fluid temperature range	°C	-10 a +95	
	Ambient temperature range	°C	-10 a +40	
	Maximum operating pressure (PN)	bar	10	
General characteristics	Discharge (DNd) and Suction (DNs) connections	"	G 1"	G 1-1/2"
	Port-to-port length (L0)	mm	130	180
	Net weight	kg	1,8	2,0
	Pump housing		Cast iron	
	Impeller		PP-GF40	
	Shaft		Stainless steel	
	Bearing		Carbon, metal-impregnated	
Motor data	Power input		1~230 V ±10%, 50/60 Hz	
	Motor technology		EC	
	Rated power (P2)	W	30	58
	Working speed range (n)	1/min	700 - 4.200	500 - 4.800
	Power consumption min. / max. (P1)	W	4 - 40	4 - 75
	Threaded cable connection		1 x PG11	
	Insulation class / Protection class		F / IPX4D	

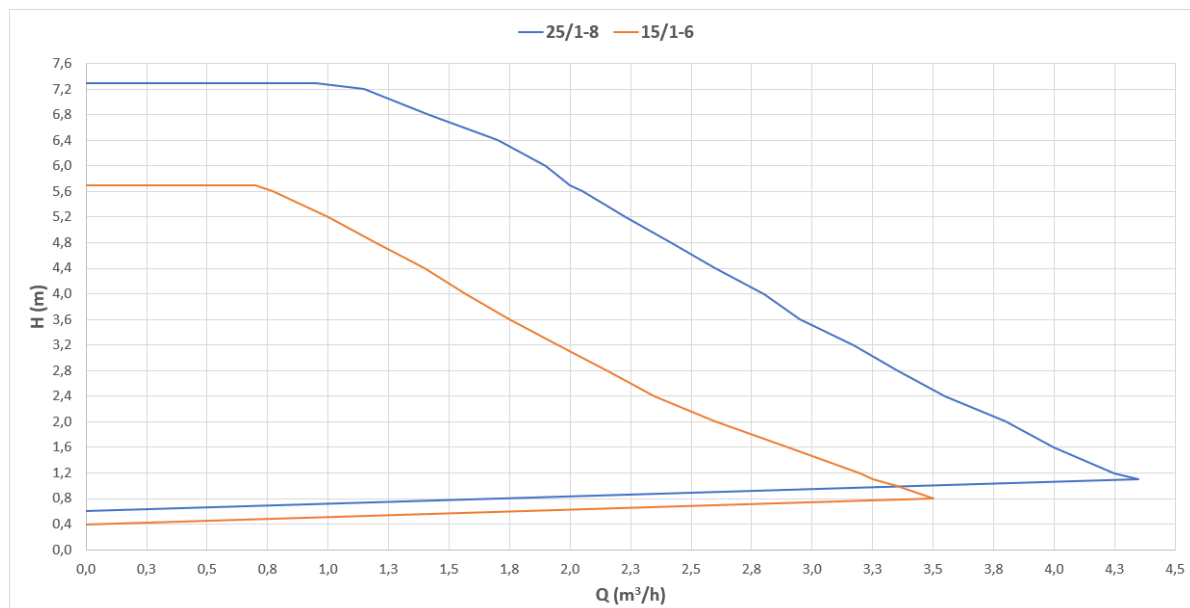
High-efficiency pump, electronically controlled. Maintenance-free glandless circulator with screwed connection, blocking-current proof EC motor and integrated electronic power control for continuous differential pressure control.

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:

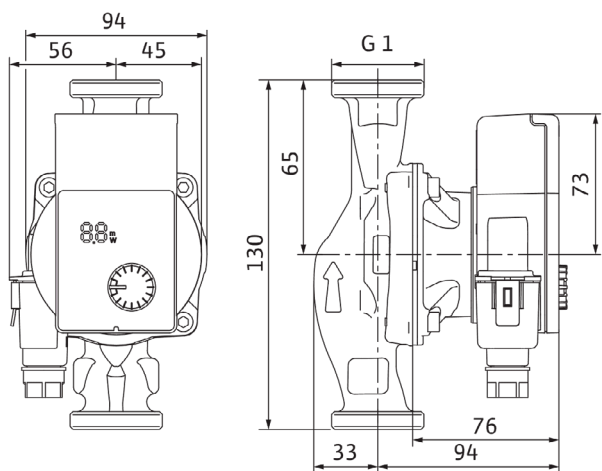
- Preselectable control modes for optimum load adjustment:
Constant differential pressure & Variable differential pressure
- LED display:
Delivery head for setting, current consumption (in watts), error codes and the activated pump venting function
- Manual pump venting function for venting the rotor chamber
- Integrated motor protection
- Automatic deblocking function

PUMP CURVES

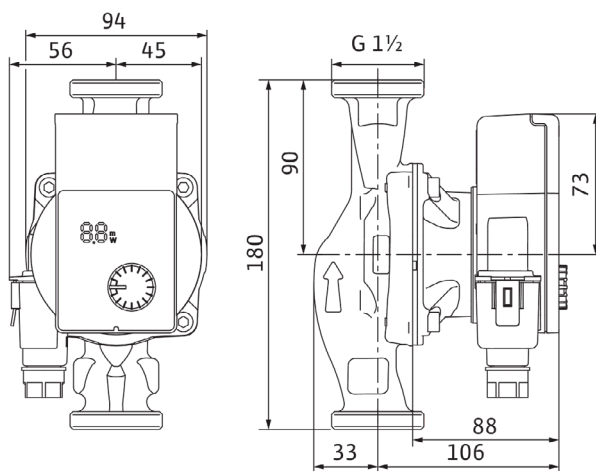


DIMENSIONS

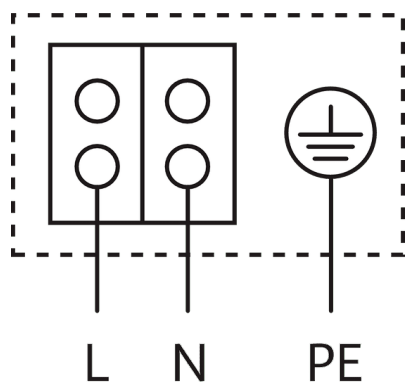
Pump 6.0 mca



Pump 7.5 mca



WIRING DIAGRAM



Blocking current-proof motor

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