

Description

The P331 circulator is of the wet rotor type, driven by a permanent magnet motor. It is equipped with self-adjustment mode, this mode is set by default. The pump starts with the connection to the mains and automatically adapts its performance according to the needs of the system.

The speed control can also be carried out through the modulation of the PWM signal.



Fields of application

Hot water heating systems of all types, in domestic and commercial buildings.

Energy efficiency index

EEI $\leq$ 0.20 - Part 2*

Pumped liquids

- Heating water
- Mixtures of water and glycol with percentages of glycol not exceeding 50%
- Clean, non-aggressive and non-explosive liquids, not containing solid particles, fibres or mineral oils

Pump technical data

Ambient temperature:	-30°C to +70°C
Liquid temperature:	-20°C to +110°C
Temperature range allowed at maximum ambient temperature **:	of 30°C = +30°C to +110°C of 50°C = +50°C to +110°C of 70°C = +70°C to +100°C
System pressure:	Max 1.0 MPa (10 bar)
Minimum pressure at the suction mouth:	0.05 bar at T.F.=75°C
	0.5 bar at T.F.=95°C
	1.08 bar at T.F.=110°C
Maximum relative humidity:	$\leq$ 95%
Sound pressure level:	< 42 dB(A)

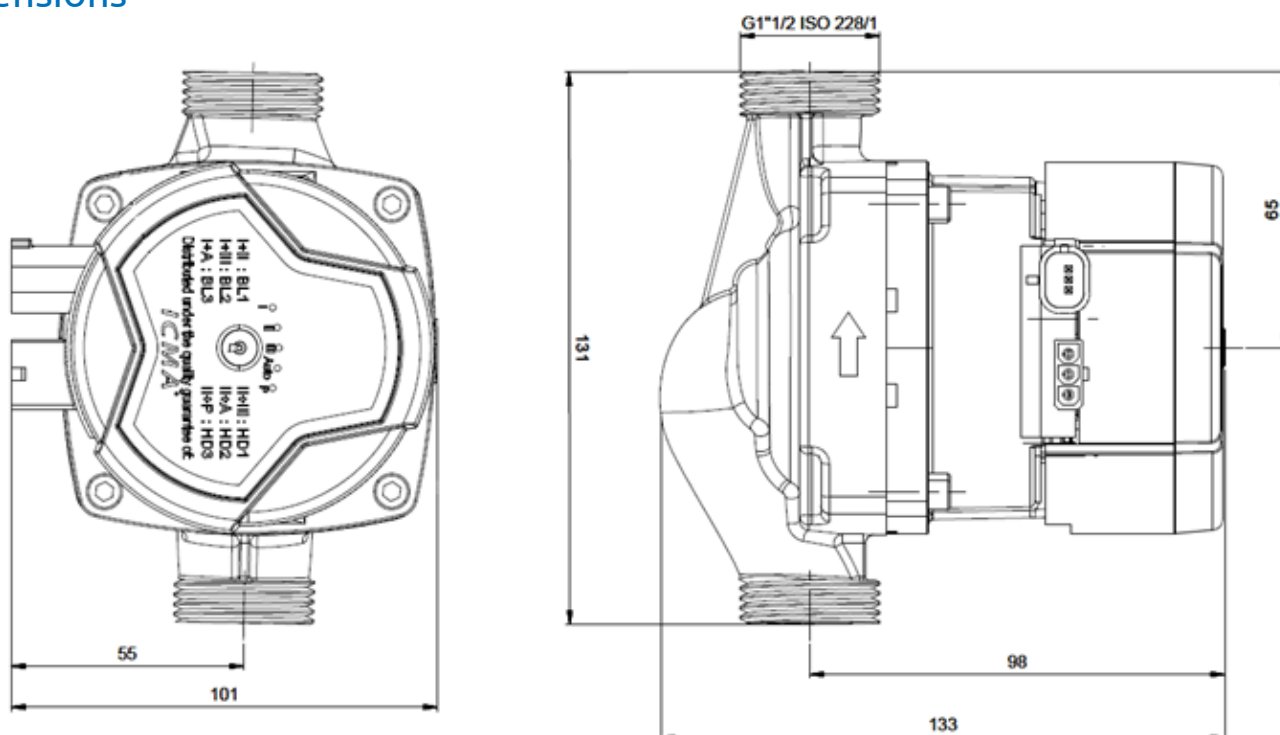
* The benchmark for the most efficient circulators is $IEE \leq 0.20$.

** To avoid condensation in the motor and on the control electronics the temperature of the pumped liquid must be always higher than room temperature.

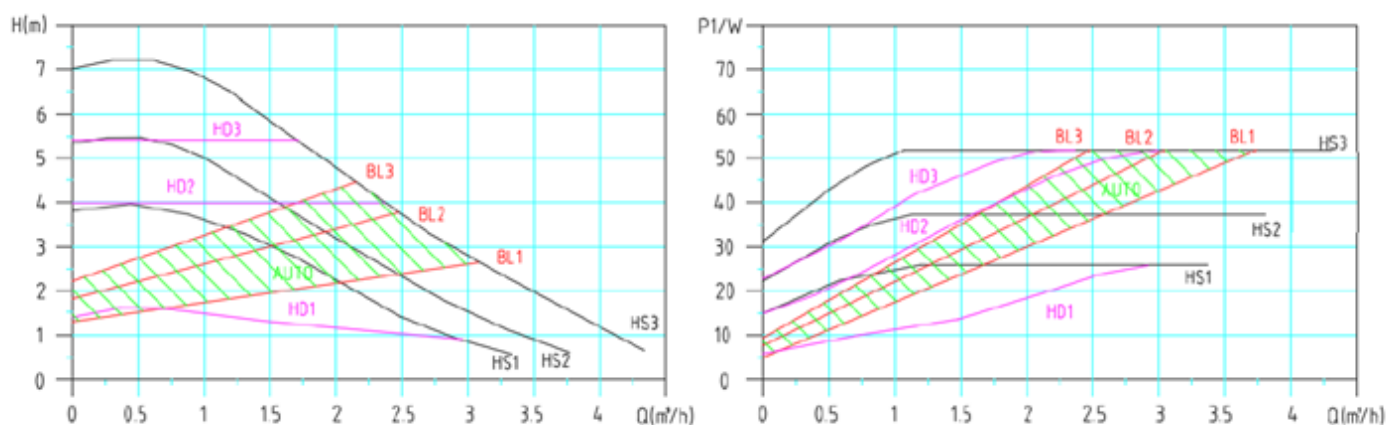
/ Motor technical data

Supply voltage:	1x230 V (±10%); Frequency: 50/60 Hz
Rated power consumption (P1):	Max 52 W
Rated current (I1):	Max 0.45 A
Insulation class:	H
Protection class:	IP44

/ Dimensions



/ Performance and adjustment curves



/ Accessories Provided



Art. C64S1670153
PWM Signal Cable (1 m)



Art. C65S1670153
Linear connector for pump supply (1 m)