DAB
PUMP PERFORMANCE

VA 60/130-1/2”A

CIRCULATOR WITH AIR SEPARATOR FOR HEATING AND AIR-CONDITIONING SYSTEMS

CE

Applications

Pump for circulating hot water in centralised domestic heating and air-conditioning systems of the closed and pressurised or open tank type. Also suitable for solar power installations.
This pump combines a traditional circulator with an air separator.
The system removes the air from the centre of the pump body in order to allow the air separator to work in ideal operating conditions.
The air contained in the pumped liquid is guided by the flow to the separation chamber where the size of the chamber and the internal pressure difference separates it from the liquid. It is then automatically expelled through the relief valve.
The air separator is only available with an ascending flow.

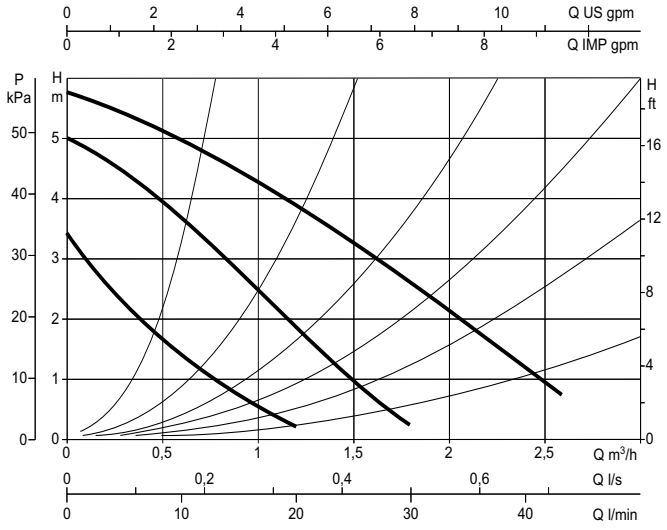
Technical features

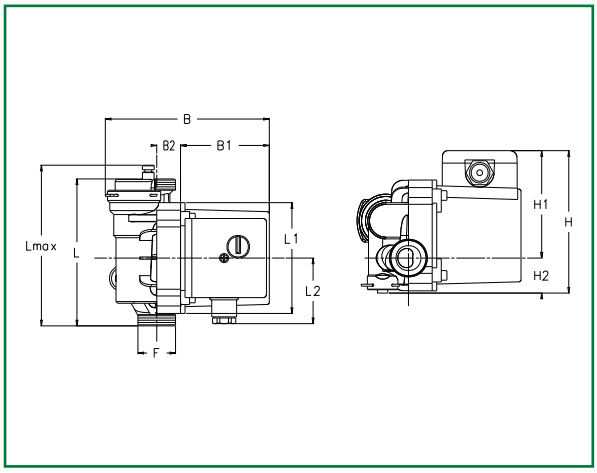
Single body comprising a technopolymer hydraulic unit and a wet rotor motor.
Bronze air separator. Die-cast aluminium motor casing. Technopolymer impeller. Tempered stainless steel driving shaft mounted on graphite bearings lubricated by the pumped liquid.
Stainless steel protective rotor sleeve, stator sleeve and closing flange. Ceramic thrust bearing, E.P.D.M. "O" rings and brass air outlet cap.
Two-pole asynchronous motor with squirrel cage rotor designed for three-speed operation by means of a special switch on the terminal board which automatically adapts performance in relation to system requirements.
Motor self-protected for resistance. No overload protection required.
Protection level: IP 44
Insulation class: F
Cable grommet: PG 11
Working voltage: single-phase 230V/50Hz
This product complies with EN 60335-2-51 European Standard

VA 60/130 - 1/2” A

TECHNICAL DATA

Operating range:	from 0.5 to 2.6 m³/h with head up to 5.8 metres.
Liquid temperature range:	from -10°C to +110°C
Characteristics of pumped liquid:	clean, free from solids and mineral oils, not viscous, chemically neutral and close to the characteristics of water.
Maximum operating pressure:	6 bar (600 kPa) at 20°C; 3 bar (300 kPa) at 110°C.
Minimum head pressure:	2.5 wcm at +90°C.
Installation:	with MOTOR AXIS HORIZONTAL on the delivery or return piping, with the intake mouth as far away as possible from bends, elbows and deviations in order to prevent turbulence and relative noise.





L max	L	L1	L2	B	B1	B2	F	H	H1	H2	PACKAGING DIMENSIONS L	B	H	VOLUME m³	WEIGHT Kg
143	130	98	60	145	78	21	1”	126	95	31	185	150	150	0,0036	1,95

MODEL	VOLTAGE 50 Hz	CENTRE DISTANCE mm	ELECTRICAL DATA SPEED	n r.p.m./min.	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM HEAD PRESSURE
VA 60/130 - 1/2” A	1x230 V ~	130	3 2 1	2090 1480 1002	99 77 51	0,43 0,34 0,23	2,5	450	t° +90°C m.c.a. 2,5

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