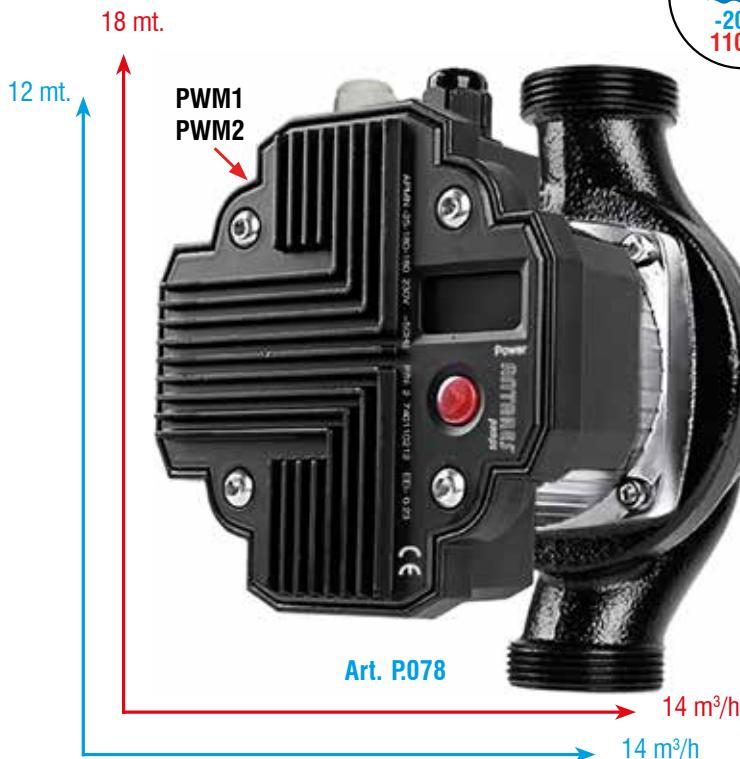
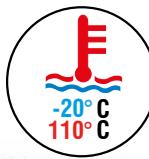


Medium-high flow rate, high efficiency PWM circulators

Medium-high flow rate AlfaPlus 12-18 serie with frontal electronic equipment

CIRCULATOR PUMP
EU Energy Label A
Energy Efficiency Index
EEI < 0,23

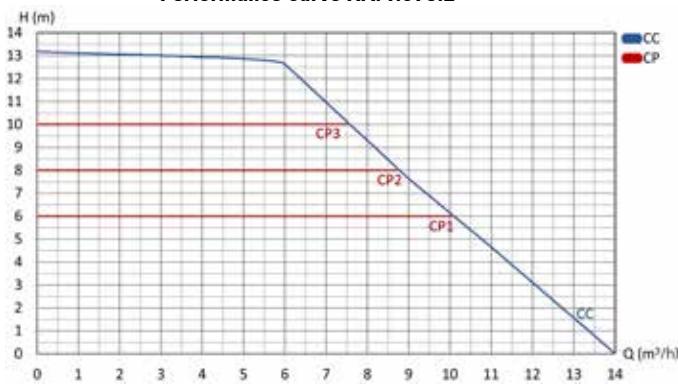
3-YEAR WARRANTY.



Especially suited for heat pumps:

- ▶ Electric box with wide heatsink
- ▶ Liquid temperature: - 20° - 110° C.

Performance curve Art. P078.2-



Art. P078 - "AlfaMajor" wet rotor, high efficiency circulating pump with PWM, suitable for heat pumps, with frontal electronic equipment. Comes with insulating shell. Height H mm 180.

Compliant to European directive 200/125/CE. Flow rate and head as stated in the chart below. 3-year warranty. height 180 mm. Power 360 W.

Item code	Type	Max. head mt	Connections Ø	Max flow rate m³/h.
P.078.20	APMN 25/120	12	1 1/2"	14
P.078.22	APMN 32/120	12	2"	14
P.078.80	APMN 25/180	18	1 1/2"	14
P.078.82	APMN 32/180	18	2"	14

USAGE :

- ▶ Boilers
- ▶ Heat pumps
- ▶ Air-conditioning systems
- ▶ Solar power systems
- ▶ Geothermal systems
- ▶ Biomass heating systems
- ▶ Heat transfer
- ▶ Compliant to European ERP directives with energy efficiency index < 0,23
- ▶ Frequency modulation, with PWM1 or PWM2 controller that can be set for external regulation.

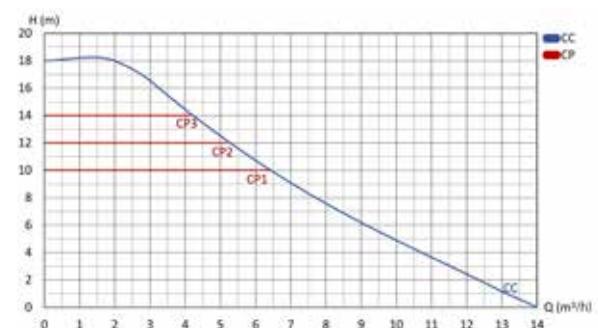
RELEVANT TECHNICAL DATA:

- ▶ Max temp. pumped liquid: -20° - 110° C
- ▶ With electrical stator filled with epoxy resin to avoid condensation and to improve motor's cooling.

GENERAL DATA:

- ▶ Voltage 220 Vac
- ▶ Max. Pressure: 10 bar
- ▶ Protection level: IP 44
- ▶ With selectable PWM1 or PWM2 controller for external regulation

Performance curve Art. P078.8-



Dimensions

