Low Temperature Recirculating Chillers ProfiCool *Genius*
Cooling Capacity 123 kW to 190 kW

Low Temperature Recirculating Chillers ProfiCool *Genius* Zero

- Single-circuit systems including tank open to atmosphere
- Air-cooled cooling machine
- Plate heat exchanger as evaporator
- Plastic tank with water level indicator
- Electronic microprocessor-controlled thermostat with digital display
  - Error messages displayed as individual codes by controller
  - Remote control
- Control cabinet with main switch
- Built-in pump (see pump characteristics)
- High and low pressure manometer
- High and low pressure switch
- Fan controlled by static pressure
- Manometer displaying coolant outlet pressure
- Housing powder-coated, colour RAL 7035 (light grey)

ProfiCool *Genius* Zero PCGEZ 670 with option colour RAL 7043, traffic grey B)

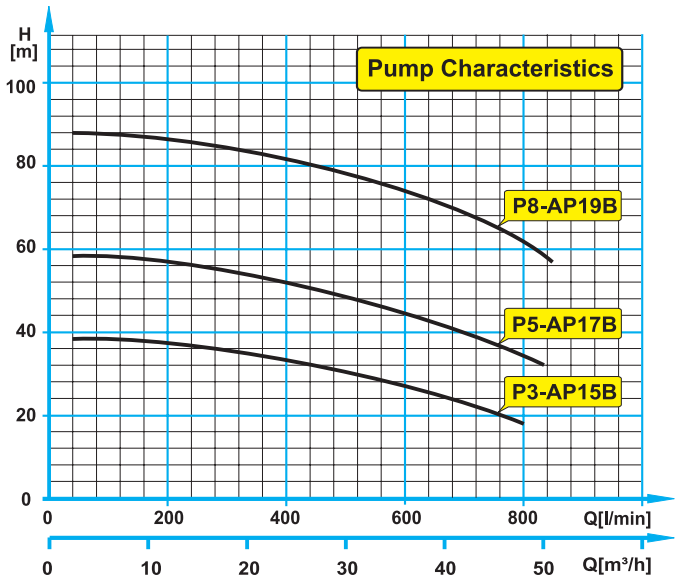
Model ProfiCool *Genius* Zero			PCGEZ 1700
Net cooling capacity at ±0°C/-10°C	kW	:	190.0 / 127.6
Eff. cooling capacity at ±0°C/-10°C	kW	:	186.1 / 123.6
Operating range	°C	:	-15 / ±0
Temperature constancy	K	:	±1.5
Rated coolant flow	m³/h	:	22.4
Pump	type	:	P3-AP15B
Pump pressure *	bar	:	3.3
Tank capacity	litres	:	500
Water connection	Inch	:	G 3" Female
Required flow of cooling air	m³/h	:	43,000
Starting current	Amps	:	213
Power input max.	kW	:	87.9
Operating voltage	Volts/Hz/Phase	:	400/50/3
Weight	kgs	:	2120
Dimensions WxDxH	mm	:	3990x1525x2170
Refrigerant	CFC-free	:	R404A

* Pressure at rated coolant flow.

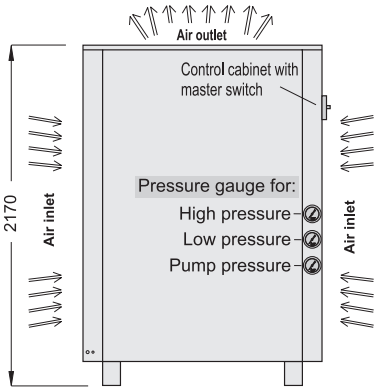
Alternative units: PCGEZ 820

ProfiCool *Genius* Zero + options / accessories:	Cat. No.
ProfiCool Genius PCGEZ 1700.03-NEB	GUPCGEZ1700.03-NEB
Pump P5-AP17B instead of P3-AP15B	MPCGEZ6-P5-AP17B-1700
Pump P8-AP19B instead of P3-AP15B	MPCGEZ6-P8-AP19B-1700
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-1700
Temperature constancy up to ±0.5 K	on request
Low ambient temperature kit	MPCGEZ7-001-1700
Export version with special voltages / frequencies	on request

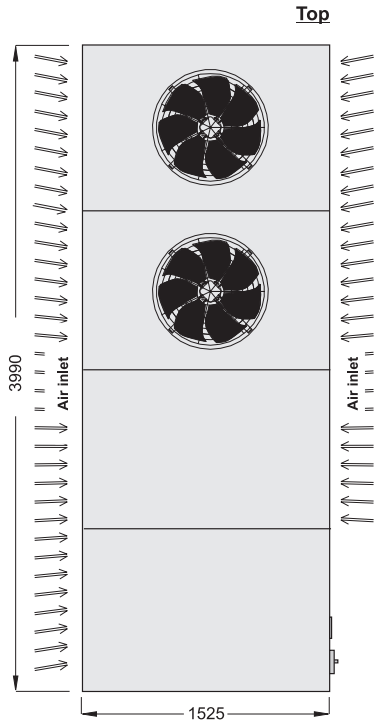
Additional options and accessories as well as pump alternatives on request.



Left side



Top



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Reg. PCGEZ1700-DB-EN-120604

Performance figures at an ambient temperature of + 32°C.