

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
with option colour RAL 7043, traffic grey B)

Model ProfiCool <i>Genius</i> Zero	PCGEZ 670
Net cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 72.1 / 48.4
Eff. cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 71.4 / 47.7
Operating range	$^{\circ}\text{C}$: -15 / ± 0
Temperature constancy	K : ± 1.5
Rated coolant flow	m^3/h : 15.5
Pump	type : P3-AP04B
Pump pressure *	bar : 2.8
Tank capacity	litres : 300
Water connection	Inch : G 1½" Female
Required flow of cooling air	m^3/h : 23,700
Starting current	Amps : 181
Power input max.	kW : 29,5
Operating voltage	Volts/Hz/Phase : 400/50/3
Weight	kgs : 690
Dimensions WxDxH	mm : 2280x1325x1525
Refrigerant	CFC-free : R404A

* Pressure at rated coolant flow.

Alternative units: PCGEZ 480 and PCGEZ 820

ProfiCool *Genius* Zero + options / accessories: Cat. No.

ProfiCool Genius PCGEZ 670.03-NEB	GUPCCEZ670.03-NEB
Pump P5-AP07B instead of P3-AP04B	MPCGEZ6-P5-AP07B-670
Pump P8-AP09B instead of P3-AP04B	MPCGEZ6-P8-AP09B-670
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-670
Temperature constancy up to $\pm 0.5^{\circ}\text{C}$	on request
Low ambient temperature kit	MPCGEZ7-001-670
Export version with special voltages / frequencies	on request

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

