

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 180	PCGEZ 240
Net cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 17.8 / 11.9	23.3 / 15.6
Eff. cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 17.3 / 11.5	22.8 / 15.2
Operating range	$^{\circ}\text{C}$: -15 / ± 0	-15 / ± 0
Temperature constancy	K : ± 1.5	± 1.5
Rated coolant flow	m^3/h : 2.0	2.7
Pump	type : P3-AR02B	P3-AR02B
Pump pressure *	bar : 2.8	2.7
Tank capacity	litres : 100	100
Water connection	Inch : G 1" Female	G 1" Female
Required flow of cooling air	m^3/h : 7,700	6,800
Starting current	Amps : 107.0	132.0
Power input max.	kW : 8.8	11.0
Operating voltage	Volts/Hz/Phase : 400/50/3	400/50/3
Weight	kgs : 260	270
Dimensions WxDxH	mm : < 760x1325x1525 >	
Refrigerant	CFC-free : R404A	R404A

* Pressure at rated coolant flow.

Alternative units: PCGEZ 160 und 300

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

ProfiCool <i>Genius</i> PCGEZ 180.03-NEB	GUPCCEZ180.03-NEB
ProfiCool <i>Genius</i> PCGEZ 240.03-NEB	GUPCCEZ240.03-NEB
Pump P5-AS13B instead of P3-AR02B	MPCGEZ6-P5-AS13B-240
Pump P8-AM47B instead of P3-AR02B	MPCGEZ6-P8-AM47B-240
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-240
4 swivel castors, 2 with brakes	ZPCGEZ5-021-240
Temperature constancy up to ± 0.5 K	on request
Low ambient temperature kit	MPCGEZ7-001-240
Export version with special voltages / frequencies	on request

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

