

Low Temperature Recirculating Chillers ProfiCool Genius Zero

- Single-circuit systems including tank open to atmosphere
- Air-cooled cooling machine
- Plastic tank with water level indicator
- Electronic microprocessor-controlled thermostat with digital display
 - Error messages displayed as individual codes by controller
- Control cabinet with main switch
- Built-in pump (see pump characteristics)
- High and low pressure switch
- Fan controlled by static pressure
- Manometer displaying coolant outlet pressure
- Housing powder-coated, colour RAL 7043 (traffic grey B)



ProfiCool Genius Zero

Model ProfiCool Genius Zero PCGEZ 100

Refrigerant	CFC-free : R404A
Net cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 8.6 / 5.8
Eff. cooling capacity at $\pm 0^{\circ}\text{C}/-10^{\circ}\text{C}$	kW : 8.2 / 5.3
Operating range	$^{\circ}\text{C}$: $-15 / \pm 0$
Temperature constancy	K : ± 1.5
Rated coolant flow	m^3/h : 1.2
Pump type	P6-BR12B
Pump pressure *	bar : 3.9
Tank capacity	litres : 70
Water connection	Inch : R $\frac{3}{4}$ " Female
Required flow of cooling air	m^3/h : 4,600
Starting current	Amps : 57.0
Power input max.	kW : 4.4
Operating voltage	Volts/Hz/Phase : 400/50/3
Weight	kgs : 140
Dimensions WxDxH	mm : 760x760x1335

* Pressure at rated coolant flow.

Alternative units: PCGEZ 70 und 160

ProfiCool Genius Zero + options / accessories:

Cat. No.

ProfiCool Genius PCGEZ 100.03-NEB	GUPCGEZ100.03-NEB
Pump P7-BR17B instead of P6-BR12B	MPCGEZ6-P7-BR17B-100
Pump P7-AT06B instead of P6-BR12B	MPCGEZ6-P7-AT06B-100
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-100
4 swivel castors, 2 with brakes	ZPCGEZ5-021-100
Temperature constancy up to ± 0.5 K	on request
Export version with special voltages / frequencies	on request

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

