

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
- 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 Genius Zero	PCGEZ 300	PCGEZ 360	PCGEZ 480
Refrigerant	CFC-free : R404A	R404A	R404A
Net cooling capacity at $\pm 0^\circ\text{C}/-10^\circ\text{C}$	kW : 29.0 / 19.4	35.6 / 23.9	46.6 / 31.2
Eff. cooling capacity at $\pm 0^\circ\text{C}/-10^\circ\text{C}$	kW : 28.4 / 18.8	35.0 / 23.3	45.9 / 30.5
Operating range	$^\circ\text{C}$: -15 / ± 0	-15 / ± 0	-15 / ± 0
Temperature constancy	K : ± 1.5	± 1.5	± 1.5
Rated coolant flow	m^3/h : 3.3	4.1	5.4
Pump	type : P3-AR11B	P3-AR11B	P3-AR22B
Pump pressure *	bar : 2.7	2.6	2.6
Tank capacity	litres : 100	100	100
Water connection	Inch : < R 1" Female >		
Required flow of cooling air	m^3/h : 15,400	15,400	13,600
Starting current	Amps : 113.0	131.0	163.0
Power input max.	kW : 14.0	17.3	21.7
Operating voltage	Volts/Hz/Phase : 400/50/3	400/50/3	400/50/3
Weight	kgs : 440	440	470
Dimensions WxDxH	mm : < 1520x1325x1525 >		

* Pressure at rated coolant flow.

Alternative units: PCGEZ 240

ProfiCool Genius Zero + options / accessories:

Cat. No.

ProfiCool Genius PCGEZ 300.03-NEB	GUPCGEZ300.03-NEB
ProfiCool Genius PCGEZ 360.03-NEB	GUPCGEZ360.03-NEB
ProfiCool Genius PCGEZ 480.03-NEB	GUPCGEZ480.03-NEB
Pump P4-AS22B instead of P3-AR11B	MPCGEZ6-P4-AS22B-360
Pump P8-AT27B instead of P3-AR11B	MPCGEZ6-P8-AT27B-360
Pump P4-AS22B instead of P3-AR22B	MPCGEZ6-P4-AS22B-480
Pump P7-AP08B instead of P3-AR22B	MPCGEZ6-P7-AP08B-480
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-480
4 swivel castors, 2 with brakes	ZPCGEZ5-021-480
Temperature constancy up to ± 0.5 K	on request
Low ambient temperature kit	MPCGEZ7-001-480
Export version with special voltages / frequencies	on request

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

