

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
(with option castors)

Model ProfiCool Genius Zero	PCGEZ 37	PCGEZ 50	PCGEZ 70
Refrigerant	CFC-free : R404A	R404A	R404A
Net cooling capacity at $\pm 0^\circ\text{C}/-10^\circ\text{C}$	kW : 2.9 / 1.9	3.9 / 2.7	5.5 / 3.7
Eff. cooling capacity at $\pm 0^\circ\text{C}/-10^\circ\text{C}$	kW : 2.7 / 1.7	3.7 / 2.4	5.2 / 3.4
Operating range	$^\circ\text{C}$: $-15 / \pm 0$	$-15 / \pm 0$	$-15 / \pm 0$
Temperature constancy	K : ± 1.5	± 1.5	± 1.5
Rated coolant flow	m^3/h : 0.6	0.6	0.6
Pump	type : P3-BR11B	P3-BR11B	P3-BR11B
Pump pressure *	bar : 2.9	2.9	2.9
Tank capacity	litres : 30	30	30
Water connection	Inch :	< R $\frac{3}{4}$ " Female >	
Required flow of cooling air	m^3/h : 2,600	2,300	2,100
Starting current	Amps : 23.0	28.0	41.0
Power input max.	kW : 1.9	2.4	3.1
Operating voltage	Volts/Hz/Phase : 400/50/3	400/50/3	400/50/3
Weight	kgs : 99	110	123
Dimensions WxDxH	mm :	< 580x650x920 >	

* Pressure at rated coolant flow.

Alternative units: PCGEZ 12 und 100

ProfiCool Genius Zero + options / accessories:

Cat. No.

ProfiCool Genius PCGEZ 37.03-NEB	GUPCGEZ037.03-NEB
ProfiCool Genius PCGEZ 50.03-NEB	GUPCGEZ050.03-NEB
ProfiCool Genius PCGEZ 70.03-NEB	GUPCGEZ070.03-NEB
Pump P6-BR12B instead of P3-BR11B	MPCGEZ6-P6-BR12B-070
Pump P7-BR17B instead of P3-BR11B	MPCGEZ6-P7-BR17B-070
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-070
4 swivel castors, 2 with brakes	ZPCGEZ5-021-070
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.

