

Recirculating Chillers ProfiCool Genius

- 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 switch
- Fan controlled by static pressure
- Manometer displaying coolant outlet pressure
- Housing powder-coated, colour RAL 7035 (light grey)



ProfiCool Genius (with option colour RAL 7043, traffic grey B)

Model ProfiCool Genius	PCGE 101	PCGE 131	PCGE 151
Net cooling capacity at +20/+15°C	kW : 9.3 / 8.7	12.5 / 11.7	14.3 / 13.4
Eff. cooling capacity at +20/+15°C	kW : 8.8 / 8.2	12.0 / 11.2	13.8 / 12.9
Operating range *	°C : +5 / +25	+5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5	±1.5
Rated coolant flow	m³/h : 1.5	2.0	2.3
Pump	type : P6-BR12B	P6-BR12B	P3-AR02B
Pump pressure **	bar : 3.3	2.4	2.9
Tank capacity	litres : 60	60	60
Water connection	Inch : G ¾" Female	G ¾" Female	G ¾" Female
Required flow of cooling air	m³/h : 4,600	4,200	6,000
Starting current	Amps : 48	53	62
Power input max.	kW : 2.7	3.3	4.2
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3	400/50/3
Weight	kgs : 140	150	170
Dimensions WxDxH	mm : 760x760x1335	760x760x1335	760x760x1385
Refrigerant	CFC-free : R407C	R407C	R407C

* Set temperatures <+5°C and >+25°C on request.

** Pressure at rated coolant flow.

Alternative units: PCGE 71, PCGE 160, PCPR 085 and PCPR 105

ProfiCool Genius + options / accessories:

Cat. No.

ProfiCool Genius PCGE 101.01-NEB	GUPCGE0101.01-NEB
ProfiCool Genius PCGE 131.01-NEB	GUPCGE0131.01-NEB
ProfiCool Genius PCGE 151.01-NEB	GUPCGE0151.01-NEB
Pump P7-BR17B instead of P6-BR12B	MPCGE6-P7-BR17B-0101
Pump P7-AM23B instead of P6-BR12B	MPCGE6-P7-AM23B-0101
Pump P7-BR17B instead of P6-BR12B	MPCGE6-P7-BR17B-0131
Pump P9-AM26B instead of P6-BR12B	MPCGE6-P9-AM26B-0131
Pump P5-AS13B instead of P3-AR02B	MPCGE6-P5-AS13B-0151
Pump P7-AM46B instead of P3-AR02B	MPCGE6-P7-AM46B-0151
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-0151
4 swivel castors, 2 with brakes	ZPCGE5-021-0151
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.

