

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



PCGE 1090
(with option colour RAL 7043, traffic grey B
PCGE 1450, 1800, 2100 with two and PCGE 2600 with three fans)

Model ProfiCool Genius	PCGE 1450	PCGE 1800	PCGE 2100	PCGE 2600
Net cooling capacity at +20/+15°C	kW : 139.2 / 130.5	172.8 / 162.0	196.8 / 184.5	244.8 / 229.5
Eff. cooling capacity at +20/+15°C	kW : 135.2 / 126.5	168.8 / 158.0	191.3 / 179.0	239.3 / 224.0
Operating range *	°C : +5 / +25	+5 / +25	+5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5	±1.5	±1.5
Rated coolant flow	m³/h : 22.4	27.9	31.7	39.5
Pump	type : P3-AP15B	P3-AP15B	P3-AP34B	P3-AP34B
Pump pressure **	bar : 3.3	3.1	3.1	2.9
Tank capacity	litres : 500	500	500	500
Water connection	Inch : G 3" Female	G 3" Female	G 3" Female	G 3" Female
Required flow of cooling air	m³/h : 43,000	44,000	48,000	69,000
Starting current	Amps : 213	251	339	403
Power input max.	kW : 37.6	46.4	52.1	59.0
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3	400/50/3	400/50/3
Weight	kgs : 1780	1880	1840	1930
Dimensions WxDxH	mm :	< 3990x1525x2170 >		
Refrigerant	CFC-free : R407C	R407C	R407C	R407C

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

** Pressure at rated coolant flow.

Alternative units: PCGE 1250 and PCGE 3150

ProfiCool Genius + options / accessories: Cat. No.

ProfiCool Genius PCGE 1450.01-NEB	GUPCGE1450.01-NEB
ProfiCool Genius PCGE 1800.01-NEB	GUPCGE1800.01-NEB
ProfiCool Genius PCGE 2100.01-NEB	GUPCGE2100.01-NEB
ProfiCool Genius PCGE 2600.01-NEB	GUPCGE2600.01-NEB
Pump P5-AP17B instead of P3-AP15B	MPCGE6-P5-AP17B-1800
Pump P8-AP19B instead of P3-AP15B	MPCGE6-P8-AP19B-1800
Pump P6-AP18B instead of P3-AP34B	MPCGE6-P6-AP18B-2100
Pump P8-AP19B instead of P3-AP34B	MPCGE6-P8-AP19B-2100
Pump P6-AP37B instead of P3-AP34B	MPCGE6-P6-AP37B-2600
Pump P8-AP39B instead of P3-AP34B	MPCGE6-P8-AP39B-2600
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-2600
Temperature constancy up to ±0.5 K	on request
Low ambient temperature kit	MPCGE7-001-2600
Export version with special voltages / frequencies	on request
Flange connection	on request

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

