

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
- 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 : R 3" Female	R 3" Female	R 3" Female	R 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 accuracy 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.

