

### 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)



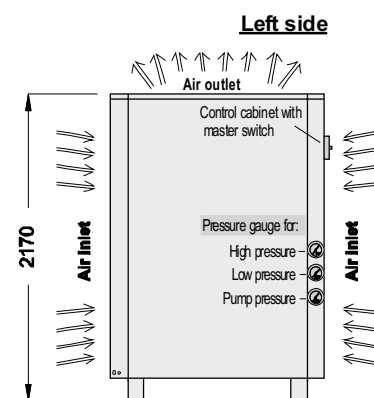
PCGE 1090  
(with option colour RAL 7043, traffic grey B)  
PCGE 3150 with three and PCGE 3650 with four fans)

Model ProfiCool Genius	PCGE 3150	PCGE 3650
Net cooling capacity at +20/+15°C	kW : 302.4 / 283.5	350.4 / 328.5
Eff. cooling capacity at +20/+15°C	kW : 294.9 / 276.0	342.9 / 321.0
Operating range *	°C : +5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5
Rated coolant flow	m³/h : 48.8	56.5
Pump	type : P4-AP35B	P4-AP35B
Pump pressure **	bar : 3.5	3.3
Tank capacity	litres : 500	500
Water connection	Inch : R 3" Female	R 3" Female
Required flow of cooling air	m³/h : 71,400	92,000
Starting current	Amps : 394	468
Power input max.	kW : 78.0	89.9
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3
Weight	kgs : 2380	2510
Dimensions WxDxH	mm : 4990x1525x2170	4990x1525x2170
Refrigerant	CFC-free : R407C	R407C

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

\*\* Pressure at rated coolant flow.

**Alternative units:** PCGE 2600



### ProfiCool Genius + options / accessories:

### Cat. No.

ProfiCool Genius PCGE 3150.01-NEB GUPCCE3150.01-NEB  
ProfiCool Genius PCGE 3650.01-NEB GUPCCE3650.01-NEB

Pump P7-AP38B instead of P4-AP35B MPCGE6-P7-AP38B-3650  
Pump P8-AP39B instead of P4-AP35B MPCGE6-P8-AP39B-3650  
Continuous-flow system without tank and/or without pump on request  
Overflow by-pass valve ZPCGE6-041-3650  
Temperature constancy up to ±0.5 K on request  
Low ambient temperature kit MPCGE7-001-3650  
Export version with special voltages / frequencies on request  
Flange connection on request

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

