

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)

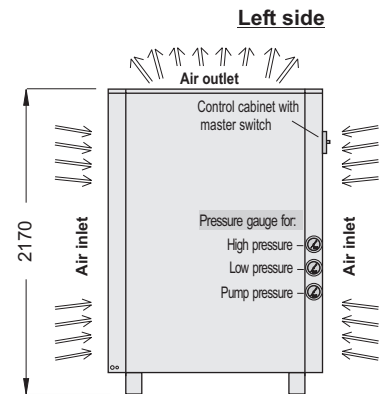


PCGE 1090
(with option colour RAL 7043, traffic grey B
PCGE 3150 with three and PCGE 3650 with four fans)

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 : G 3" Female	G 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	GUPCGE3150.01-NEB
ProfiCool Genius PCGE 3650.01-NEB	GUPCGE3650.01-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.

