

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)

Model ProfiCool Genius	PCGE 1200
Net cooling capacity at +20/+15°C kW :	115.2 / 108.0
Eff. cooling capacity at +20/+15°C kW :	113.2 / 105.8
Operating range * °C :	+5 / +25
Temperature constancy K :	±1.5
Rated coolant flow m³/h :	18.6
Pump type :	P3-AP04B
Pump pressure ** bar :	2.5
Tank capacity litres :	300
Water connection Inch :	R 2" Female
Required flow of cooling air m³/h :	26,800
Starting current Amps :	216
Power input max. kW :	28.2
Operating voltage volt/Hz/phase :	400/50/3
Weight kgs :	800
Dimensions WxDxH mm :	3040x1325x1525
Refrigerant CFC-free :	R407C

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

** Pressure at rated coolant flow.

Alternative units: PCGE 1090 and PCGE 1450

ProfiCool Genius + options / accessories: Cat. No.

ProfiCool Genius PCGE 1250.01-NEB	GUPCGE1200.01-NEB
Pump P5-AP07B instead of P3-AP04B	MPCGE6-P5-AP07B-1200
Pump P8-AP09B instead of P3-AP04B	MPCGE6-P8-AP09B-1200
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-1200
Temperature constancy up to ±0.5 K	on request
Low ambient temperature kit	MPCGE7-001-1200
Export version with special voltages / frequencies	on request

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

