

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)



ProfiCool Genius
(with option colour RAL 7043, traffic grey B)

Model ProfiCool Genius	PCGE 430	PCGE 530	PCGE 600
Net cooling capacity at +20/+15°C	kW : 41.3 / 38.7	50.9 / 47.7	57.6 / 54.0
Eff. cooling capacity at +20/+15°C	kW : 40.4 / 37.8	49.4 / 46.2	56.1 / 52.5
Operating range *	°C : +5 / +25	+5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5	±1.5
Rated coolant flow	m³/h : 6.7	8.2	9.3
Pump	type : P3-AR22B	P2-AR33B	P2-AR33B
Pump pressure **	bar : 2.5	2.4	2.3
Tank capacity	litres : 200	200	200
Water connection	Inch : R 1½" Female	R 1½" Female	R 1½" Female
Required flow of cooling air	m³/h : 15,200	13,400	13,400
Starting current	Amps : 123	149	179
Power input max.	kW : 10.6	13.1	15.3
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3	400/50/3
Weight	kgs : 380	400	430
Dimensions WxDxH	mm : < 1520x1325x1525 >		
Refrigerant	CFC-free : R407C	R407C	R407C

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

** Pressure at rated coolant flow.

Alternative units: PCGE 300 and PCGE 680

ProfiCool Genius+ options / accessories:

Cat. No.

ProfiCool Genius PCGE 430.01-NEB	GUPCGE0430.01-NEB
ProfiCool Genius PCGE 530.01-NEB	GUPCGE0530.01-NEB
ProfiCool Genius PCGE 600.01-NEB	GUPCGE0600.01-NEB
Pump P5-AS23B instead of P3-AR22B	MPCGE6-P5-AS23B-0430
Pump P7-AP08B instead of P3-AR22B	MPCGE6-P7-AP08B-0430
Pump P4-AS32B instead of P2-AR33B	MPCGE6-P4-AS32B-0600
Pump P7-AP08B instead of P2-AR33B	MPCGE6-P7-AP08B-0600
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-0600
4 swivel castors, 2 with brakes	ZPCGE5-021-0600
Temperature constancy up to ±0.5 K	on request
Low ambient temperature kit	MPCGE7-001-0600
Export version with special voltages / frequencies	on request

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

