

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 160	PCGE 190	PCGE 250	PCGE 300
Net cooling capacity at +20/+15°C	kW : 15.8 / 14.9	18.2 / 17.1	22.8 / 21.3	27.8 / 26.1
Eff. cooling capacity at +20/+15°C	kW : 15.3 / 14.4	17.7 / 16.6	22.1 / 20.6	27.1 / 25.4
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 : 2.6	2.9	3.7	4.5
Pump	type : P3-AR02B	P3-AR02B	P3-AR11B	P3-AR11B
Pump pressure **	bar : 2.7	2.6	2.7	2.6
Tank capacity	litres : 100	100	100	100
Water connection	Inch : R 1" Female	R 1" Female	R 1" Female	R 1" Female
Required flow of cooling air	m³/h : 7,600	7,600	6,700	7,900
Starting current	Amps : 62	72	90	133
Power input max.	kW : 4.4	5.1	6.1	8.1
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3	400/50/3	400/50/3
Weight	kgs : 220	230	240	280
Dimensions WxDxH	mm : < 760x1325x1525 >			
Refrigerant	CFC-free : R407C	R407C	R407C	R407C

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

** Pressure at rated coolant flow.

Alternative units: PCGE 151 and PCGE 430

ProfiCool Genius + options / accessories:

Cat. No.

ProfiCool Genius PCGE 160.01-NEB
ProfiCool Genius PCGE 190.01-NEB
ProfiCool Genius PCGE 250.01-NEB
ProfiCool Genius PCGE 300.01-NEB

GUPCGE0160.01-NEB
GUPCGE0190.01-NEB
GUPCGE0250.01-NEB
GUPCGE0300.01-NEB

Pump P5-AS13B instead of P3-AR02B
Pump P9-AT08B instead of P3-AR02B
Pump P5-AS13B instead of P3-AR02B
Pump P11-AT09B instead of P3-AR02B
Pump P5-AS23B instead of P3-AR11B
Pump P11-AT29B instead of P3-AR11B
Continuous-flow system without tank and/or without pump
Overflow by-pass valve
4 swivel castors, 2 with brakes
Temperature constancy up to ±0.5 K
Low ambient temperature kit
Export version with special voltages / frequencies

MPCGE6-P5-AS13B-0160
MPCGE6-P9-AT08B-0160
MPCGE6-P5-AS13B-0190
MPCGE6-P11-AT09B-0190
MPCGE6-P5-AS23B-0300
MPCGE6-P11-AT29B-0300
on request
ZPCGE6-041-0300
ZPCGE5-021-0300
on request
MPCGE7-001-0300
on request

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

