

### 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 680	PCGE 770
Net cooling capacity at +20/+15°C	kW : 65.3 / 61.2	71.0 / 66.6
Eff. cooling capacity at +20/+15°C	kW : 63.5 / 59.4	69.2 / 64.8
Operating range *	°C : +5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5
Rated coolant flow	m³/h : 10.5	11.5
Pump	type : P3-AR34B	P3-AR34B
Pump pressure **	bar : 2.6	2.5
Tank capacity	litres : 200	200
Water connection	Inch : R 1½" Female	R 1½" Female
Required flow of cooling air	m³/h : 15,800	15,800
Starting current	Amps : 156	148
Power input max.	kW : 17.8	20.3
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3
Weight	kgs : 480	510
Dimensions WxDxH	mm : 1520x1325x1525	1520x1325x1525
Refrigerant	CFC-free : R407C	R407C

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

\*\* Pressure at rated coolant flow.

**Alternative units:** PCGE 600 and PCGE 1090

### ProfiCool Genius + options / accessories:

### Cat. No.

ProfiCool Genius PCGE 680.01-NEB

GUPCGE0680.01-NEB

ProfiCool Genius PCGE 770.01-NEB

GUPCGE0770.01-NEB

Pump P5-AP06B instead of P3-AR34B

MPCGE6-P5-AP06B-0770

Pump P7-AP08B instead of P3-AR34B

MPCGE6-P7-AP08B-0770

Continuous-flow system without tank and/or without pump on request

Overflow by-pass valve

ZPCGE6-041-0770

4 swivel castors, 2 with brakes

ZPCGE5-021-0770

Temperature constancy up to ±0.5 K

on request

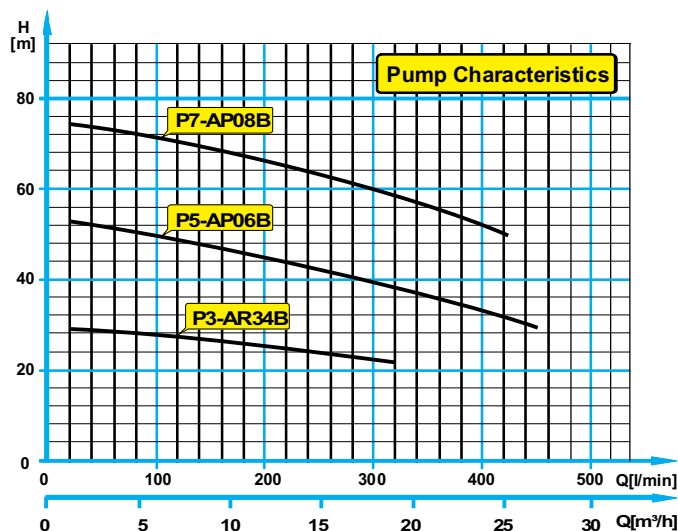
Low ambient temperature kit

MPCGE7-001-0770

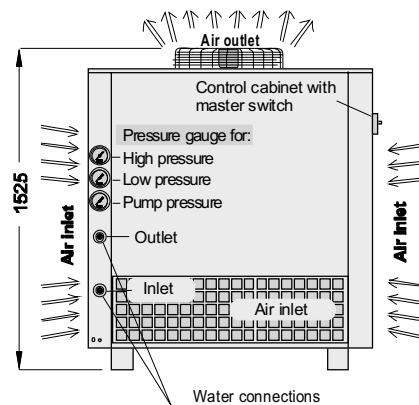
Export version with special voltages / frequencies

on request

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



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