

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 switch
- Fan controlled by static pressure
- Manometer displaying coolant outlet pressure
- Housing powder-coated, colour RAL 7043 (traffic grey B)



ProfiCool Genius (with option castors)

Model ProfiCool Genius	PCGE 31	PCGE 41	PCGE 61	PCGE 71
Net cooling capacity at +20/+15°C	kW : 2.8 / 2.6	3.7 / 3.5	5.3 / 5.0	6.4 / 6.0
Eff. cooling capacity at +20/+15°C	kW : 2.4 / 2.2	3.3 / 3.1	4.9 / 4.6	6.0 / 5.6
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 : 0.6	0.7	1.0	1.1
Pump	type : P3-BR11x	P3-BR11x	P3-BR11B	P3-BR11B
Pump pressure **	bar : 2.9	2.8	2.2	2.1
Tank capacity	litres : 30	30	30	30
Water connection	Inch : G ¾" Female	G ¾" Female	G ¾" Female	G ¾" Female
Required flow of cooling air	m³/h : 2,600	2,300	2,100	2,100
Starting current 230V/400V	Amps : 35 / 14	32 / 14	— / 25	— / 46
Power input max. 230V/400V	kW : 1.4 / 1.4	1.6 / 1.6	— / 2.2	— / 1.8
Operating voltage	Models -NEA : 230/50/1	230/50/1	—	—
volt/Hz/phase	Models -NEB : 400/50/3	400/50/3	400/50/3	400/50/3
Weight	kgs : 99	110	123	125
Dimensions WxDxH	mm : 580x650x920	580x650x920	580x650x920	580x650x920
Refrigerant	CFC-free : R134a	R134a	R134a	R134a

* Set temperatures <+5°C and >+25°C on request.
 ** Pressure at rated coolant flow.

Alternative units: PCGE 25, PCGE 28, PCGE 101, PCNO 30, PCPR 025 to PCPR 055

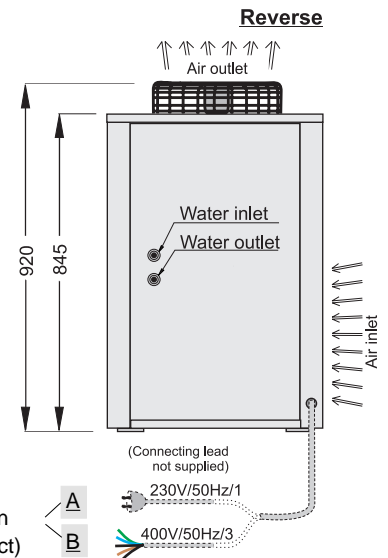
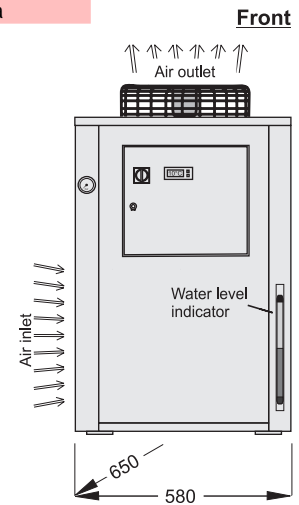
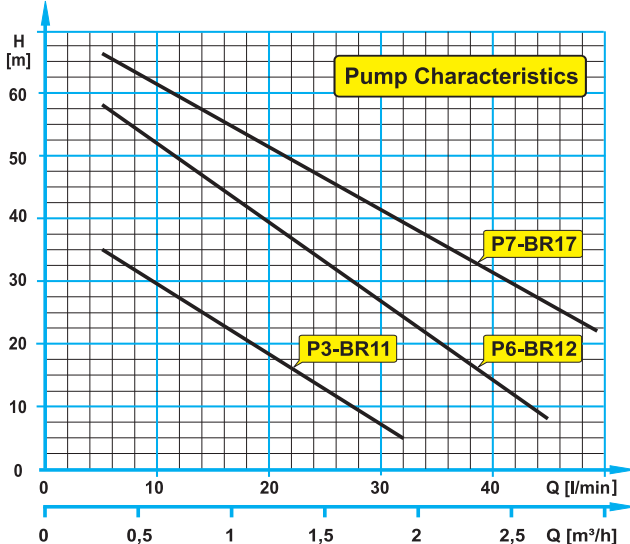
ProfiCool Genius + options / accessories:

	Cat. No.
ProfiCool Genius PCGE 31.02-NEA	GUPCGE0031.02-NEA
ProfiCool Genius PCGE 41.02-NEA	GUPCGE0041.02-NEA
ProfiCool Genius PCGE 61.02-NEB	GUPCGE0061.02-NEB
ProfiCool Genius PCGE 71.02-NEB	GUPCGE0071.02-NEB

All models also in -NEB (400V/50Hz/3Ph) available.

Pump P6-BR12 instead of P3-BR11	MPCGE6-P6-BR12x-0071
Pump P7-BR17 instead of P3-BR11	MPCGE6-P7-BR17x-0071
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-0071
4 swivel castors, 2 with brakes	ZPCGE5-021-0071
Temperature constancy up to ±0.5 K	on request
Export version with special voltages / frequencies	on request

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



<http://www.NationalLab.eu>

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