

### Low Temperature Recirculating Chillers ProfiCool Genius Zero

- Single-circuit systems including tank open to atmosphere
- Air-cooled cooling machine
- 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 7035 (light grey)



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

#### Model ProfiCool Genius Zero PCGEZ 100

Net cooling capacity at ±0°C/-10°C	kW	: 8.6 / 5.8
Eff. cooling capacity at ±0°C/-10°C	kW	: 8.2 / 5.3
Operating range	°C	: -15 / ±0
Temperature constancy	K	: ±1.5
Rated coolant flow	m³/h	: 1.2
Pump	type	: P6-BR12B
Pump pressure *	bar	: 3.9
Tank capacity	litres	: 60
Water connection	Inch	: G ¾" Female
Required flow of cooling air	m³/h	: 4,600
Starting current	Amps	: 57.0
Power input max.	kW	: 4.4
Operating voltage	Volts/Hz/Phase	: 400/50/3
Weight	kgs	: 140
Dimensions WxDxH	mm	: 760x760x1335
Refrigerant	CFC-free	: R404A

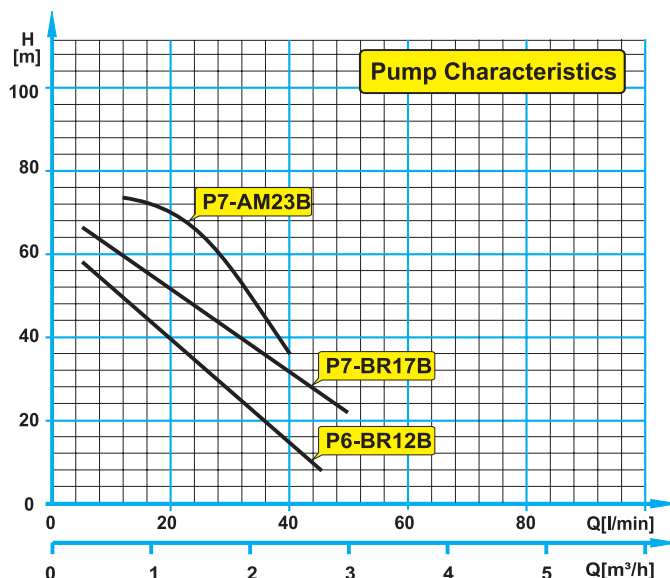
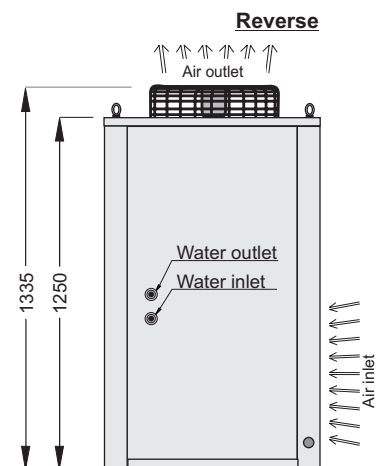
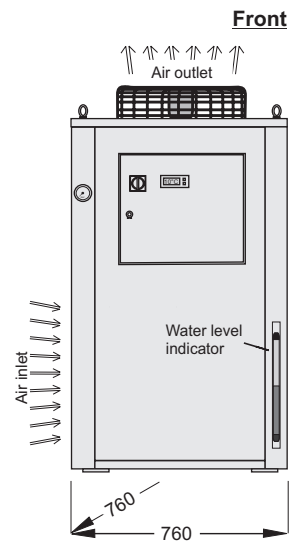
\* Pressure at rated coolant flow.

**Alternative units:** PCGEZ 70 und 160

#### ProfiCool Genius Zero + options / accessories:

	Cat. No.
ProfiCool Genius PCGEZ 100.03-NEB	GUPCGEZ100.03-NEB
Pump P7-BR17B instead of P6-BR12B	MPCGEZ6-P7-BR17B-100
Pump P7-AM23B instead of P6-BR12B	MPCGEZ6-P7-AM23B-100
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGEZ6-041-100
4 swivel castors, 2 with brakes	ZPCGEZ5-021-100
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>

National Lab GmbH  
 Grambeker Weg 157  
 D-23879 Moelln  
 Tel.: +49 45 42 / 84 91 - 10  
 Fax: +49 45 42 / 84 91 - 11  
 e-Mail: ProfiCool@NationalLab.com