

### Recirculating Chillers ProfiCool *Modulus*

- Single-circuit systems including tank open to atmosphere
- Air-cooled cooling machine
- Tank with water level indicator
- Electronic microprocessor-controlled thermostat with digital display
- Automatic by-pass valve
- Hotgas-bypass
- Harting plug
- Pressure gauge
- 2-stage level switch
- Built-in pump (see pump characteristics)
- Temperature constancy  $\pm 0,5$  K
- Housing powder-coated, colour RAL 7032 (pebble grey)
- Water flow switch
- Air filter copper/aluminium



ProfiCool *Modulus* PCMO 65

| Model ProfiCool <i>Modulus</i>     | PCMO 65                       | PCMO 80       |
|------------------------------------|-------------------------------|---------------|
| Net cooling capacity at +20/+15°C  | kW : 6.5 / 5.7                | 8.0 / 6.9     |
| Eff. cooling capacity at +20/+15°C | kW : 6.1 / 5.3                | 7.5 / 6.5     |
| Operating range *                  | °C : +15 / +30                | +15 / +30     |
| Temperature constancy              | K : $\pm 0.5$                 | $\pm 0.5$     |
| Rated coolant flow                 | m <sup>3</sup> /h : 1.5       | 1.8           |
| Pump type                          | P4-GA14M                      | P4-GA14M      |
| Pump pressure **                   | bar : 3.0                     | 6.0           |
| Tank capacity                      | litres : 40                   | 40            |
| Water connection                   | Inch : G 3/4" Female          | G 3/4" Female |
| Required flow of cooling air       | m <sup>3</sup> /h : 2,500     | 2,500         |
| Power input max.                   | kW : 3.2                      | 4.2           |
| Operating voltage                  | Volts/Hz/Phase : 380-415/50/3 | 380-415/50/3  |
|                                    | 440-460/60/3                  | 440-460/60/3  |
| Weight                             | kgs : 110                     | 145           |
| Dimensions WxDxH                   | mm : 510x630x1400             | 560x800x1400  |
| Refrigerant                        | CFC-free : R404A              | R404A         |

\* Set temperatures  $< +15^{\circ}\text{C}$  and  $> +30^{\circ}\text{C}$  on request.

\*\* Pressure at rated coolant flow.

### ProfiCool *Modulus* + Accessories:

### Cat. No.

|   |                   |
|---|-------------------|
| ProfiCool <i>Modulus</i> PCMO 65.03-NEM                 | GUPCMO0065.03-NEM |
| ProfiCool <i>Modulus</i> PCMO 80.03-NEM                 | GUPCMO0080.03-NEM |
| RS 485 interface  | YPCMO2-019-0080   |
| Continuous-flow system without tank and/or without pump | on request        |
| Enhancement working range to $+5^{\circ}\text{C}$       | MPCMO7-006-0080   |
| Temperature constancy up to $\pm 0,1$ K                 | ZPCMO9-067-0080   |
| Export version with special voltages / frequencies      | on request        |

Additional options and accessories as well as pump alternatives on request

