

### Recirculating Chillers ProfiCool *Primus*

- Single-circuit system including tank open to atmosphere
- Air-cooled cooling machine
- Plastic tank with water level indicator
- Coil evaporator made of stainless steel
- Electronic microprocessor-controlled thermostat with digital display (LED)
- Automatic by-pass valve
- Pressure gauge
- 2-stage level switch
- Built-in pump (see pump characteristics)
- Temperature constancy  $\pm 0.5$  K
- Housing powder-coated, colour RAL7035 (light grey)
- Air filter mat
- Plastic feet



ProfiCool *Primus* PCPR 035 (with option castors)

Model ProfiCool <i>Primus</i>	PCPR 025	PCPR 030	PCPR 035
Net cooling capacity at +20/+15°C	kW : 2.2 / 1.9	3.0 / 2.5	3.5 / 2.9
Eff. cooling capacity at +20/+15°C	kW : 1.9 / 1.6	2.7 / 2.2	3.2 / 2.6
Operating range *	°C : +5 / +30	+5 / +30	+5 / +30
Temperature constancy	K : $\pm 0.5$	$\pm 0.5$	$\pm 0.5$
Rated coolant flow	m <sup>3</sup> /h : 0.6	0.6	0.6
Pump	type : P16-YA91D	P16-YA91D	P16-YA91D
Pump pressure **	bar : 3.0	3.0	3.0
Tank capacity	litres : 6.5	6.5	6.5
Water connection	< CPC quick connection couples for hose 12 mm outside Ø >		
Required flow of cooling air	m <sup>3</sup> /h : 2,500	2,500	2,500
Starting current 230V/400V	Amps : 24 / -	28 / 14	32 / 16
Power input max. 230V/400V	kW : 1.6 / -	1.7 / 1.6	1.9 / 1.9
Operating voltage	Models-NED : 230/50-60/1	230/50-60/1	230/50-60/1
Volts/Hz/Phase	Models-NEM : -	400/50/3	400/50/3
	-	460/60/3	460/60/3
Weight	kgs : 68	71	75
Dimensions WxDxH	mm : 440x608x740	440x608x740	440x608x740
Refrigerant	CFC-free : R134a	R404A	R404A

\* Set temperatures  $< +5^{\circ}\text{C}$  and  $> +30^{\circ}\text{C}$  on request.

\*\* Pressure at rated coolant flow.

### ProfiCool *Primus* + options / accessories:

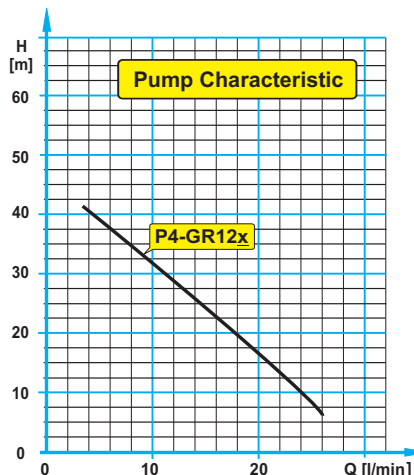
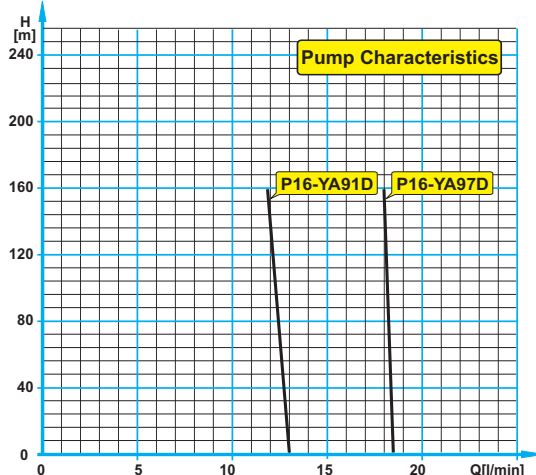
### Cat. No.

ProfiCool Primus PCPR 025.02-NED	GUPCPR025.02-NED
ProfiCool Primus PCPR 030.03-NED	GUPCPR030.03-NED
ProfiCool Primus PCPR 030.03-NEM	GUPCPR030.03-NEM
ProfiCool Primus PCPR 035.03-NED	GUPCPR035.03-NED
ProfiCool Primus PCPR 035.03-NEM	GUPCPR035.03-NEM

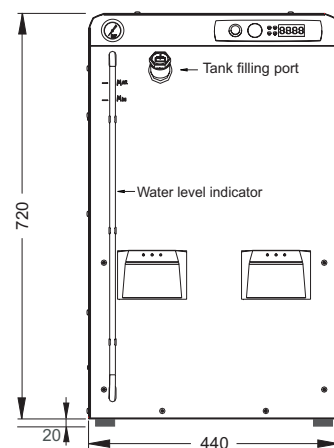
Pump P16-YA97D instead of P16-YA91D	MPCPR6-P16-YA97D-035
Pump P4-GR12x instead of P16-YA91D	MPCPR6-P4-GR12x-035*
RS 485 interface	YPCPR2-019-035
Continuous-flow system without tank and/or without pump	on request
External housing contains stainless steel CNS	MPCPR5-041-035
4 swivel castors, 2 with brakes	YPCPR5-021-035
Enhancement working range to $\pm 0^{\circ}\text{C}$	MPCPR7-007-035
Temperature constancy up to $\pm 0.1$ K	ZPCPR9-067-035
Export version with special voltages / frequencies	on request

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

\*  $\underline{x}$  = version  $\underline{D}$  (230V) or  $\underline{M}$  (400V / 460V) (please select).



Front



Top

