

# Technical Standard Specification



## Chill Plus CH14L / CH14L-2C

Medium: Water up to +90°C

Refrigerant: R 513A  
Refrigerant circuits: 1 circuit  
Total filling refrigerant: ca. 4,0 kg  
Power supply: 380-415 V/50 Hz

Heating capacity: see order confirmation  
Heating capacity options: 9 kW and 12 kW

### Functional equipment

- Controller: Smart Controller (optional Smart Controller plus for extra charge)
- Set value and actual value display, alarm display and many other features
- Fully hermetical scroll compressor
- Heating with Incolloy stainless steel tube heaters
- Protection grid over condenser in colour of case
- Oil sump heating
- Draining device
- Corrosion-resistant components (stainless steel / nonferrous metal)
- Level monitoring by magnetic float switch
- Dirt trap installed in return line of circulating medium
- Heating control by solid state relay (SSR)
- High and low pressure controller acc. to DIN EN 378
- Attention: pressure rise possible due to integrated pre-pressure pump (if required)



### General equipment

- Stainless steel tank, 80 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

### Cooling

#### Capacity

- 13.9 kW in relation to +10°C temperature to process at +30°C ambient temperature
- Temperature range to process standard: +10°C up to +90°C

### Condenser

#### Set-up

- Air-cooled:
- Air quantity: 5,800 m<sup>3</sup>/h
- Number of fans: 2 pieces
- Inlet air temperature: max. +30°C

### Pump

	Standard
Output rate (max.)	150 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	1.1 kW

### Booster pump

Output rate (max.)	150 ltr/min
Pressure (max.)	7.5 bar
Motor capacity	2.2 kW

### Dimensions/weights/colours

Dimensions L/W/H:	1,465 mm x 750 mm x 1,680 mm (w/o conn.)	
Net weight:	approx. 460 kg	
Colour:	case:	RAL 7035 light grey
	front door:	RAL 7016 anthracite grey

### Connections

Circulating medium:	DN 32
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**'- Subject to technical changes; latest update: 16.04.2024; changed by B.Nebel -**

**This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.**