

Technical Standard Specification



Chill Plus CH30L / CH30L-2C

Medium: Water up to +90°C

Refrigerant: R 513A
Refrigerant circuits: 1 circuit
Total filling refrigerant: ca. 5,5 kg
Power supply: 380-415 V/50 Hz

Heating capacity: see order confirmation
Heating capacity options: 18 kW and 24 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
- Semi-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 (depending on construction)



General equipment

- Stainless steel tank, 120 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

Cooling

Capacity

- 31.0 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: 13,000 m³/h
- Number of fans: 2 pieces
- Inlet air temperature: max. +30°C

Pump

| | Standard |
|--------------------|-------------|
| Output rate (max.) | 240 ltr/min |
| Pressure (max.) | 4.4 bar |
| Motor capacity | 1.5 kW |

Booster pump

| | |
|--------------------|-------------|
| Output rate (max.) | 240 ltr/min |
| Pressure (max.) | 6.7 bar |
| Motor capacity | 2.2 kW |

Dimensions/weights/colours

| | | |
|-------------------|--|--------------------------|
| Dimensions L/W/H: | 2,015 mm x 850 mm x 1,920 mm (w/o conn.) | |
| Net weight: | approx. 750 kg | |
| Colour: | case: | RAL 7035 light grey |
| | front door: | RAL 7016 anthracite grey |

Connections

| | |
|---------------------|-------|
| Circulating medium: | DN 40 |
|---------------------|-------|

- 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.