

Technical Standard Specification



Series: Chill Advanced C-40-L

Medium: Water

Refrigerant: R 513A (GWP=631)
Refrigerant circuits: 1 circuit
Total filling refrigerant: ca. 6,0 kg
Power supply: 380-415 V/50 Hz

Heating capacity: optional (cf. O/C)

Functional equipment

- Controller Smart Controller Plus
- Set value and actual value display, alarm display and many other features
- Frequency-controlled pump
- Flow and pressure measurement in the flow pipe
- Semi-hermetic reciprocating compressor, power controlled
- Frost protection monitoring
- Flow monitoring
- Protection grid over condenser in colour of case
- Oil sump heating
- Draining device
- Level monitoring by magnetic float switch
- Dirt trap installed in return line of circulating medium
- Overflow valve between to and from process as pump protection, locked
- High and low pressure controller acc. to DIN EN 378



General equipment

- Stainless steel tank, 125 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

Cooling

Capacity

- 40 kW in relation to +10°C temperature to process at +32°C ambient temperature
- Temperature range to process: +5°C up to +30°C (Optionally temperatures down from -5°C to +20°C possible)

Condenser

Set-up

- Air-cooled:
- Air quantity: 16,500 m³/h
- Number of fans: 2 pieces, speed-controlled
- Inlet air temperature: max. +30°C

Pump

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

Reinforced pump CR10-8

240 ltr/min
8.1 bar
3.0 kW

Dimensions/weights/colours

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

Connections

Circulating medium: DN 40 internal thread

Subject to technical changes; Status: 06.08.2024 (modified: 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.

Technical Standard Specification

Series: Chill Advanced C-40-W

Medium: Water

Refrigerant: R 513A (GWP=631)
 Refrigerant circuits: 1 circuit
 Total filling refrigerant: ca. 3,3 kg
 Power supply: 380-415 V/50 Hz

Heating capacity: optional (cf. O/C)

Functional equipment

- Controller Smart Controller Plus
- Set value and actual value display, alarm display and many other features
- Frequency-controlled pump
- Flow and pressure measurement in the flow pipe
- Semi-hermetic reciprocating compressor, power controlled
- Frost protection monitoring
- Flow monitoring
- Oil sump heating
- Draining device
- Level monitoring by magnetic float switch
- Dirt trap installed in return line of circulating medium
- Dirt trap installed in supply line of cooling water inlet
- Overflow valve between to and from process as pump protection, locked
- High and low pressure controller acc. to DIN EN 378



General equipment

- Stainless steel tank, 125 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

Cooling

Capacity

- 40 kW in relation to +10°C temperature to process
- Temperature range to process: +5°C up to +30°C
(Optionally temperatures down from -5°C to +20°C possible)

Condenser

Set-up

- Water-cooled:
- Water quantity required: 167 ltr/min
- Cooling water inlet temperature max.: +25°C
- Pressure difference provided by customer for cooling water supply: min. 2.5 bar

Pump

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

Reinforced pump CR10-8

Output rate (max.)	240 ltr/min
Pressure (max.)	8.1 bar
Motor capacity	3.0 kW

Dimensions/weights/colours

Dimensions L/W/H:	2,015 mm x 850 mm x 1,565 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 internal thread
Cooling water:	DN 40 internal thread

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