

# Technical Standard Specification



Series: Chill Advanced C-20-L

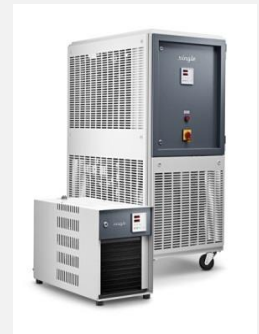
Medium: Water

Refrigerant: R 513A (GWP=631)  
Refrigerant circuits: 1 circuit  
Total filling refrigerant: ca. 4,5 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
- High and low pressure controller acc. to DIN EN 378



## 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

- 19.7 kW in relation to +10°C temperature to process at +32°C ambient temperature
- *Temperature range to process: +5°C up to +30°C*  
*optimal lower temperature down to -5°C*

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 7,500 m<sup>3</sup>/h
- Number of fans: 2 pieces, speed-controlled
- 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

150 ltr/min
7.5 bar
2.2 kW

## Dimensions/weights/colours

Dimensions L/W/H:	1,450 mm x 750 mm x 1,680 mm (w/o conn.)		
Net weight:	approx. 470 kg		
Colour:	case:	RAL 7035 light grey	
	front door:	RAL 7016 anthracite grey	

## Connections

Circulating medium:	DN 32 internal thread
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**Subject to technical changes; Status: 11.04.2024 (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-20-W

Medium: Water

Refrigerant: R 513A (GWP=631)  
 Refrigerant circuits: 1 circuit  
 Total filling refrigerant: ca. 2,0 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
- 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, 80 liters, open system, completely insulated
- Self-supporting case with rollers, mobile
- Powder coating
- Unit for indoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 19.7 kW in relation to +10°C temperature to process at +32°C ambient temperature
- *Temperature range to process: +5°C up to +30°C*
- *optimal lower temperature down to -5°C*

## Condenser

### Set-up

- Water-cooled:
- Water quantity required: 50 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.)	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:	1,450 mm x 750 mm x 1,550 mm (w/o conn.)	
Net weight:	approx. 470 kg	
Colour:	case:	RAL 7035 light grey
	front door:	RAL 7016 anthracite grey

## Connections

Circulating medium:	DN 32 internal thread
Cooling water:	DN 25 internal thread

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