

Lauda Ultracool Chiller

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Stock No	CU521
Model	ULTRACOOOL 0240 SP
Serial	38629/02
Ave. cooling capacity	30.3kw with a CWLT of 15½°C
Ave. Water Flow Rate	130 L/min
Weight (kgs)	350
External Dimensions (WxDxH mm)	950 x 1250 x 1800

Description

LAUDA Ultracool UC-0240 SP

Process circulation chiller for industrial applications which is suitable for operation at ambient temperatures from -15 °C to 50 °C. User-friendly menu guidance with simple 2-key operation and a 1-line LED display for display of actual or set temperatures and electronic 2-point temperature control with hysteresis.

Features

- Industrial block pump with high pressure and high flow rate
- Evaporator and pump in stainless steel construction
- Start-up Systems for low ambient temperatures
- Suitable for outside siting with its IP54 protection level.
- Antifreeze protection thermostat
- Integrated motor fan speed regulation
- Insulated water tank made of polyethylene
- Operation with refrigerant R 134a

Technical data (according to DIN 12876)

Working temperature range	-5 °C ... 25 °C
Ambient temperature range	-15 °C... 50 °C
Temperature control	± 2.0 °C
Cooling output*	26.3 kW
Pump pressure max.	4.2 bar
Pump flow max.	130 L/min
Filling volume max.	100 L
Overall Dimensions (W x D x H)	950 x 1250 x 1800 mm

User friendly installation and maintenance and reduction of footprint to save installation space

Protection of the refrigeration circuit against pressures that drift too high or too low

Keeps water temperature constant even under varying load conditions

(1) The Ultracool units can work with cold water temperatures lower than 7°C (45°F). To do so, add ethylene glycol to the water and contact an authorized technical service to adjust the chiller.

(2) In order to work at temperatures lower than 0°C (32°F), add ethylene glycol to the water and contact an authorized technical service to adjust the chiller.

The following table shows the ethylene glycol concentration and the antifreeze adjustment required:

Glycol concentration and antifreeze adjustment in an ambient 0 and above

Water Set Point 7°C or more 0%

Water Set Point 5 - 7°C or more 15%

Water Set Point -5 - 5°C or more 00%

Glycol concentration and antifreeze adjustment in an ambient -15 and above

Water Set Point 7°C or more 30%

Water Set Point 5 - 7°C or more 30%

Water Set Point -5 - 5°C or more 30%

Technical Data LAUDA Ultracool UC-0240 SP

Working temperature min. °C -5

Working temperature max. °C 25

Ambient temperature min. °C -15

Ambient temperature max. °C 50

Temperature stability \pm K 2

Volume water reservoir L 100

Cooling ranges at varying ambient temperatures

Cooling output at 25°C water outlet temperature kW 37.30

Cooling output at 20°C water outlet temperature kW 34.60

Cooling output at 15°C water outlet temperature kW 30.30

Cooling output at 10°C water outlet temperature kW 26.30

Cooling output at 5°C water outlet temperature kW 22.30

Cooling output at 0°C water outlet temperature kW 18.20

Cooling output at -5°C water outlet temperature kW 14.50

Application external

Noise level dB(A) 57.50

Power consumption kW 9.3

Pump pressure max. bar 4.20

Pump flow max. (pressure) L/min 130

Pump connection thread HT DN25

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.