

PRODUCT DATA SHEET

Ultracool UC 4

The UC Mini chillers are available with cooling outputs from 2.1 up to 4.9 kW. The models work with a hermetic compressor and a centrifugal pump. The pump is noise reduced and works with a very flat flow rate/pressure characteristic. This allows the user to easily adjust the water flow without jeopardizing the pressure. Compared to the previous models the device dimensions were significantly reduced. Due to the optimized geometry of the devices an easy access to the components that need to be serviced regularly is provided. The temperature range in which the coolers can be used now covers an extended temperature from 0 up to 50 °C ambient. Additionally outdoor installation of these circulation chillers is available as an option and allows the use at ambient temperatures down to -15 °C.



Working temperature min.
-5 °C



Working temperature max.
25 °C

Technical Attributes

Ultracool UC 4

| | |
|---|----------|
| Working temperature min. | -5 °C |
| Working temperature max. | 25 °C |
| Ambient temperature min. | -15 °C |
| Ambient temperature max. | 50 °C |
| Temperature stability | 2 ±K |
| Cooling output at 25°C water outlet temperature | 6.9 kW |
| Cooling output at 20°C water outlet temperature | 6.9 kW |
| Cooling output at 15°C water outlet temperature | 5.9 kW |
| Cooling output at 10°C water outlet temperature | 4.9 kW |
| Cooling output at 5°C water outlet temperature | 4.1 kW |
| Cooling output at 0°C water outlet temperature | 3.4 kW |
| Cooling output at -5°C water outlet temperature | 2.8 kW |
| Number of refrigeration circuits | 1 |
| Application | external |
| Power consumption | 1.8 kW |

LAUDA DR. R. WOBSE GMBH & CO. KG
Pfarrstraße 41/43 • 97922 Lauda-Königshofen
Postfach 1251 • 97912 Lauda-Königshofen • DE

T +49 (0) 9343 503-0 • F +49 (0) 9343 503-222
info@lauda.de • www.lauda.de
WEEE-Reg.-Nr.: DE 66 42 40 57

Kommanditgesellschaft: Sitz Lauda-Königshofen
Registergericht Mannheim • HRA 560069

Persönlich haftende Gesellschafterin:
LAUDA DR. R. WOBSE Verwaltungs-GmbH
Sitz Lauda-Königshofen
Registergericht Mannheim • HRB 560226

Geschäftsführer:
Dr. Gunther Wobse (Vors.), Dr. Mario Englert
Dr. Marc Stricker
Beirat: Dr. Gerhard Wobse

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| Technical Attributes | Ultracool UC 4 |
|---------------------------|----------------|
| Pump pressure max. | 3.4 bar |
| Pump pressure nominal | 3.3 bar |
| Pump flow max. (pressure) | 42 L/min |
| Pump flow nominal | 13.8 L/min |
| Pump connection thread | Rp 1/2" |
| Volume water reservoir | 19 L |
| Dimensions (WxDxH) in mm | 640x640x635 |
| Max. fuse | 16 A |

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