

# PRODUCT DATA SHEET



## Ultracool UC-0500 SP

Within the Ultracool Maxi range, there are four chillers with cooling outputs from 34.1 up to 64.4 kW which work with one single refrigeration circuit. The five models from 87.9 up to 265 kW of cooling capacities work with two independent refrigeration circuits to provide a backup security. All Maxi models are equipped with scroll compressors, work with R 407C as refrigerant and are suitable for outdoor installation. The internal pipes for the water circuit are made of PP-R (polypropylene random copolymer) and are thermowelded. Besides the main advantage that these connections are absolutely leak free, PP-R is corrosion and frost proof, allow for smaller pressure drops and are long lasting. The models UC-0300 to UC-0650 are also available as UC laser models with pre-configured options included.



Working temperature min.  
-5 °C



Working temperature max.  
25 °C

### Technical Attributes

### Ultracool UC-0500 SP

|   |          |
|---|----------|
| Working temperature min.                        | -5 °C    |
| Working temperature max.                        | 25 °C    |
| Ambient temperature min.                        | -15 °C   |
| Ambient temperature max.                        | 45 °C    |
| Temperature stability                           | 2 ±K     |
| Cooling output at 25°C water outlet temperature | 68.4 kW  |
| Cooling output at 20°C water outlet temperature | 65.6 kW  |
| Cooling output at 15°C water outlet temperature | 56.8 kW  |
| Cooling output at 10°C water outlet temperature | 48.7 kW  |
| Cooling output at 5°C water outlet temperature  | 41.2 kW  |
| Cooling output at 0°C water outlet temperature  | 33.5 kW  |
| Cooling output at -5°C water outlet temperature | 26.8 kW  |
| Number of refrigeration circuits                | 1        |
| Application                                     | external |
| Power consumption                               | 13.6 kW  |

LAUDA DR. R. WOBSEY 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. WOBSEY Verwaltungs-GmbH  
Sitz Lauda-Königshofen  
Registergericht Mannheim · HRB 560226

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

## PRODUCT DATA SHEET

### Ultracool UC-0500 SP

| Technical Attributes      | Ultracool UC-0500 SP |
|---------------------------|----------------------|
| Pump pressure max.        | 4.7 bar              |
| Pump pressure nominal     | 3.3 bar              |
| Pump flow max. (pressure) | 230 L/min            |
| Pump flow nominal         | 150 L/min            |
| Pump connection thread    | HT DN40              |
| Volume water reservoir    | 200 L                |
| Dimensions (WxDxH) in mm  | 1005x1565x1965       |
| Noise level               | 55.3 dB(A)           |
| Max. fuse                 | 50 A                 |

LAUDA DR. R. WOBSEY 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. WOBSEY Verwaltungs-GmbH  
 Sitz Lauda-Königshofen  
 Registergericht Mannheim · HRB 560226

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