

PRODUCT DATA SHEET

Ultracool UC-0800 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-0800 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 | 114.3 kW |
| Cooling output at 20°C water outlet temperature | 114.3 kW |
| Cooling output at 15°C water outlet temperature | 103 kW |
| Cooling output at 10°C water outlet temperature | 87.9 kW |
| Cooling output at 5°C water outlet temperature | 72.3 kW |
| Cooling output at 0°C water outlet temperature | 57.8 kW |
| Cooling output at -5°C water outlet temperature | 45.4 kW |
| Number of refrigeration circuits | 2 |
| Application | external |
| Power consumption | 27.5 kW |

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

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| Technical Attributes | Ultracool UC-0800 SP |
|---------------------------|----------------------|
| Pump pressure max. | 4.7 bar |
| Pump pressure nominal | 3.4 bar |
| Pump flow max. (pressure) | 420 L/min |
| Pump flow nominal | 247 L/min |
| Pump connection thread | Rp 2" |
| Volume water reservoir | 300 L |
| Dimensions (WxDxH) in mm | 1545x2230x2010 |
| Noise level | 58.3 dB(A) |
| Max. fuse | 80 A |

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