

PRODUCT DATA SHEET



Ultracool UC-1000 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-1000 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	140.8 kW
Cooling output at 20°C water outlet temperature	140.8 kW
Cooling output at 15°C water outlet temperature	126.1 kW
Cooling output at 10°C water outlet temperature	106.4 kW
Cooling output at 5°C water outlet temperature	85.9 kW
Cooling output at 0°C water outlet temperature	67 kW
Cooling output at -5°C water outlet temperature	51.2 kW
Number of refrigeration circuits	2
Application	external
Power consumption	32.4 kW

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Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Pump pressure max.	5 bar
Pump pressure nominal	3.3 bar
Pump flow max. (pressure)	330 L/min
Pump flow nominal	299 L/min
Pump connection thread	Rp 2 1/2"
Volume water reservoir	500 L
Dimensions (WxDxH) in mm	1660x3400x2090
Noise level	63.1 dB(A)
Max. fuse	100 A

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