

PRODUCT DATA SHEET



Ultracool UC-1000 SP

The five models of the Ultracool Maxi circulation chillers 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.



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

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Technical Attributes	Ultracool UC-1000 SP
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
Max. fuse	100 A

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