

PRODUCT DATA SHEET

Ultracool UC-2400 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-2400 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	336.9 kW
Cooling output at 20°C water outlet temperature	336.9 kW
Cooling output at 15°C water outlet temperature	308.8 kW
Cooling output at 10°C water outlet temperature	265 kW
Cooling output at 5°C water outlet temperature	223.1 kW
Cooling output at 0°C water outlet temperature	182.8 kW
Cooling output at -5°C water outlet temperature	148.2 kW
Number of refrigeration circuits	2
Application	external
Power consumption	71.4 kW

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Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Technical Attributes	Ultracool UC-2400 SP
Pump pressure max.	5.9 bar
Pump pressure nominal	3.8 bar
Pump flow max. (pressure)	1160 L/min
Pump flow nominal	733 L/min
Pump connection thread	DIN-2566 DN80
Volume water reservoir	500 L
Dimensions (WxDxH) in mm	1660x3585x2090
Noise level	62.7 dB(A)
Max. fuse	200 A

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