

PRODUCT DATA SHEET



Ultracool UC-0100 SP

Six UC Midi types have cooling outputs ranging from 7.1 up to 26.3 kW. The models work with a reciprocating or scroll compressor and a centrifugal pump. The noise-reduced pump allows customers to easily adjust the water flow. The use of R 134a as refrigerant ensures very low working pressures inside the refrigeration system and operation in ambient temperatures up to 50 °C. The intergrated motor fan speed regulator allows operation in ambient conditions up to -15 °C and reduces the noise level additionally. The models UC-0060 to UC-0240 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-0100 SP

Working temperature min.	-5 °C
Working temperature max.	25 °C
Ambient temperature min.	-15 °C
Ambient temperature max.	50 °C
Temperature stability	2 ±K
Cooling output at 25°C water outlet temperature	18.6 kW
Cooling output at 20°C water outlet temperature	17.1 kW
Cooling output at 15°C water outlet temperature	14.3 kW
Cooling output at 10°C water outlet temperature	11.4 kW
Cooling output at 5°C water outlet temperature	8.8 kW
Cooling output at 0°C water outlet temperature	6.6 kW
Cooling output at -5°C water outlet temperature	4.8 kW
Number of refrigeration circuits	1
Application	external
Power consumption	4.6 kW

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Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Pump pressure max.	4.2 bar
Pump pressure nominal	3.9 bar
Pump flow max. (pressure)	130 L/min
Pump flow nominal	33.6 L/min
Pump connection thread	HT DN25
Volume water reservoir	100 L
Dimensions (WxDxH) in mm	715x945x1490
Noise level	58.5 dB(A)
Max. fuse	25 A

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