

PRODUCT DATA SHEET

Ultracool UC 4

The UC Mini chillers are available with cooling outputs from 2.1 up to 4.9 kW. The models work with a hermetic compressor and a centrifugal pump. The pump is noise reduced and works with a very flat flow rate/pressure characteristic. This allows the user to easily adjust the water flow without jeopardizing the pressure. Compared to the previous models the device dimensions were significantly reduced. Due to the optimized geometry of the devices an easy access to the components that need to be serviced regularly is provided. The temperature range in which the coolers can be used now covers an extended temperature from 0 up to 50 °C ambient. Additionally outdoor installation of these circulation chillers is available as an option and allows the use at ambient temperatures down to -15 °C.



Working temperature min.
-5 °C



Working temperature max.
25 °C

Technical Attributes

Technical Attributes	Ultracool UC 4
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	6.9 kW
Cooling output at 20°C water outlet temperature	6.9 kW
Cooling output at 15°C water outlet temperature	5.9 kW
Cooling output at 10°C water outlet temperature	4.9 kW
Cooling output at 5°C water outlet temperature	4.1 kW
Cooling output at 0°C water outlet temperature	3.4 kW
Cooling output at -5°C water outlet temperature	2.8 kW
Number of refrigeration circuits	1
Application	external
Power consumption	1.8 kW

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Dr. Marc Stricker
Beirat: Dr. Gerhard Wobser

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Pump pressure max.	3.4 bar
Pump pressure nominal	3.3 bar
Pump flow max. (pressure)	42 L/min
Pump flow nominal	13.8 L/min
Pump connection thread	Rp 1/2"
Volume water reservoir	19 L
Dimensions (WxDxH) in mm	640x640x635
Noise level	50.4 dB(A)
Max. fuse	16 A

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