alphacool

Alphacool Eiszeit 2000 Chiller - black

Alphacool article number: 11371

Quick Info

The Alphacool "Eiszeit" is a compressor cooler with a maximum cooling power of 1500W. Unlike most so-called Chillers or circulating coolers, the Eiszeit has a high-performance integrated pump.

- 1500W cooling capacity
- Pump with 10m head
- All connections with G1/4" thread
- 9L large tank
- Flow alarm
- Overvoltage protection for compressor
- Temperature alarm

Scope of delivery

1 x Alphacool Eiszeit 2000 Chiller

1 x UK – Plug

1 x Multilingual installation instructions

1 x Alarm output plug

Technical data

Dimensions (L x W x H)	56 x 28 x 47 cm
Voltage	220-240V
Power consumption	660W
Compressor power	0,49/0,57KW (0,66/0,77HP)
Cooling capacity	1,41/1,70kw
Refrigerant	R-134a
Refrigerant charge	380g
Pump capacity	0,03KW
Pump Max. Delivery head	10 m
Pump max flow rate	600 L/h
Liquid tank filling quantity	9L
Filling opening	1x oben
Threads	G 1/4" (1x IN / 1x OUT) hinten
Noise	65 db(A)
Adjustable minimum temperature	20°C
Temperature accuracy	+/- 0,3°C
Reservoir	Polyprobylene
Internal soft hoses	Silikon
Internal hard hoses	PU

Download links

Manual	11371_Alphacool_Eiszeit_2000_Chiller_-_black_Manual.pdf
Product pictures	11371_Alphacool_Eiszeit_2000_Chiller_-_black_pics.zip

Packaging dimensions per unit

L x W x H	560 x 280 x 470 mm
Weight	31000 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197113717
Customs code	84195080900

The Alphacool "Eiszeit" is a compressor cooler with a maximum cooling power of 1500W. Unlike most so-called Chillers or circulating coolers, the Eiszeit has a high-performance integrated pump.

With the "Eiszeit", you get a compressor cooler designed by Alphacool. With it, you can keep your system – or more than one system – at a temperature you pre-set, automatically regulated for you. The Eiszeit has a maximum cooling power of 1500W. Entering your settings is easily done through the Eiszeit's display, and you can set the temperature in precise increments of 0.3° Kelvin. If necessary, you can reach temperatures far below room temperature.

Another highlight is the integrated high-performance pump with a maximum head of 10m. This means a separate pump is no longer necessary. If the pump performance proves to be too strong, a restrictor can be integrated into the cooling loop via a ball valve or check valve. The G1/4" connectors can fit nearly all standard water cooling attachments. This gives the Eiszeit out-standing compatibility compared to other current products like CPU coolers and graphics card coolers.

The Eiszeit also has security functions, such as surge protection for the compressor and an alarm indicating the flow rate is too low or the temperature is too high.

Using the Eiszeit is relatively simple. After connecting it to the cooling loop, the loop needs to be filled via the fill port on top of the Eiszeit. The integrated reservoir holds 9L; additionally, you will need enough coolant to fill the complete loop.

Performance calcuation

Water outlet temperature (Fw)

C°	8	10	15	20	25	30	35	40
factor	0,69	0,77	1	1,22	1,44	1,64	1,82	2

Ambient temperature (Fa)

C°	15	20	25	32	35	40	45	50
factor	1,26	1,2	1,11	1	0,95	0,87	0,8	0,72

Percentage of glycol in coolant (Fg)

%	0	10	15	20	25	30	35	40
factor	1	0,96	0,95	0,94	0,93	0,91	0,9	0,88

Formular: 1,08kW * Fw * Fa * Fg

Example: A chiller delivers 1.08kW cooling capacity. Water outlet temperature (Fw) is 30 C°, Ambient temperature (Fa) is 40 C° and Percentage of glycol (Fg) is 30 %.

Calculation: 1,08kW * 1,64 * 0,87 * 0,91 = 1,4kW

Please note: In the event of a return (RMA), the product must be shipped exclusively via freight carrier. Using a parcel delivery service for the return will result in the loss of warranty claims.