



# Freezer 33 CO

Semi Passive Tower CPU Cooler for Continuous Operation

## Main Features

- Compatible with Intel & AMD socket
- Dual ball bearing
- 5-times longer lifespan than traditional bearings
- Passive operation up to 40 % PWM
- Offset heat pipes ensure optimal heat dissipation
- Improved fan controller made in Germany
- Anti-vibration rubbers for quiet operation
- Installation in all four directions possible
- Transport-proof mounting with backplate
- MX-4 thermal paste included



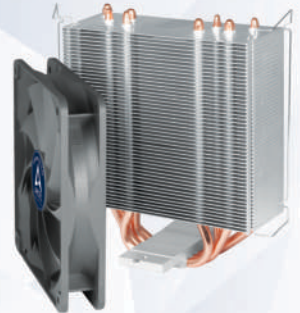
[www.arctic.ac](http://www.arctic.ac)



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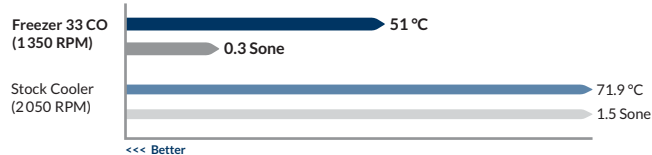
## Semi Passive Tower CPU Cooler for Continuous Operation

The **Freezer 33 CO** is a semi passive CPU cooler with a 120 mm fan and a dual ball bearing. The Japanese dual ball bearing reduces rotational friction considerably, is significantly less sensitive to dust and high temperature and hence up to 5 times more durable than normal bearings. It is the successor of the Freezer i32 CO and combines compatibility with Intel and AMD sockets. A sophisticated fan controller that was developed by German engineers allows passive cooling of the CPU during simple applications such as surfing and creating documents. The F12 PWM fan only starts up at a PWM signal with 40 % pulse width. This saves energy, extends the service life and makes the cooler at low load completely silent.



Specifications	
Heat Pipe	Direct-Touch Ø 6 mm x 4
Heatsink Material	Aluminium Fins x 49, Thickness: 0.5 mm
Thermal Paste	MX-4
Fan	120 mm, 0 - 1350 RPM (Controlled by PWM)
Bearing	Dual Ball Bearing
Noise Level	0.3 Sone
Current / Voltage	0.20 A per fan / 12 V DC
Max. Cooling Capacity	320 Watts
Recommended for TDP up to	150 Watts
Dimensions	123 (L) x 95 (W) x 150 (H) mm
Net Weight	641 g

### Cooling Performance and Noise Level on Intel Core i7-6700K (Full Load)

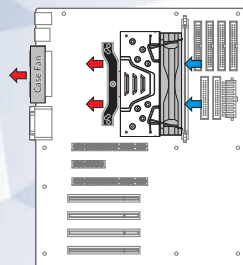


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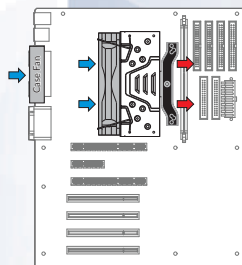
## Semi Passive Tower CPU Cooler for Continuous Operation

### Cooler Orientation on Intel

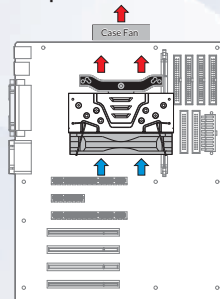
A. Back Exhaust



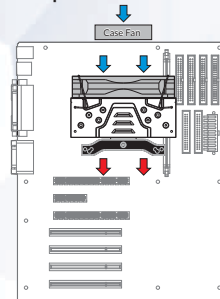
B. Back Intake



C. Top Exhaust

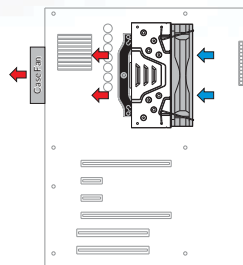


D. Top Intake

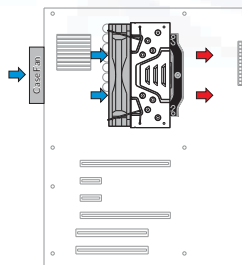


### Cooler Orientation on AMD

A. Back Exhaust



B. Back Intake



### Intel Socket

1151	1150	1155	1156	2011-v3	2011	1366	775
Yes	Yes	Yes	Yes	Yes*	Yes*	No	No

\* SQUARE ILM (80 x 80 mm spacing) only

### AMD Socket

AM4	AM3(+)	AM2(+)	AM1	AM2(+)	AM1	939	754
Yes	No	No	No	No	No	No	No