

1. Scope

This document covers the thermal and mechanical specifications of AJIGO's MF063 cooler. The MF063 is designed to meet the requirements for usage in AMD Athlon XP processor based systems. Test data, ordering and packaging information as well as component level specifications are also provided.

2. General Specifications

Form Factor:	AMD Athlon XP μ PGA socket
Fan Type:	DC brushless axial flow
Fan Size:	60x60x13 mm, 220mm lead wire, 3 pin connector
Heat Sink Material:	AL6063S-T5, extruded
Heat Sink Finish:	Degreased
Attachment Method:	Triple tab clip
Thermal Interface:	Honeywell PCM45
Overall dimensions:	62 X 80 X 55 mm
Thermal Resistance T_{CA} :	0.62 °C/W
Loading Force:	30+/-2.5 lbs
Total Weight:	282g
Noise:	32.7+/-0.8 [dB-A]

3. Component Specifications

3.1. Cooling Fan

Fan Type:	DC brushless axial flow fan
Size:	60x60x13 mm, 220mm lead wire, 3 pin connector
Bearing type:	dual ball bearing
Rated Voltage:	12 VDC
Operating Voltage:	7.0 ~ 13.8 VDC
Speed:	3600 rpm +/-10%
Maximum air flow:	18.15 [CFM]
Fan Noise:	28.0 ~ 32.0 [dB-A]
Insulation Strength:	10 MOhm min. at 500 VDC
Dielectric Strength:	5mA max. at 500VAC, 60Hz, 1 min.
External Cover:	Open Type
Life Expectance:	70,000 hours continuous operation at 40°C with 15~65%R.H.
Rotation:	Clockwise view from the name plate side
Over Current Shut Down:	Shut down when locking rotor
Lead Wire:	UL1007-F-AWG#28, Black wire (-), Red wire (+), Blue wire Frequency (-F00)
Certifications:	UL, CSA, VDE

3.2. Interface Material

Honeywell PCM45	
Thermal conductivity:	3.0 [W/mK]
Color:	Gray

