

MASTERFAN A120/ A120 FC



The MasterFan A120 delivers revolutionary cooling performance, achieving benchmark-setting airflow and drastically reduced system temperatures with superior efficiency and unparalleled reliability. This extreme capability is engineered through its flagship aluminum construction and high-speed motor design. The all-aluminum frame and blades ensure superior rigidity and durability, preventing blade warp even when sustaining its extreme 4000 RPM speeds. This precise structural integrity is crucial for generating high air pressure, allowing the fan to powerfully overcome the resistance of restrictive components and blow air through tight spaces—drastically cooling down even the smallest cases. The three-phase motor also eliminates operational instability, guaranteeing superior, reliable performance and maximum system efficiency throughout its entire operating range, so you can focus on high-intensity tasks while the MasterFan A120 handles your system's critical cooling needs.

FEATURES

FLAGSHIP ALUMINUM CONSTRUCTION

The all-aluminum frame and blades deliver superior rigidity and long-term durability, which is essential for reliably sustaining high-speed performance.

EXTREME 4000 RPM

The MasterFan A120's premium aluminum construction ensures the blades retain their precise shape and resist warping even at intense speeds. This allows the fan to reliably achieve and hold ultra-high RPMs, delivering benchmark-setting airflow and exceptional cooling results.

*Tested at 4000 RPM by Cooler Master Lab; applicable only to the optional controller version.

HIGH AIR PRESSURE

Exceptional air pressure is guaranteed by the A120's structural integrity. The premium aluminum frame and blades resist warping and maintain their precise shape at intense speeds. This sustained rigidity allows the fan to overcome the resistance of restrictive components, delivering focused, high-velocity airflow that drastically reduces system temperatures.

THREE-PHASE MOTOR DESIGN

The integrated three-phase Motor eliminates instability to ensure ultra-quiet start-up and superior, reliable performance for maximum system efficiency.

SPECIFICATIONS

Product Name	MasterFan A120	MasterFan A120 FC
Model Number	MFZ-P2NA-25NPK-R1	MFZ-P2NA-40NPK-R1
Dimensions (L x W x H)	120 x 120 x 30mm (4.7 x 4.7 x 1.18 inch)	
Profiles	Non-LED	
Speed	0-2500 ± 10% RPM	0-4000 ± 10% RPM
Air Flow	76.9 CFM (MAX)	121.73 CFM (MAX)
Air Pressure	6.1 mmH ₂ O (MAX)	13.15 H ₂ O (MAX)
MTTF	>200,000 hours	
Noise Level	29.7 dBA (MAX)	42.5 dBA (MAX)
Bearing	Two-Ball Bearing	
Connector	4-Pin PWM	
Rated Voltage	12 VDC	
Rated Current	0.17A	0.5A
Safety Current	1A	
Power Consumption	2.04 W	6 W
Weight	305g (0.67 lbs)	
Warranty	6 Years	
EAN Code	4719512163528 6928968324300 (CN)	4719512163535 6928968324317 (CN)
UPC Code	884102135828	884102135835



SHIPPING DETAILS

EAN Code		4719512163528
EAN Code (CN)		6928968324300
UPC Code		884102135828
Net Weight		0.305 kg
Gross Weight		0.42 kg
Packaging dimension (L x W x H)		130 x 163 x 40 mm
Carton Dimension (L x W x H)		440 x 366 x 160 mm
Unit / Pallet		20
Container 20 feet	With Pallet	15840
	Carton / Pallet	66
	Without Pallet	N/A
Container 40 feet	With Pallet	31680
	Carton / Pallet	66
	Without Pallet	N/A
Container 40 HQ	With Pallet	34560
	Carton / Pallet	72
	Without Pallet	N/A