

ELC-LM120S-TAA



ELC-LM120S-HP



LIQMAX 120 mm Liquid Cooler

Features

COOLING & DESIGN

Maintenance-free Cooling System

All-in-One liquid CPU cooler with pre-filled coolant offers best usability and maximum cooling performance for powerful PC systems with multi-core CPUs.

Shunt-Channel Technology

Patented cold plate design for maximum cooling performance. The shunt inside the micro-fin structure minimizes the "Boundary Layer" effect, eliminates hot spots much quicker and ensures a perfect heat dissipation.

Extruded Cold Plate Design

Stable performance, higher heat conductivity and tightest fit to the CPU thanks to the extruded cold plate design.

Stylish & Performance-Capable Water Block

Low operation noise and efficient cooling performance thanks to long-lasting ceramic bearing pump. Blue LED logo displays operation mode.

High Pressure Twister Fans*

The new Enermax High Pressure fan is designed especially for the use on radiators. Due to its innovative shape and the quality structure, the High Pressure fans achieve an exceptional high cooling performance and generate minimum noise. *only ELC-LM120S-HP

FANS

Adjustable Peak Speed Function & Automatic PWM Control

Easy fan speed customisation according to the system requirements. With a small switch at the back, the peak speed can be changed in three steps. The fan therefore offers three various RPM ranges: Silent Mode / Performance Mode / Overclock Mode. Within the selected mode, the fan is controlled automatically via PWM.

Twister Bearing

Smooth-running and persistent silent fans thanks to patented Twister Bearing Technology (min. 100,000 hours MTBF).

Eye Catcher

ELC-LM120S-TAA with blue T.B.Apollish Advance LED fans. Patented circular LED light with 12 diodes and Sparkle effect.

COMPATIBILITY

Easy & Universal Mounting System

Quick & user-friendly CPU cooler mounting supports all Intel and AMD CPU: Intel® 775/1150/1155/1156/1366/2011 and AMD® AM2/AM2+/AM3/AM3+/FM1/FM2/FM2+.

Long-lasting Tubes

High-quality tubes made of FEP (Fluorinated Ethylene Propylene) guarantee a non-permeable and long-lasting operation.

High Conductive Thermal Grease

Tube with Dow-Corning® thermal grease (TC-5121) for best thermal conduction between CPU and Water Block.

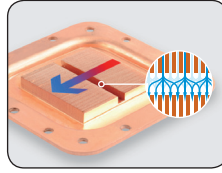
Features



Liqmax in action



LED logo shines blue during operation



Shunt-Channel Cold Plate



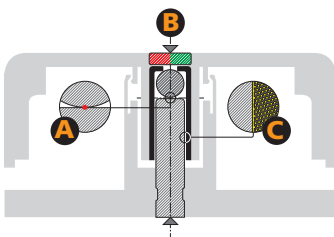
High-quality tubes made of FEP (Fluorinated Ethylene Propylene)



Dow-Corning® thermal grease (TC-5121)

High-Pressure Fans

ELC-LM120S-HP: High Pressure Fan with Twister Bearing Technology



- A** Minimal contact area
For an effective noise reduction
- B** Rotor with integrated magnet
For a frictionless and smooth motion
- C** Self-lubricating bearing sleeve
Abrasion protection for a longer lifetime



Persistent low noise level
Longer life: up to 100,000 hours MTBF



APS: Adjustable Peak Speed

Easy fan speed customisation according to the system requirements. With a small switch at the back, the peak speed can be changed in three steps. The fan therefore offers three various RPM ranges: Silent Mode / Performance Mode / Overclock Mode.

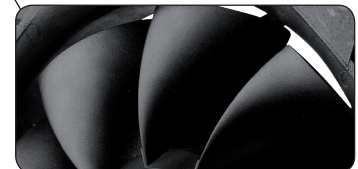


High Quality Material
Avoids fan vibration at high speed.

ELC-LM120S-TAA: T.B.Apollish Advance Twister Bearing Technology



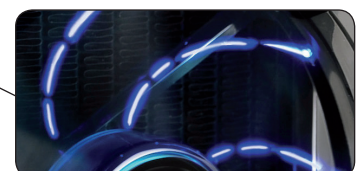
The most eye-catching LED fan on the market



Special Fan Blade Shape
To Generate higher static pressure.



Patented LED Ring
Circular LED light with 12 diodes



Sparkle Effect
Cool effects for a cool performance

Specifications

	ELC-LM120S
Compatible Sockets	Intel® LGA 775/1150/1155/1156/1366/2011 AMD® AM2/AM2+/AM3/AM3+/FM1/FM2/FM+
Cold Plate Material	Copper
Weight without fan (g)	505
Thermal Grease	Dow Corning® TC-5121

Pump	
Bearing Type	Ceramic Bearing
MTBF (h)	50,000
Motor Speed (RPM)	2,300
Rated Voltage (V)	12
Rated Current (A)	0.3
Connector	4-PinV

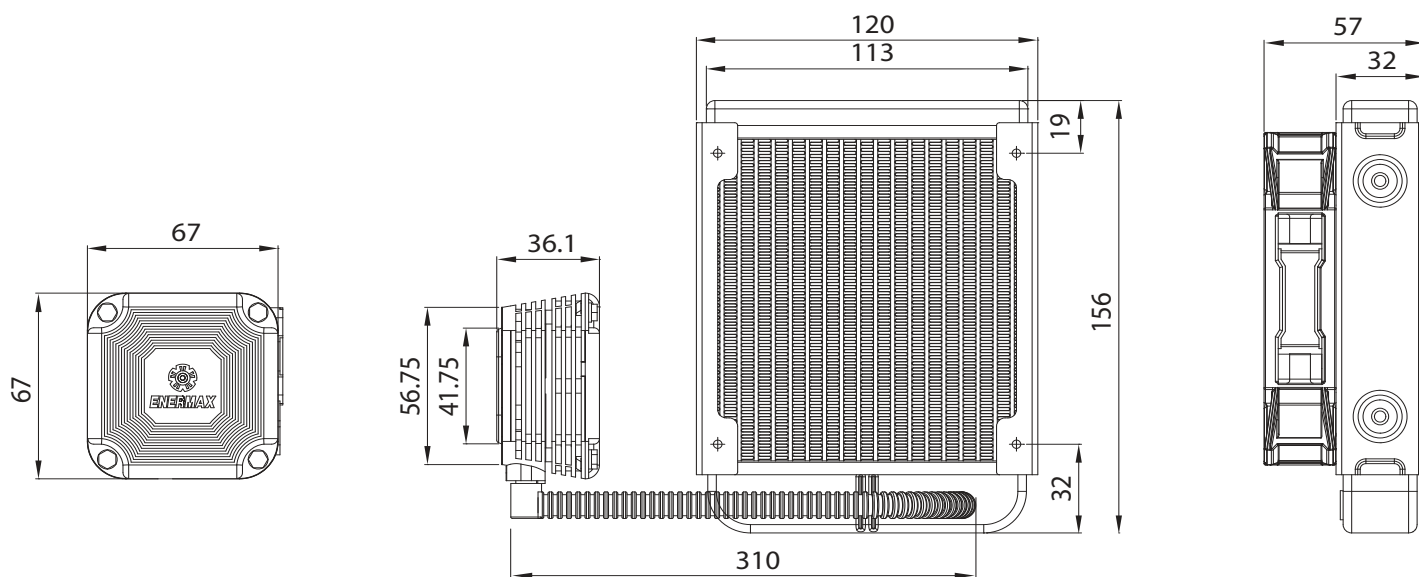
Radiator	
Dimensions (mm)	D 32 x W 120 x H 156
Material	Aluminium

Tubes	
Length (mm)	310
Material	FEP

	ELC-LM120S-TAA	ELC-LM120S-HP
Model	T.B.Apollish Advance	High Pressure
Dimensions (mm)	W 120 x H 120 x D 25	
Bearing Type	Twister Bearing Technology (patented)	
Fan Speed (RPM)	600 - 1,300 ¹ /2,000 ² /2,500 ³	
Rated Current (A)	0.13 ¹ /0.27 ² /0.45 ³	
Rated Voltage (V)	12	
Air Flow (m³/h)	41.6 - 87.7 ¹ /143.7 ² /179.7 ³	48.5 - 102.4 ¹ /150.9 ² /188.7 ³
Air Flow (CFM)	24.5 - 51.6 ¹ /84.6 ² /105.7 ³	28.6 - 60.3 ¹ /88.9 ² /111.0 ³
Static Pressure (mm-H ₂ O)	0.8 - 1.5 ¹ /2.4 ² /3.7 ³	0.8 - 1.7 ¹ /4.7 ² /7.4 ³
Noise Level (dB(A))	14 - 20 ¹ /27 ² /30 ³	15 - 21 ¹ /27 ² /30 ³
LED	15 - 21	15 - 27
MTBF (hours)	100,000	
Connector	4-Pin-PWM	
Quantity	1	
Mounting	Screws	

Adjustable Peak Speed Modi: ¹Silent Mode - ²Performance Mode - ³Overclock Mode

Dimensions (in mm)



Certifications & Standards

