

# SmartCooler®

DATASHEET

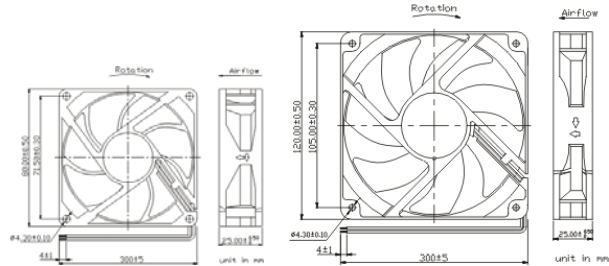
cooler than smart

## LFS1120: SmartCooler® Apple Fan Kit

Picture similar to original product:



Drawing similar to original product:



### Description:

SmartCooler® industrial high end fan kit for Apple Macintosh Computer. Made of PBT + 15-30% GF UL94V-0 with very low noise features, minimum vibration and minimum pulsing noise. Kit contents one standard speed and one SmartSpeed® fan.

### Product data:

Size (LxWxH):	120x25mm, 80x25mm	Bearing:	2 ball high tech nano bearing
Hole distance:	105.0mm, 71.5mm	Weight:	165 gramm, 70 gramm
Hole diameter:	4.3mm	Frame:	8-Hole Frame
Cable:	500mm, UL 1007 AWG 26	Connector:	3-Pin connector 2.54mm
Optional features:	Speed signal	Add on:	3 to 2 Pin cable, screws, SmartVIB's®

### Function data:

(V)= 4-Hole, (P)= PWM

Version:	LT		ET		MT		ST	
Size:	120x25mm	80x25mm	120x25mm	80x25mm	120x25mm	80x25mm	120x25mm	80x25mm
R.P.M. +/- 10%:	1.500	900-1.900	2.000	900-1.900	2.500	900-1.900	3.000	900-1.900
Airflow m³/h:	105.00	22.50-49.00	140.00	22.50-49.00	175.00	22.50-49.00	210.00	22.50-49.00
Airflow cfm:	61.76	13.23-28.82	82.35	13.23-28.82	102.94	13.23-28.82	123.52	13.23-28.82
Aqmm.	1.906	0.353-1.415	3.325	0.353-1.415	5.464	0.353-1.415	7.625	0.353-1.415
Noise dbA:	25.00	7.00-19.00	32.00	7.00-19.00	38.00	7.00-19.00	45.00	7.00-19.00

### Electrical data:

Rated current Amp:	0.15A	0.05-0.09A	0.22A	0.05-0.09A	0.30A	0.05-0.09A	0.40A	0.05-0.09A
Rated Power Watt:	1.80W	0.60-1.08W	2.64W	0.60-1.08W	3.60W	0.60-1.08W	4.80W	0.60-1.08W
Starting voltage:	5.00V	8.00V	5.00V	8.00V	5.00V	8.00V	5.00V	8.00V
Operation voltage:	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V

### Physical boundaries:

MTBF time about:	300.000 hours	Drop test:	Withstands free body drop of 30cm on a 1m² wooden table with a thickness of 10mm.
Max.environment°C:	70°C	Vib. test:	1.000 R.P.M at 2mm amplitude for 30 Min.

Item:

Safety standards:

Produced after following standards: CE, TÜV, UL, UR

Item:

Packing:

Size retail Box (LxWxH): 290x180x25mm

Shipping qty. carton: 20 pcs.

Note:

Revision:

Revision: 3.3

Last change: 2008-09-03

SmartCooler GmbH accept no liability for accuracy of the above given information.  
Technical changes are subject to alteration.

SmartCooler GmbH - Bernardstraße 5-7 - D-63179 Obertshausen, Germany - EUROPE - Fon +49/6104/600 47-0 - Fax +49/6104/600 47-99  
Geschäftsführer - Reinhard Bormuth - Handelsregister Offenbach HRB 11467 - VAT-No.: DE114191179  
Internet: <http://www.smartcooler.de> - E-Mail: [support@smartcooler.de](mailto:support@smartcooler.de)