



# DATASHEET

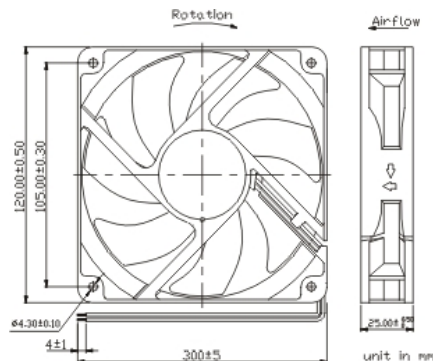
cooler than smart

## LFW1512: SmartCooler© industrial fan 120x120x25mm

Picture similar to original product:



Drawing similar to original product:



### Description:

120x25mm SmartCooler© industrial high end fan made of PBT + 15-30% GF UL94V-0 with very low noise features, minimum vibration and minimum pulsing noise. Rotation from 700 up to 3.500 R.P.M.. Airflow from 49.0 – 245.0m³/h. Noise from 12-52dBa.

### Product data:

|                    |                       |             |                               |
|--------------------|-----------------------|-------------|-------------------------------|
| Size (LxWxH):      | 120x120x25mm          | Bearing:    | 2 ball high tech nano bearing |
| Hole distance:     | 105.0mm               | Weight:     | 165 gramm                     |
| Hole diameter:     | 4.3mm                 | Frame:      | 8- or 4-Hole Frame            |
| Cable:             | 500mm, UL 1007 AWG 26 | Connector:  | 3-Pin, 4-Pin connector 2.54mm |
| Optional features: | Speed signal          | Autorestart | PWM-Signal                    |

### Function data:

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

| Version:        | L     | E     | M      | S(P)   | H(P)   | U(P)   | X(P)   |
|-----------------|-------|-------|--------|--------|--------|--------|--------|
| R.P.M. +/- 10%: | 700   | 1.000 | 1.500  | 2.000  | 2.500  | 3.000  | 3.500  |
| Airflow m³/h:   | 49.00 | 70.00 | 105.00 | 140.00 | 175.00 | 210.00 | 245.00 |
| Airflow cfm:    | 28.82 | 41.17 | 61.76  | 82.35  | 102.94 | 123.52 | 144.12 |
| Aqmm.           | 0.476 | 1.187 | 1.906  | 3.325  | 5.464  | 7.625  | 9.604  |
| Noise dbA:      | 12.00 | 15.00 | 25.00  | 32.00  | 38.00  | 45.00  | 52.00  |

### Electrical data:

|                    |        |        |        |        |        |        |        |
|--------------------|--------|--------|--------|--------|--------|--------|--------|
| Rated current Amp: | 0.03A  | 0.04A  | 0.08A  | 0.11A  | 0.15A  | 0.20A  | 0.25A  |
| Rated Power Watt:  | 0.72W  | 0.96W  | 1.92W  | 2.64W  | 3.60W  | 4.80W  | 6.00W  |
| Starting voltage:  | 12.00V | 12.00V | 12.00V | 12.00V | 12.00V | 12.00V | 12.00V |
| Operation voltage: | 24.00V | 24.00V | 24.00V | 24.00V | 24.00V | 24.00V | 24.00V |

### Physical boundaries:

|                    |                             |            |                                                                                   |
|--------------------|-----------------------------|------------|-----------------------------------------------------------------------------------|
| MTBF time about:   | <= H = 300K/h, > H = 250K/h | 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):

225x180x25mm

Shipping qty. carton:

100 pcs.

### Note:

### Revision:

Revision: 3.3

Last change: 2008-09-01

SmartCooler GmbH accept no liability for accuracy of the above given information.

Technical changes are subject to alteration.

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