

E12B23MWBL00

AC axial fans

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An EC fan (stand for Electronically Commutated) is a brushless, direct current, motor. This runs on a DC voltage, but with a single phase AC supply. Thanks an electronic PCB board included in the stator, single phase AC voltage is transformed into a direct voltage by an AC/DC converter. EC motors assure energy efficiency, quiet operation and high performances.

| Technical data      |                     |        |
|---------------------|---------------------|--------|
| APPROVALS           |                     |        |
| Approvals           | CE; UKCA            |        |
| PERFORMANCE         |                     |        |
| Max Airflow         | 169/176             | m³/h   |
|                     | 99/104              | CFM    |
| Max Static Pressure | 55/58               | Pa     |
|                     | 0.22/0.23           | in H2O |
| RPM                 | 2500/2700           | RPM    |
| ELECTRICAL DATA     |                     |        |
| Rated Voltage       | 230                 | V a.c. |
| Rated Current       | 0.04/0.04           | A      |
| Rated Power         | 4/4                 | W      |
| Operating Voltage   | 140-264             | V a.c. |
| Frequency           | 50/60               | Hz     |
| Appliance Class     | II                  |        |
| Insulation Class    | B                   |        |
| Motor Protection    | Impedance Protected |        |
| MECHANICAL DATA     |                     |        |
| Bearing             | Ball Bearing        |        |
| GENERIC DATA        |                     |        |
| Casing Material     | Plastic UL94-V0     |        |

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| Technical data                 |                           |            |
|--------------------------------|---------------------------|------------|
| Life Expectancy                | 50000                     | h at 25 °C |
|                                | 50000                     | h at 77 °F |
| Airflow Direction              | Air exhaust over brackets |            |
| Electrical Connection          | Wires                     |            |
| Fan Noise                      | 40/41.8                   | dB(A)      |
| Cable Length                   | 300                       | mm         |
|                                | 11.81                     | in         |
| Fixing System                  | Screws                    |            |
| ENVIRONMENTAL AND THERMAL DATA |                           |            |
| IP Protection Degree           | IP20                      |            |
| Operating Temperature          | -30÷70                    | °C         |
|                                | -22÷158                   | °F         |
| Storage Temperature            | -40÷75                    | °C         |
|                                | -40÷167                   | °F         |

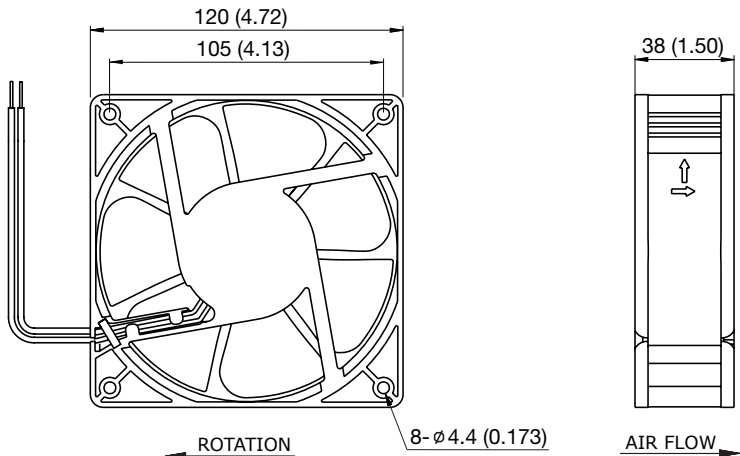
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Technical drawing mm (in)



Air Performance

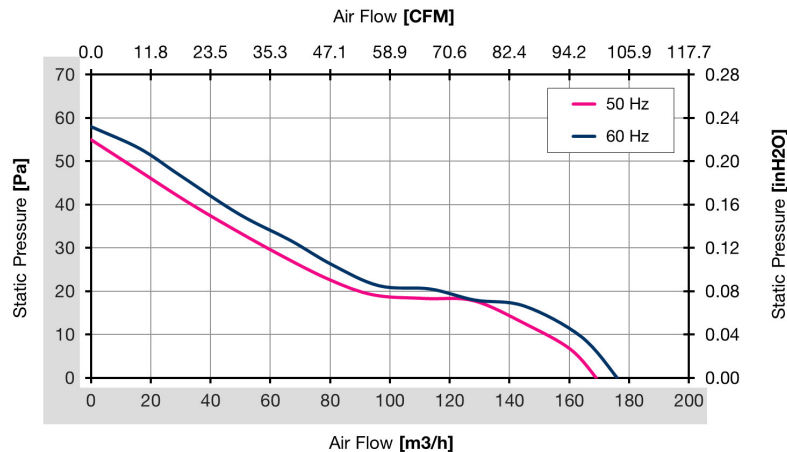


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