

**FF20GA230NE31**

Type 3R version with fan

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FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

| Technical data              |                        |        |
|-----------------------------|------------------------|--------|
| APPROVALS                   |                        |        |
| Approvals                   | CE; cURus; cULus; UKCA |        |
| PERFORMANCE                 |                        |        |
| Max Airflow                 | 680/765                | m³/h   |
|                             | 400/450                | CFM    |
| Airflow with Exhaust Filter | 420/470                | m³/h   |
|                             | 247/277                | CFM    |
| Max Static Pressure         | 200/210                | Pa     |
|                             | 0.80/0.84              | in H2O |
| ELECTRICAL DATA             |                        |        |
| Rated Voltage               | 230                    | V a.c. |
| Rated Current               | 0.53/0.69              | A      |
| Rated Power                 | 120/158                | W      |
| Operating Voltage           | 207-253                | V a.c. |
| Frequency                   | 50/60                  | Hz     |
| Appliance Class             | I                      |        |
| Motor Protection            | Thermally Protected    |        |
| MECHANICAL DATA             |                        |        |
| Mounting Wall Thickness     | 1.3-3.7                | mm     |
|                             | 0.05-0.15              | in     |
| GENERIC DATA                |                        |        |
| Spare Parts Filter Media    | M20FPF-EU3RM           |        |

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|-------------------------------------|---|--------------------------|
| Casing Material                     | PBT UL94 5VB  |                          |
| RAL Number                          | 9005  |                          |
| Airflow Direction                   | Direct  |                          |
| Electrical Connection               | Screwless Terminal Block                            |                          |
| Life Expectancy                     | 57500/70000<br>57500/70000                          | h at 25 °C<br>h at 77 °F |
| Wires Section                       | 0.75-2.5  | mm <sup>2</sup>          |
| Wires Section                       | 20-14   | AWG                      |
| Fan Noise                           | 72/75   | dB(A)                    |
| Filter Class                        | G3  | EN 779                   |
| Filter Class                        | ISO coarse 55%                                      | ISO 16890                |
| Filter Material                     | thermo-linked progressive structure synthetic fibre |                          |
| ENVIRONMENTAL AND THERMAL DATA      |   |                          |
| IP Protection Degree                | IP55  |                          |
| Operating Temperature               | -10÷55<br>14÷131                                    | °C<br>°F                 |
| Storage Temperature                 | -30÷70<br>-22÷158                                   | °C<br>°F                 |
| UL DATA                             |   |                          |
| UL File Number Recognized Component | E237844   |                          |
| UL File Number Listed               | E500932   |                          |
| UL Environmental Type Rating        | Type 3R   |                          |
| UL Ambient Temperature              | 55<br>131   | °C<br>°F                 |

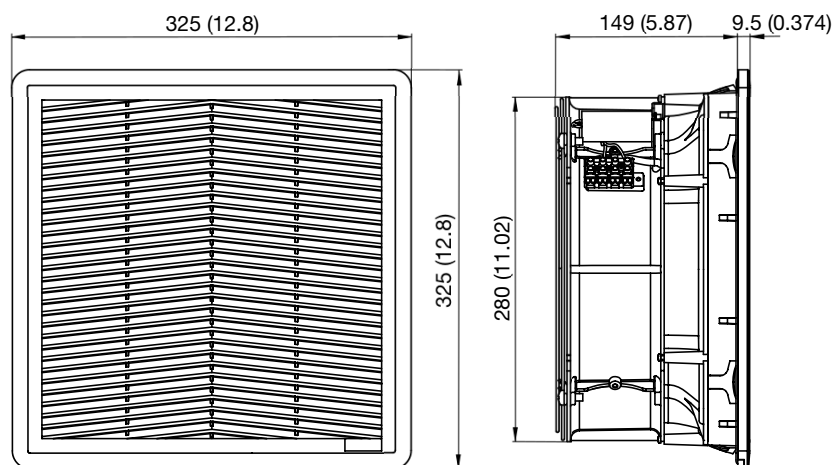
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Technical drawing mm (in)



Mounting cut-out mm (in)

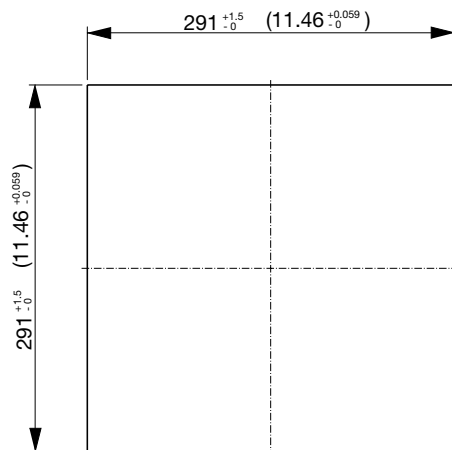


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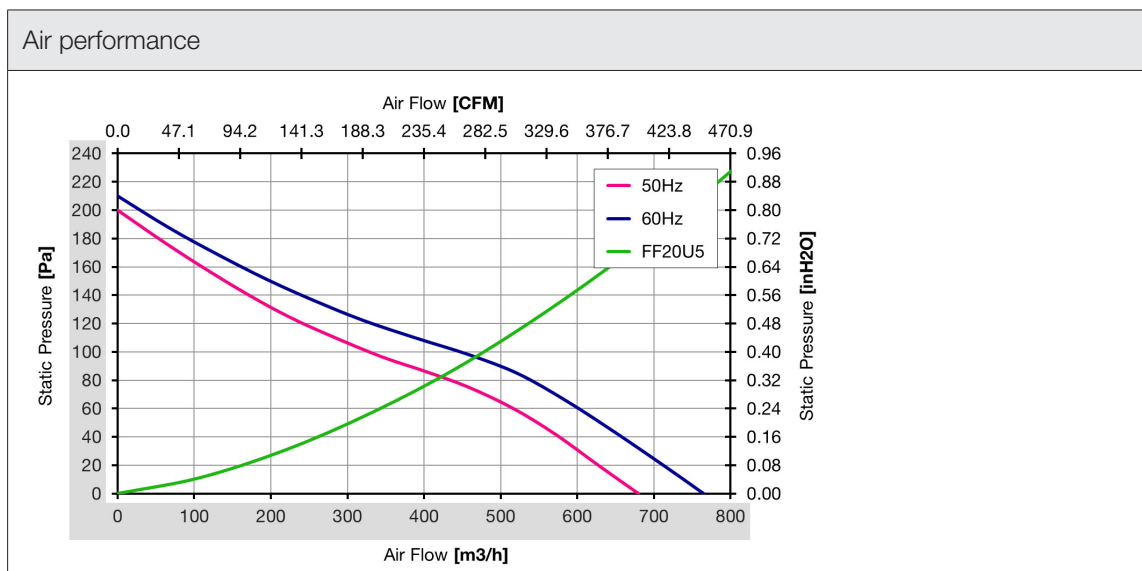


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