



# **MINIVENT SERIES**

Axial Roof Unit

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## Description

The Minivent Series of axial roof units has been designed for use in a wide range of free intake or ducted exhaust air applications. They can be speed controlled and are available in 6 sizes ranging from 112 to 350mm diameter.

#### **Typical Applications**

General exhaust from domestic and commercial premises such as small warehouses, workshops, storerooms, bathrooms, kitchens and laundries.

#### **Features**

- · Robust, lightweight construction.
- Wide choice of speeds for most sizes.
- All motors are speed controllable.
- Can be used on ducted systems.
- Can be mounted at angles up to 30°.
- Backdraft shutters can be fitted to fans 250 to 350mm diameter (see Additional Information).
- Units for supply air applications can be supplied. Refer to Alpha supply range.

#### Construction

Cowls are of UV-stabilised injection moulded plastic.

The impellers are of powder coated galvanised steel.

#### Motor

Type - external rotor, squirrel cage induction motors.

Electricity supply - 230V, single-phase, 50/60Hz.

Ball Bearing - sealed for life.

Speed-controllable.

Motor protection - IP44.

See pages O-2/3 for details on these motors.

#### **Internal Thermal Protection**

MV112 and 132 are impedance protected.

MV202 and above are fitted with thermal contacts as standard.

#### **Testing**

Airflow tests to BS848:Part 1, 1980 Noise tests to BS848:Part 2, 1985

#### **Additional Information**

When backdraft-shutters are used derate the performance by 15-20%.

For supply air applications refer to pages D-13/15 for selection data.

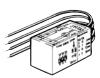
## Ancillary Equipment







VA - Speed controller Ref. Section M



VZ - Run-on timer Ref. Section M

# Suggested Specification

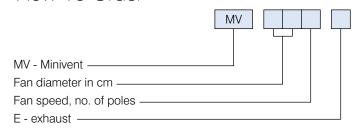
The roof units shall be of the Minivent Series as designed and manufactured by Elta Fans.

The axial impellers shall be direct-driven by speed-controllable, external rotor motors with integral thermal protection.

The cowl shall be of UV-stabilised, injection moulded plastic with built-in terminal box.

All models shall be fully tested to BS848:Part 1, 1980 for airflow and BS848:Part 2, 1985 for noise.

### How To Order



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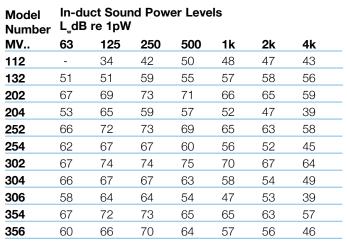
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## Technical Data

| Model<br>Number<br>MV | Fan<br>Speed<br>rev/sec | Avg.<br>dB(A)<br>@ 3m | Single-p<br>Watts | hase<br>Amps* | Max.<br>°C |
|-----------------------|-------------------------|-----------------------|-------------------|---------------|------------|
| 112                   | 44                      | 33                    | 22                | 0.11          | 50         |
| 132                   | 46                      | 43                    | 46                | 0.25          | 50         |
| 202                   | 43                      | 52                    | 70                | 0.36          | 50         |
| 204                   | 24                      | 38                    | 30                | 0.14          | 60         |
| 252                   | 42                      | 51                    | 110               | 0.63          | 50         |
| 254                   | 23                      | 42                    | 60                | 0.18          | 60         |
| 302                   | 41                      | 55                    | 180               | 0.79          | 50         |
| 304                   | 22                      | 44                    | 90                | 0.41          | 50         |
| 306                   | 16                      | 39                    | 50                | 0.23          | 50         |
| 354                   | 20                      | 50                    | 140               | 0.68          | 50         |
| 356                   | 16                      | 45                    | 110               | 0.48          | 50         |

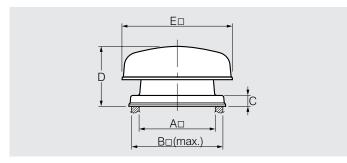
<sup>\*</sup> Amperages shown are a guide only. Refer to our Sales Department for accurate figures at time of order.

## Noise Data

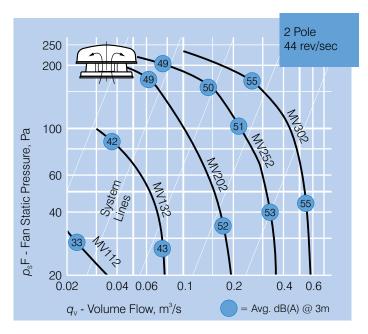


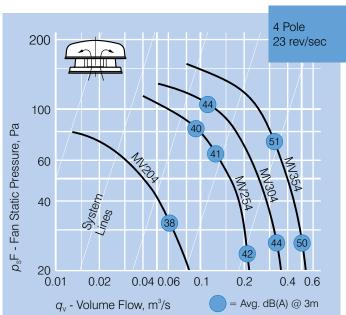
Sound Power Levels shown are for the Inlet Side of the unit.

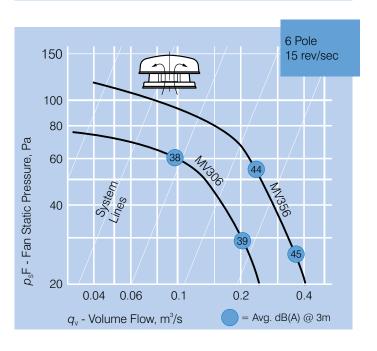
## Dimensions



| Model<br>Number<br>MV | Dime<br>A⊟ | ensions<br>B | , mm<br>C | D   | E∏  | App.<br>wt.<br>kg. | App.<br>vol.<br>m³ |
|-----------------------|------------|--------------|-----------|-----|-----|--------------------|--------------------|
| 112                   |            | 222          |           | 000 |     | 1.3                | 0.02               |
| 132                   | 210        | 260          | 30        | 200 | 310 | 1.9                |                    |
| 202                   | 350        | 410          | 55        |     | 570 | 4.6                | 0.14               |
| 204                   |            |              |           | 250 |     | 4.5                |                    |
| 252                   |            |              |           | 350 |     | 5.9                |                    |
| 254                   |            |              |           |     |     | 6.1                |                    |
| 302                   | 350        | 410          | 55        |     | 570 | 6.9                | 0.14               |
| 304                   |            |              |           | 350 |     | 6.5                |                    |
| 306                   |            |              |           |     |     | 6.5                |                    |
| 354                   | 400        | 500          | 95        | 380 | 670 | 8.5                | 0.20               |
| 356                   |            |              |           | 360 |     | 8.5                |                    |









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