

ENV 100 & 250

Centrifugal Bathroom & Kitchen Fans



Features

- Powerful forward curved centrifugal impellers
- Automatic backdraught shutter as standard
- Variety of fan function options
- SELV model available

Benefits

- Compact
- Quiet operation
- Front cover clips off to access impeller for easy cleaning
- Two year guarantee
- Meets building regulations



The ENV range of centrifugal fans are suitable for many domestic general applications where higher system resistances are encountered. The range comprises of two sizes of ENV; the 100 and 250, each available with a variety of fan function options and suitable for wall, ceiling and ducted applications.

With automatic backdraught shutters fitted as standard, this prevents air entry and limits heat leakage when the extract fan is not operating. Supplied with double electrical insulation, all models are IPX4 rated.

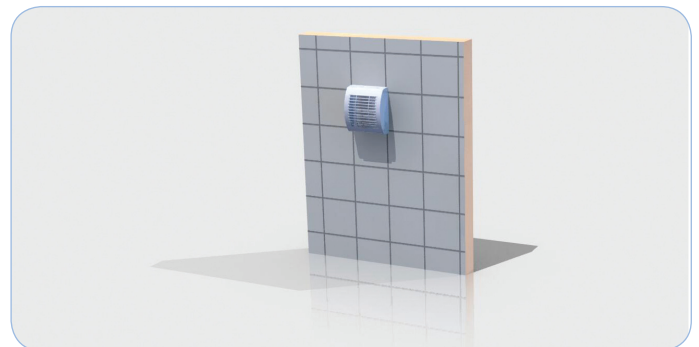
High Performance

The ENV models are designed with powerful forward curved centrifugal fans, developing substantial pressure development. Incorporating two and four pole motors with thermal overload protection fitted as standard, these extract fans deliver high performance with minimum noise generation.

The ENV 100 is suitable for bathroom installations, delivering a maximum airflow of 110m³/h whilst the ENV 250 is suitable for kitchens, delivering a maximum airflow of 225m³/h. Both are available in three versions to include standard, timer and humidistat options.

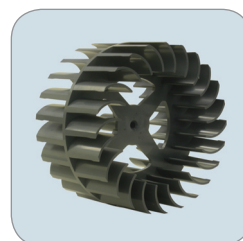
SELV Models

The ENV 100 12V models are available in a variety of fan functions to include standard, timer and humidistat options. Using the CT-45/12 transformer the fan provides total safety within the spray area of a shower or bath to be installed out of the reach of any water spray or person using a bath or shower.



Backdraught shutter

ENV 100 is fitted with an automatic backdraught shutter to prevent air entry and limit heat leakage when the extract fan is not operating.



Forward curved centrifugal impeller

To deliver high airflow performance against high static pressure resistance with minimum noise generation

Optional Features

ENV S – standard model

ENV T – adjustable electronic Run-On-Timer set between 5 to 25 minutes.

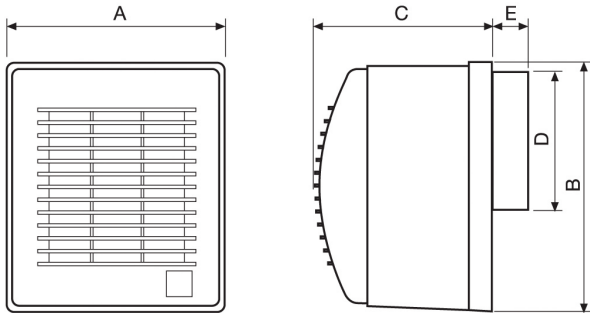
ENV HT – internal humidistat which automatically switches on the unit when the relative humidity rises above the selected set level (adjustable between 65% and 90% RH).

ENV 12V – Safety Extra Low Voltage (SELV) models using CT-45/12 transformer

| Order Code | Model Code | Neon light | Backdraught shutter | Adjustable run-on-timer | Internal humidistat |
|------------|------------|------------|---------------------|-------------------------|---------------------|
| ENV S | S* | X | X | | |
| ENV T | T* | X | X | X | |
| ENV HT | HT* | X | X | X | X |

* 12V version available in the 100 model only

Dimensions (mm)

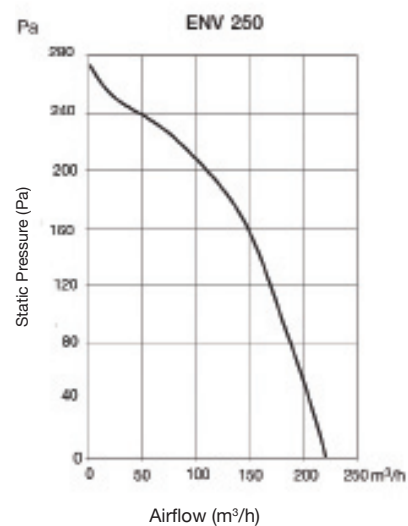
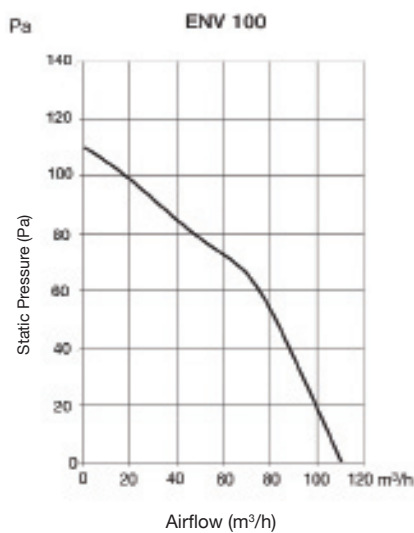


| Model | A | B | C | Ø D | E |
|---------|-----|-----|-------|-----|----|
| ENV-100 | 156 | 179 | 126.5 | 98 | 25 |
| ENV-250 | 204 | 179 | 173 | 98 | 25 |

Related Product Information

| | |
|-----------------------------|------------|
| Wiring Diagrams | Pg 90 |
| Typical Specifications | Pg 76-77 |
| Ancillaries and Accessories | Pg 63 - 67 |

Performance Curves



Typical Specifications

| Model | Speed (r.p.m) | Watts | Voltage(V) 50Hz | Airflow (m³/h) | Sound pressure level at 1.5m (dB(A)) | Weight (Kg) | Insulation IP rating |
|---------|---------------|-------|-----------------|----------------|--------------------------------------|-------------|----------------------|
| ENV 100 | 2250 | 30 | 220-240 | 31 (110) | 45.5 | 1.1 | IPX4* |
| ENV 250 | 2200 | 87 | 220-240 | 62.5 (255) | 52 | 2.6 | IPX4* |

*HT version: IPX2