

Section 1 - Demand Control Ventilation



- Corrosion resistant aluminium profile with cast aluminium corners
- Unit design provides a smooth internal surface
- Backward curved centrifugal impeller
- Flexible outlet positioning
- Double skinned housing manufactured from pre-galvanised mild steel sheet with 40mm non-flammable mineral wool infill for thermal and acoustic insulation
- Easy to open clean integral drip pan
- ICU display to assist in set up

Size

500mm diameter.

Fan Performance

The fan has been tested using a duct test chamber in accordance with DIN 24163. The values refer to an air density of 1.2Kg/m³ at 20°C.

Electrical Supply

230V / 50Hz / 1 ϕ ,

All 1 ϕ fans are speed controllable using the Fläkt Woods iFan Intelligent Control Unit (ICU1.5), connected via cable and plug, installed in customer weather proof area.

Temperature Range

-20°C to 40°C

Casings

Panel insulation is provided by non flammable (A1) mineral fibre slab in accordance with EN13501. Thermal insulation K = 0.89W/m²k in accordance with DIN 52210. Sound insulation Rw = approximately 25 dB in accordance with DIN 52210.

Accessories

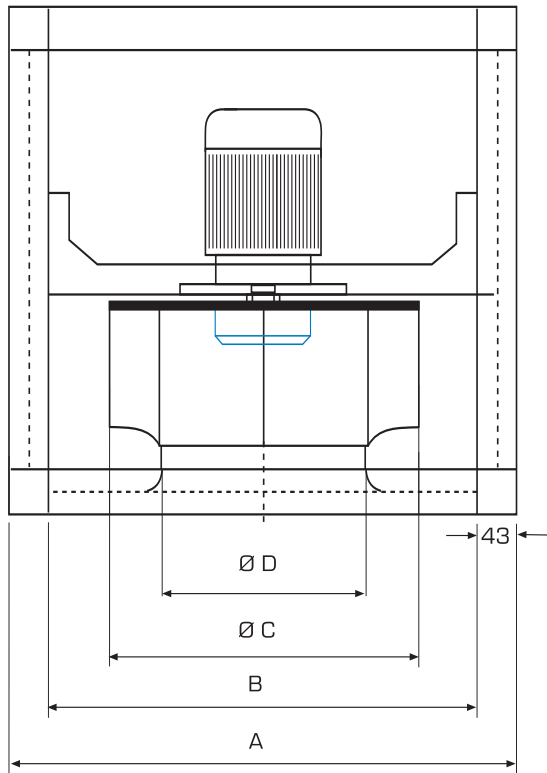
Circular inlet and outlet spigots.

Mounting

Mounting kit for ICU1.5 available, refer to section 1.8.



Dimensions



Casing can be easily configured on site to enable three different outlet possibilities.

| Product Code | A | B | C | D | Weight (kg) |
|--------------|-----|-----|-----|-----|-------------|
| 400 E4 | 700 | 614 | 400 | 362 | 55 |

All dimensions shown in mm.

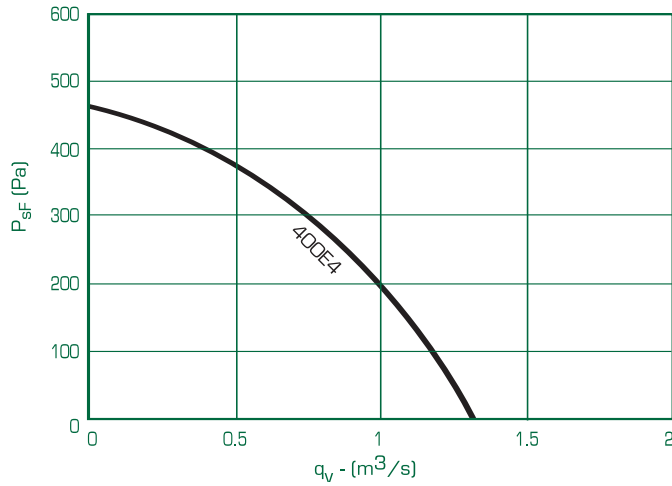
Refer to section 1.8 for ICU1.5 mounting kit.

For a full range of accessories, please refer to section 1.8 or 9.1 (which covers all accessories).

| | | |
|------------------|---|---|
| Express Range | - | These products are available from our UK Express Distributor on same day delivery from the date of order. |
| Standard Service | - | Please consult your local distributor for availability maximum 15 days. |

Performance Data

| Product Code | Speed (rev/min) | m ³ /s @ Pa (Static) | | | | | | | | | |
|--------------|-----------------|---------------------------------|------|------|------|------|------|------|------|------|------|
| | | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |
| 400E4 | 1345 | 1.31 | 1.27 | 1.20 | 1.12 | 1.01 | 0.89 | 0.74 | 0.58 | 0.38 | 0.09 |



Electrical Data

| Product Code | Speed (rev/min) | 230V/50Hz/1 ϕ | | | | Controller |
|--------------|-----------------|--------------------|-------------------|---------------------------------|--------------------------------|------------|
| | | Product Number | Motor Rating (kW) | Full Load Current (at 230V) (A) | Starting Current (at 230V) (A) | |
| 400E4 | 1345 | AX404102 | 0.565 | 2.7 | 6.1 | ICU1.5 |

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