

ACM 125

- Designed and manufactured in UK
- Three speed motor
- Timer versions available
- Removable motor core assembly
- Rotating motor chassis assembly
- IP44 rated
- Aesthetically pleasing with wipe clean polymer casing
- Sound data from independent testing
- Running speed selected on installation



Ducted Ventilation

Vent Axia has designed a complete range of energy efficient Mixed Flow In-Line fans that are now quieter, offer two and half times the pressure of conventional axial fans and are dimensionally more compact making them ideal for many ducted applications.

The ACM Mixed Flow In-Line fan can operate in both horizontal and vertical positions.

Motor

All motors have three speeds selectable on installation and are fitted with Standard Thermal Overload Protection (S.T.O.P.). Designed for ambient temperatures up to +50°C. All sizes with capacitor run motors. All sizes are Class II appliances. Supply voltage 220-240V/1/50Hz.

Installation

These units have a separate footplate for simple location mounting and detachable spigots for simple connection to ducting. The motor body chassis rotates to provide connection in acute spaces. Cleaning the product has also become simple as all parts can be removed without removing the ducting.

Controller

For optimum variable speed performance use a Vent-Axia 1.5 Amp electronic controller. Surface mounted providing variable speed control with an On/Off/sensor slider with indication light. There is an adjustable minimum speed setting. The controller has electrical connections for use with suitable external sensors. Cannot be used with timer models.

1.5 Amp Controller (Suitable for 100mm - 200mm models). Dimensions: 86 x 156 x 53mm (H x W x D).

Stock Ref
W300310

For flush fitting, a metal wall box accessory is available.

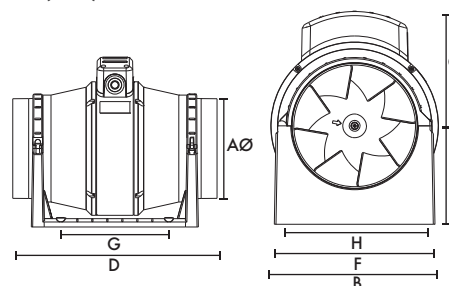
Stock Ref
400144

Hole for wall box: 80 x 150 x 150mm (H x W x D).

Models

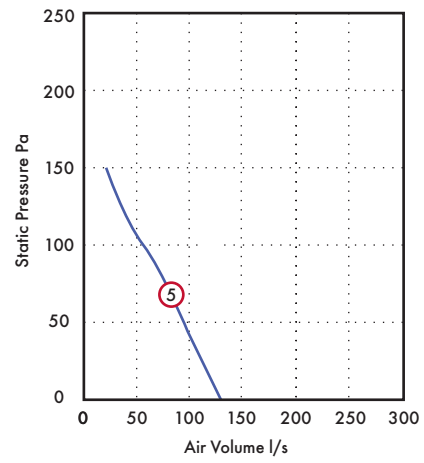
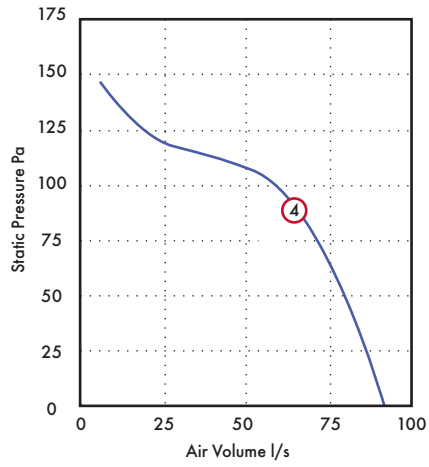
| Model | Stock Ref |
|---------|-----------------|
| ACM125 | 17105010 |
| ACM125T | 17105020 |

Dimensions (mm)



| Size | 125 |
|-----------------|-------|
| AØ | 122 |
| B | 178 |
| C | 124 |
| D | 259 |
| E | 96 |
| F | 168 |
| G (fixing hole) | 120 |
| H (fixing hole) | 153.5 |

Performance Guide



| Dia. | Motor Phase | Speed | r.p.m | IP Rating | Curve Ref. | l/s @ Pa | | | | | Motor kW | F.L.C Amps | dBA @ 3m |
|------|-------------|-------|-------|-----------|------------|----------|----|-----|-----|-----|----------|------------|----------|
| | | | | | | 0 | 50 | 100 | 150 | 200 | | | |
| 125 | 1 | Low | 1450 | IP44 | 3 | 60 | 40 | 10 | | | 0.03 | 0.1 | 17 |
| 125 | 1 | High | 2400 | IP44 | 4 | 90 | 80 | 60 | | | 0.02 | 0.12 | 24 |

*Medium speed is not shown.

Sound Data

| Dia. | Spectrum | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dBA @ 3m |
|------|---------------|----|-----|-----|-----|----|----|----|----|----------|
| 125 | Breakout High | 32 | 33 | 38 | 41 | 41 | 40 | 33 | 23 | 24 |
| 125 | Breakout Low | 27 | 33 | 30 | 39 | 30 | 29 | 24 | 22 | 17 |
| 125 | Inlet High | 36 | 47 | 53 | 58 | 55 | 53 | 47 | 39 | 39 |
| 125 | Inlet Low | 38 | 42 | 45 | 48 | 45 | 41 | 35 | 26 | 29 |
| 125 | Outlet High | 36 | 47 | 51 | 54 | 55 | 50 | 46 | 37 | 37 |
| 125 | Outlet Low | 33 | 41 | 45 | 45 | 44 | 38 | 33 | 25 | 26 |