

ACM[®] 100-200

In-Line Mixed Flow Fans Models



Features & Benefits

- Quietest on the market
- Designed and manufactured in UK
- Two speed selectable motor
- Timer versions available
- Removable motor core assembly
- Rotating motor chassis assembly
- Supplied complete for installation
- IP44 rated
- Aesthetically pleasing with wipe clean polymer

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 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.

These units have a separate footplate for simple location mounting and detachable spigots for simple connection to ducting. The motor body chassis now 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 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

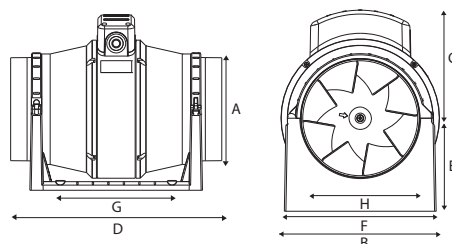
Hole for wall box: 80 x 150 x 150mm (H x W x D).

Models

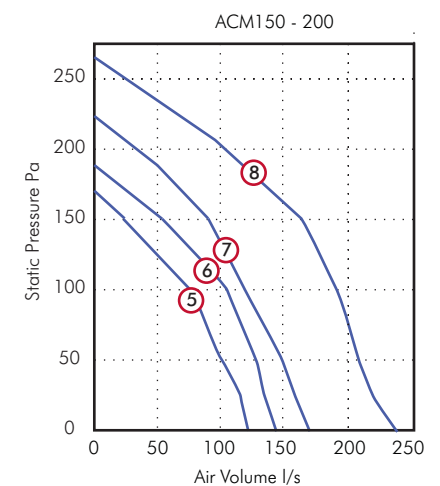
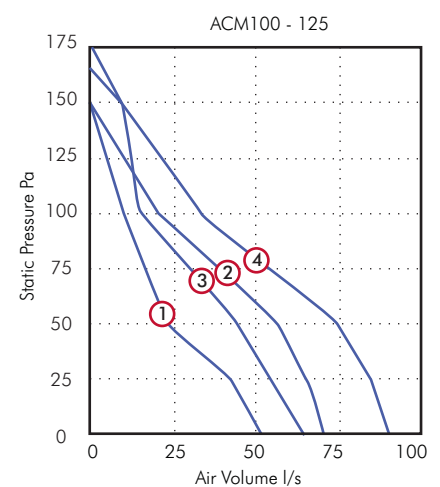
Model	Stock Ref
ACM100	17104010
ACM100T	17104020
ACM125	17105010
ACM125T	17105020
ACM150	17106010
ACM150T	17106020
ACM200	17108010
ACM200T	17108020

Dimensions (mm)

Size	100	125	150	200
A \varnothing	97	122	147	199.5
B \varnothing	178	178	200	223
C	124	124	138	146
D	298	259	350	300
E	96	96	118	130
F	168	168	192	195
G	120	120	162	100
H	153.5	153.5	178	180



Performance



Size	Curve	Nominal		dB(A)		
		r.p.m	l/s @ Pa	Watts	Amps	at 3m
100	1	L 1670	52	18	0.09	20
	2	H 2200	71	23	0.1	23
125	3	L 1800	65	25	0.12	20
	4	H 2400	91	30	0.13	24
150	5	L 1870	123	42	0.19	31
	6	H 2350	145	48	0.21	35
200	7	L 1650	170	114	0.51	32
	8	H 2250	240	107	0.48	38

ACM[®] 250-315

In-Line Mixed Flow Fans Models



Features & Benefits

- Available in two sizes
- Simple Installation
- Supplied complete for installation
- Optimise fan performance by using an approved Vent Axia controller
- Diagonal impeller with stator
- Galvanized metal housing
- Integrated thermal switch
- Includes a mounting bracket
- Designed to meet IP54

Ducted Ventilation

Vent Axia has designed a complete range of energy efficient Mixed Flow In-Line fans that are now quieter than any other product on the market. ACM is now in a range of six products in the range which have been designed for use with rigid and flexible ducting.

In Line Mixed Flow fans 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 and can be mounted to meet its optimum performance.

Motor

All motors 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. ACM 250 and 315 are Class I appliances. Supply voltage 220-240V/1/50Hz.

Models

Model	Stock Ref
ACM250	17110010
ACM315	17112010

Controller

For optimum performance use a Vent-Axia 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 is radio suppressed to BS EN 55014 and electrical connections for use with suitable external sensors are provided.

1.5 Amp Controller - Suitable for 250mm model
Dimensions: 86 x 156 x 53mm (H x W x D).

Stock Ref
W300310

Used in conjunction with speed controllable fans to provide 5 stepped speed without electronic motor 'hum'. Several fans can be connected to one transformer provided their combined load does not exceed the controller rating.

Single phase: 3.0amp. Rotary switch giving On/Off and five speeds.

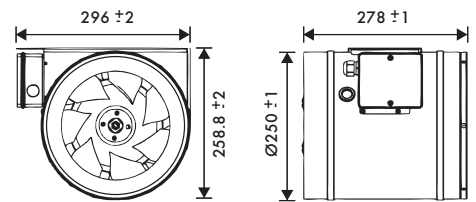
Output voltages at 240V/1PH/50Hz 0, 90, 115, 140, 175, 240 volts.

Neon indicator. Enclosures are protected to IP54.

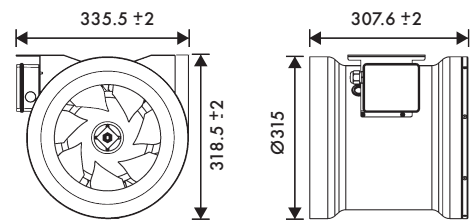
Dimensions: 135 x 170 x 117mm (H x W x D).

Stock Ref
10314103

Dimensions (mm)

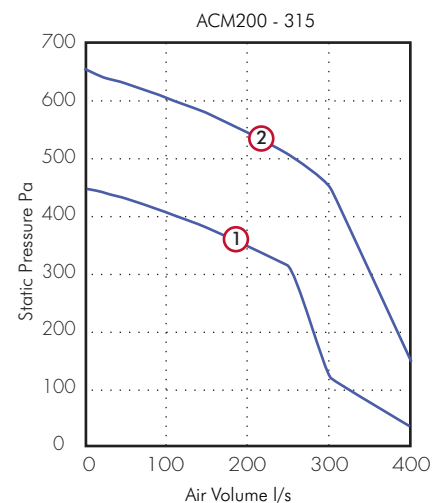


ACM250



ACM315

Performance



Size	Curve	Nominal r.p.m	l/s @ Pa	Watts	Amps	dB(A) at 3m
250	①	H 2720	450	145	0.8	52
315	②	H 2840	653	270	1.2	56