

ACM® In-Line Mixed Flow Fans



Features and Benefits

- Available in 6 sizes.
- 100mm and 150mm timer versions available.
- Single direction, two speed selectable motor.
- Easily accessible terminal box with 20mm entry.
- Rotating Chassis to ease installation.
- Supplied completely assembled, ready for on-site installation.
- For the best performance from your fan, use a Vent-Axia electronic controller.
- Timer models ACM100T & 150T not speed controllable.
- Designed to meet IP44

Ducted Ventilation

Vent-Axia has designed a complete range of six In-Line Mixed Flow fans for use with rigid and flexible ducting with energy efficiency and low sound levels in mind. Vent-Axia In-Line Mixed flow fans offer almost two and a half times the pressure development of conventional axial fans making them ideal for many ducted applications. They are dimensionally compact and feature low noise and non-overloading characteristics. Compact mixed flow blade design with guide vanes provides optimum pressure characteristics. With installation made very easy all sizes feature a removable motor body and impeller assembly for easy cleaning without removing ductwork. ACM can be mounted horizontally or vertically on any flat surface. The impeller/motor assembly rotates to allow convenience to wiring at whatever required angle of installation.

Motor

All motors are fitted with Standard Thermal Overload Protection. (S.T.O.P.). Motors are speed controllable on their high speed setting. Designed for ambient temperatures up to +50°C. Size 100 and 125 with shaded pole motors. Size 150, 200, 250 and 315 with capacitor start and run motors. All sizes are Class I appliances. Supply voltage 220-240V/1/50Hz



Rotating Chassis to ease installation where room is at a premium

Model	Stock Ref	GEN	£ Trade
ACM100	17104010C		100.63
ACM100T	17104020E		124.80
ACM125	17105010C		125.42
ACM150	17106010B		153.01
ACM150T	17106020C		186.54
ACM200	17108010A		225.07
ACM250	17110010A		331.47
ACM315	17112010A		379.40

Controller

For optimum performance use a Vent-Axia electronic controller. Surface mounted providing variable speed control with an On/Off/sensor slider with neon indicator. 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.

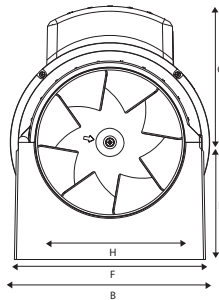
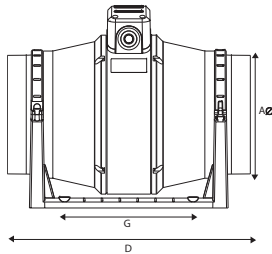
86 x 156 x 53mm (H x W x D). For flush fitting a metal wall box accessory is available. Stock Ref 400144
Hole for wall box: 80x150x150mm (HxWxD)s.

Stock Ref	GEN	£ Trade
W300310		68.87



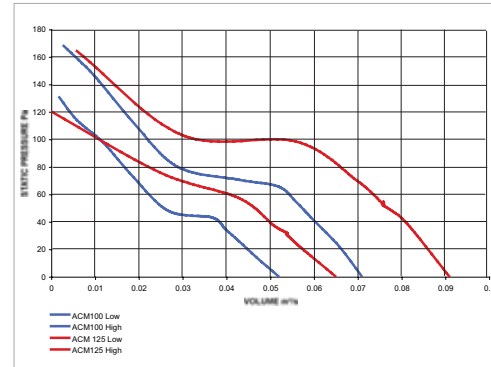
Dimensions (mm)

Size	100	125	150	200	250	315
AØ	97	122	147	197	248	310
BØ	178	178	200	207	253	335
C	124	124	138	135	186	220
D	298	259	350	300	385	455
E	96	96	118	130	156	190
F	168	168	192	140	170	210
G	120	120	162	100	145	182
H	153.5	153.5	178	94	138	178

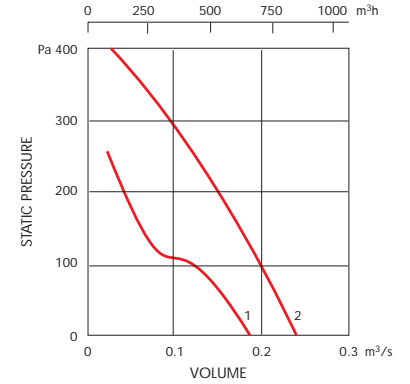


Performance Graphs

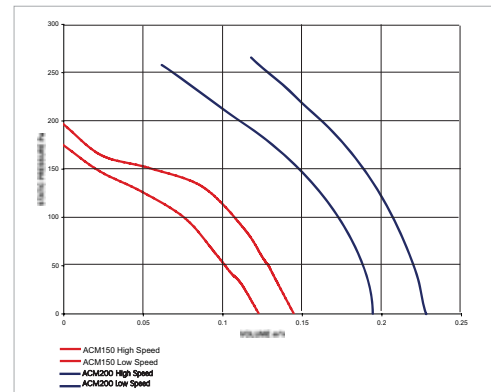
100/125mm



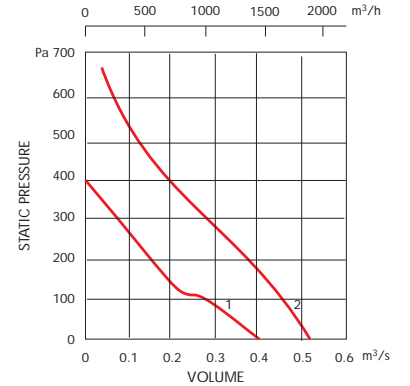
250mm



150/200mm



315mm



Performance

Model	Nominal r.p.m	Performance m³/s @ Pa									Watts	Amps	dB(A) at 3m
		0	25	50	100	150	200	250	300	400			
ACM100	L 1670	0.052	0.043	0.024	0.01	-	-	-	-	-	18	0.09	20
ACM100T	H 2200	0.071	0.065	0.057	0.02	-	-	-	-	-	23	0.1	23
ACM125	L 1800	0.065	0.055	0.044	0.015	0.01	-	-	-	-	25	0.12	20
	H 2400	0.091	0.085	0.076	0.033	0.01	-	-	-	-	30	0.13	24
ACM150	L 1870	0.123	0.15	0.1	0.077	0.22	-	-	-	-	42	0.19	31
ACM150T	H 2350	0.145	0.136	0.129	0.105	0.054	-	-	-	-	48	0.21	35
ACM200	L 2160	0.181	0.175	0.17	0.156	0.14	0.113	-	-	-	125	0.7	48
	H 2390	0.225	0.218	0.211	0.197	0.185	0.167	0.138	-	-	152	0.8	55
ACM250	L 2150	0.193	0.177	0.159	0.119	0.067	0.045	-	-	-	81	0.45	50
	H 2670	0.277	0.228	0.216	0.197	0.171	0.142	0.108	0.079	-	140	0.65	57
ACM315	L 1960	0.398	0.365	0.329	0.263	0.178	0.140	0.101	0.065	-	180	0.75	58
	H 2555	0.517	0.499	0.482	0.444	0.408	0.373	0.329	0.277	0.178	300	1.25	62