

## Sunny Creek Garage.

### Proposed Conversion of Garage to a Thai Food Take-Away.

#### Design and Access Statement.

##### Overview.

We are seeking Planning Permission to convert the Garage at Sunny Creek to a Thai Take-Away.

Planning Permission was granted (at Committee ) for a Restaurant at the same address in 2009. Unfortunately within hours a local Estate Agent made representation about difficulties with access to an adjoining Flat resulting in the Permission being withdrawn by the Authority.

This new application is scaled down to the existing Garage Structure only with no extension and subsequently no infringement of access to the adjoining Flat.

We have been notified by the Authority of an offer of an extension to the permit to operate our Catering Van at the back of the Town Hall until the 31<sup>st</sup> March 2024 only. This offer has been declined as continuing outside the tourist season and into the Winter is not a viable proposition. The Authority has indicated quite clearly that work may start in the Spring / Summer of 2024 on the conversion of the Town Hall to a Museum/Cultural Centre and subsequently the use of the facility to trade will no longer be available.

##### Design and Scale.

We wish to have installed within the Garage the Gas Stove complete with Hood (refurbished) from the existing Catering Van or a complete new Gas Stove if required. It will also require a completely new Gas Pipe System with fittings along with an external Gas Bottle Storage Facility all installed by a suitably qualified Gas Installation Engineer and subsequently

fully certified by such.

In addition to the above we wish to have installed a completely new Kitchen Extraction System. This will all be in situ within the building. The only item of this visible externally will be new white pipe work to match the White Washed Wall to the front (Road) elevation finished with MVHR High efficiency Thermoduct Roof Terminal with a Roof Cowl/Cap.

### Noise and Impact.

The New Extraction System will comprise of a Commercial Vent-Axia Mixed Flow Fan (ACM200) positioned 0.5 Metre inside from the internal skin of the front (Road) elevation Wall. The Flow Fan unit will be fixed to the internal structure with 4 Anti-vibration Mounts along with Vibration Mounts to 200mm Alloy Ducting as and where required.

A Filter suitable for the Gas Cooker Hood will either be acquired as suitable or will be fabricated locally and subsequently installed on site.

All attempts will be undertaken to minimise Noise, Smell and Impact.

### Kitchen Extraction.

The proposed Internal Fan is the Vent-Axia ACM200 Mixed Flow Fan. The highest sound level of the units exit spigot (at high speed) is 73dB@500hz and 54dB@8khz and dB(A)@3M 54dB.

### Site Waste Management Plan.

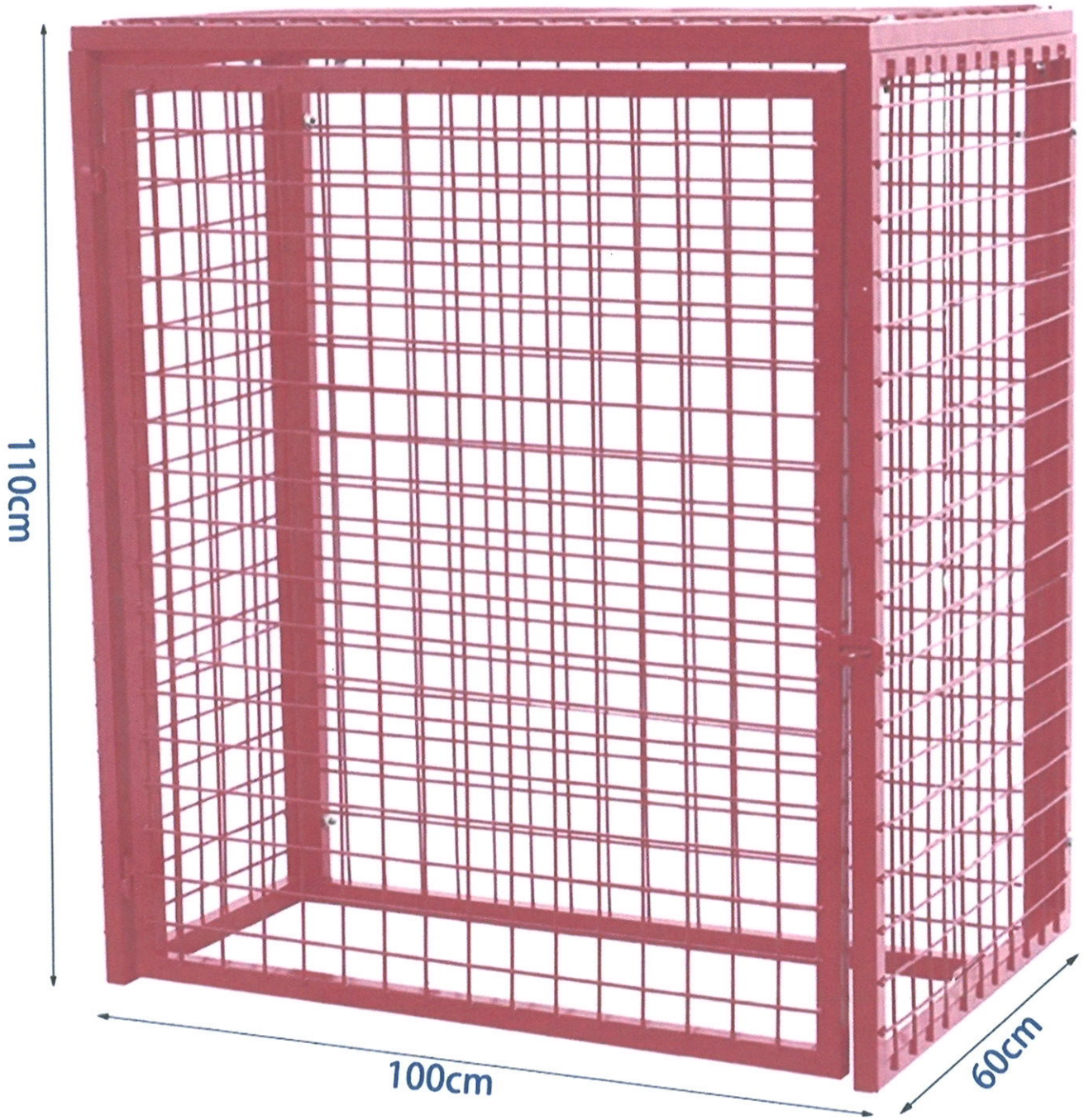
There will minimal waste from the work undertaken to complete. Any earth removed from the Garage Boundary will be used in the adjoining garden of Sunny Creek House. Any Stone or Rubble will be broken down and used also in the adjoining House. Any waste material not required on site but suitable for Recycling will be taken to the Waste and Recycling Facility at

Moorwell .

Following a meeting with Mr Mike Coates (Head of Regulatory Services) at the Garage / Kitchen ,Sunny Creek it was agreed that the Extraction System should discharge externally at Roof Ridge level as a minimum requirement as this is within a residential area and also would have minimal discharge /smell to the area with the prevailing South Westerly Air Flow at the higher elevation.

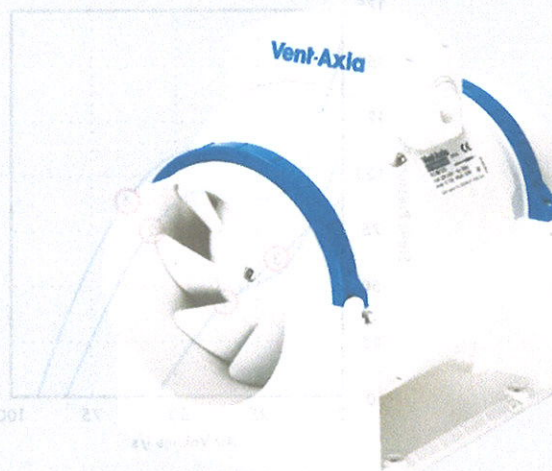
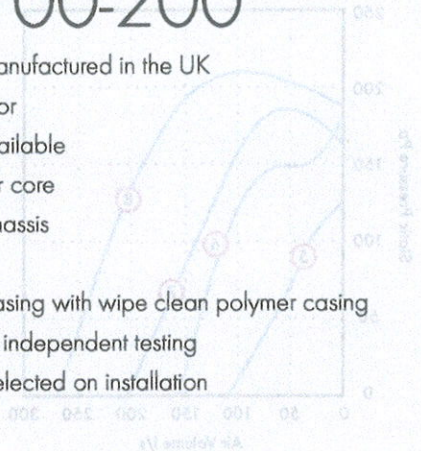
We have also been notified that a BS44142 Noise Assessment maybe required before the Extraction System is bought into use.

Mrs W Ellis.



# ACM 100-200

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



Model	Motor	Speed	Power (W)	Current (A)	Flow (m³/s)	Pressure (Pa)	Sound (dB)	Weight (kg)	Dimensions (mm)
ACM100	100	100	10	0.1	0.1	150	55	0.5	100x100x100
ACM100T	100	100	10	0.1	0.1	150	55	0.5	100x100x100
ACM125	125	125	15	0.15	0.15	180	60	0.6	125x125x125
ACM125T	125	125	15	0.15	0.15	180	60	0.6	125x125x125
ACM150	150	150	20	0.2	0.2	200	65	0.7	150x150x150
ACM150T	150	150	20	0.2	0.2	200	65	0.7	150x150x150
ACM200	200	200	30	0.3	0.3	250	70	0.8	200x200x200
ACM200T	200	200	30	0.3	0.3	250	70	0.8	200x200x200

## 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 is 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.

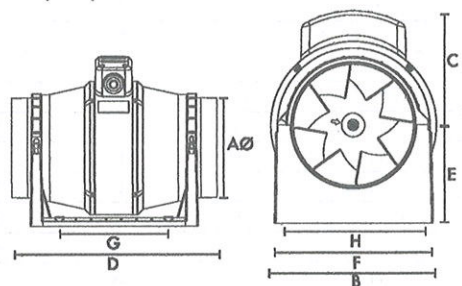
Stock Ref  
**400144**

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

## Models

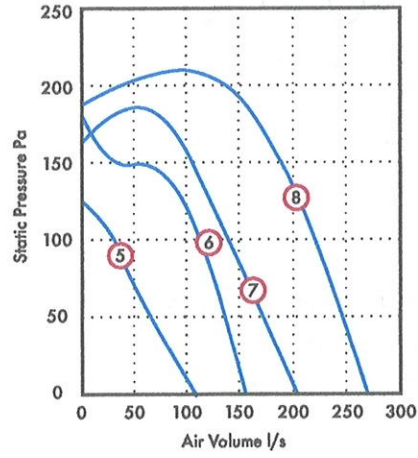
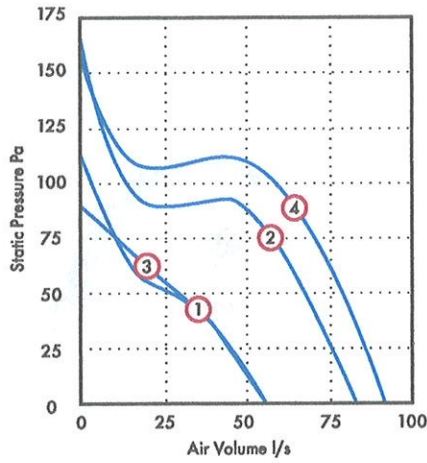
Model	Stock Ref
ACM100	<b>17104010</b>
ACM100T	<b>17104020</b>
ACM125	<b>17105010</b>
ACM125T	<b>17105020</b>
ACM150	<b>17106010</b>
ACM150T	<b>17106020</b>
ACM200	<b>17108010</b>
ACM200T	<b>17108020</b>

## Dimensions (mm)



Size	100	125	150	200
AØ	97	122	147	199.5
B	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 (fixing hole)	120	120	162	100
H (fixing hole)	153.5	153.5	178	180

## Performance Guide



Dia.	Motor Phase	Speed	r.p.m	IP Rating	Curve Ref.	0	50	100	150	200	Motor kW	F.L.C Amps	dB(A) @ 3m
100	1	Low	1580	IP44	1	55	28	-	-	-	0.02	0.09	16
100	1	High	2200	IP44	2	85	69	33	-	-	0.02	0.1	22
125	1	Low	1450	IP44	3	55	30	-	-	-	0.02	0.1	17
125	1	High	2400	IP44	4	92	79	60	-	-	0.03	0.12	24
150	1	Low	1645	IP44	5	105	65	31	-	-	0.04	0.17	29
150	1	High	2350	IP44	6	155	135	112	46	-	0.05	0.21	36
200	1	Low	1845	IP44	7	204	170	138	103	-	0.08	0.48	26
200	1	High	2350	IP44	8	270	247	220	188	134	0.11	0.55	41

\*Medium speed is not shown.

## Sound Data

Dia.	Spectrum	63	125	250	500	1k	2k	4k	8k	dB(A) @ 3m
100	Breakout High	32	36	41	39	37	37	28	22	22
100	Breakout Low	30	31	34	36	28	29	23	22	16
100	Inlet High	38	42	57	56	54	46	38	30	37
100	Inlet Low	35	40	49	49	47	37	28	24	30
100	Outlet High	36	41	52	52	53	44	37	28	34
100	Outlet Low	38	41	45	46	45	36	28	24	27
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
150	Breakout High	26	28	41	45	48	54	41	29	36
150	Breakout Low	21	29	45	49	43	44	32	22	29
150	Inlet High	40	49	59	63	59	63	55	47	46
150	Inlet Low	38	46	52	57	52	54	46	37	38
150	Outlet High	36	48	54	60	58	61	54	46	44
150	Outlet Low	33	45	49	54	54	52	45	36	37
200	Breakout High	38	53	47	47	56	60	44	33	41
200	Breakout Low	26	46	40	34	30	26	18	21	26
200	Inlet High	46	52	54	60	61	63	60	49	47
200	Inlet Low	38	37	40	41	39	35	24	23	22
200	Outlet High	63	68	69	73	70	69	62	54	54
200	Outlet Low	53	54	52	52	48	47	39	28	33