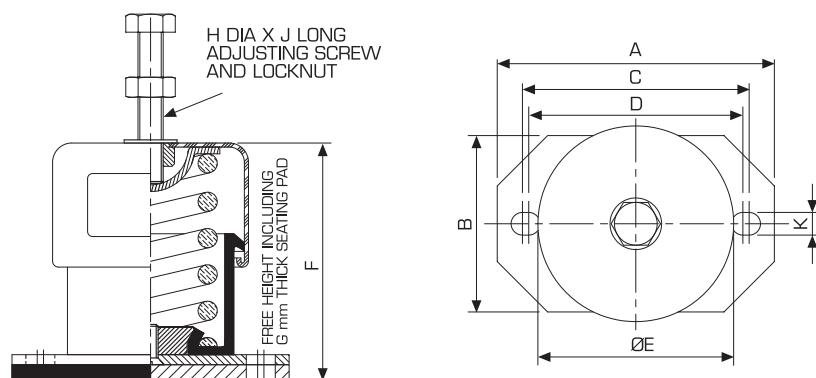


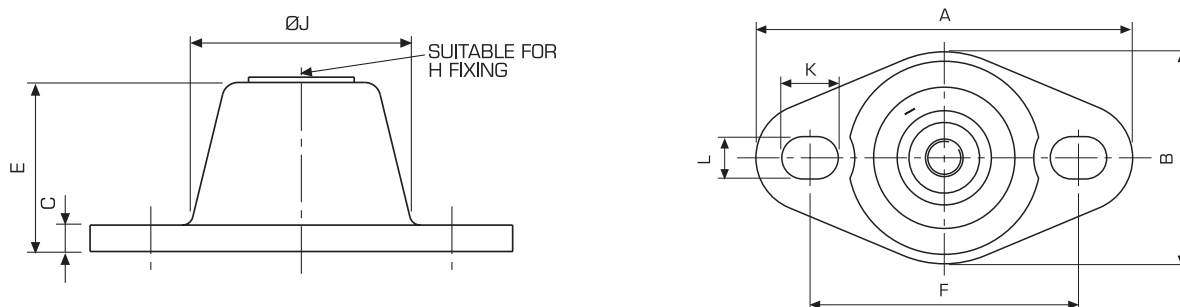
Enclosed Spring Vibration Isolators



Type	Load range per mounting (kg)	Product Number	A	B	C	D	E	F	G	H	J	K
ES20/10/ZSB Purple	10	503008	76	38	60	54	48	66	3	M8	40	6.5
ES20/15/ZSB Yellow	15	503009	76	38	60	54	48	66	3	M8	40	6.5
ES20/20/ZSB Grey	20	503010	76	38	60	54	48	66	3	M8	40	6.5
ES25/60/7SB Green	60	503015	110	70	90	85	78	94	6	M10	60	9
ES25/100/ZSB Blue	100	503016	110	70	90	85	78	94	6	M10	60	9

All dimensions shown in mm

Rubber in Shear Vibration Isolators

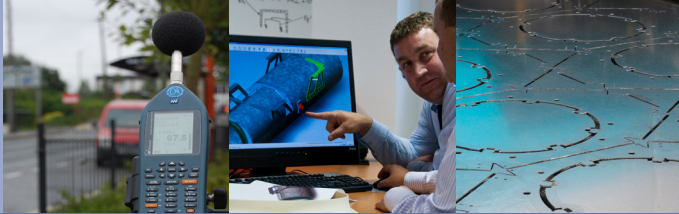


Note: These vibration isolators are not suitable for use with JM Aerofoil HT category 300/1 and 400/2 series smoke venting fans - please use spring isolators.

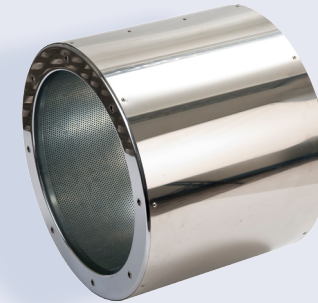
Type	Load range per mounting (kg)	Product Number	A	B	C	E	F	H	J	K	L
63.105.40	0-4	267321	64	43	2	20	50	M6	-	-	-
63.105.60	0-9	267322	64	43	2	20	50	M6	-	-	-
19.100.Yellow	5-28	267336	80	45	5	32	57	M8	41	12	9
19.100.Blue	9-50	267337	80	45	5	32	57	M8	41	12	9
19.101.Blue	23-180	267345	95	60	5	45	71	M10	56	14	9
19.101.Red	35-280	267346	95	60	5	45	71	M10	56	14	9
19.102.Red	48-400	267352	150	86	6	70	115	M12	82	22	11

All dimensions shown in mm

Bold text denotes next day delivery available if ordered by 4pm.



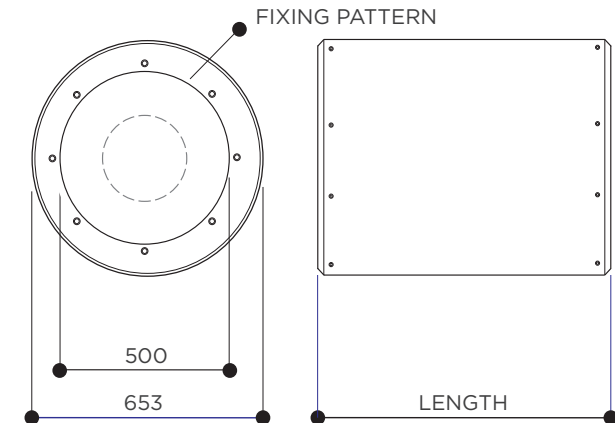
CP03-C-0500



500 DIA FAN MOUNTED SILENCER

Available in two standard lengths C Series Silencers have excellent attenuation properties, achieved with sound absorbing infill retained in the attenuator casing by a perforated liner. The central pod (code P) is an option to increase the insertion loss, however it will add resistance.

- Fits directly onto 500mm diameter fans
- Standard lengths 500mm (1D) & 1000mm (2D)
- Use up to 70°C (standard construction)
- Systems up to 1000 Pascals
- Special lengths on request



INSERTION LOSS (dB) - CENTRE BAND FREQUENCY

PRODUCT CODE	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
CP03-C*-0500-1D	2	3	6	14	14	12	10	5
CP03-C*-0500-2D	3	7	8	19	20	17	14	11
CP03-C*P-0500-1D	2	7	9	17	24	24	20	16
CP03-C*P-0500-2D	4	10	16	26	29	29	29	20

Insertion loss data is derived from continual testing to BS4718 and other standards in independent UKAS certified laboratories, which includes where appropriate, re-generated or self noise testing in both forward and reverse flow conditions. If you request system analysis from our technicians all predictions will be assessed using the relevant certified insertion loss data together with relevant dynamic corrections.

DIMENSIONAL DATA

CODE	LENGTH	FIXING PATTERN	MASS
CP03-CA-0500-1D	500mm	12 x M10-560 PCD	18 Kg
CP03-CA-0500-2D	1000mm	12 x M10-560 PCD	32 Kg
CP03-CAP-0500-1D	500mm	12 x M10-560 PCD	22 Kg
CP03-CAP-0500-2D	1000mm	12 x M10-560 PCD	37 Kg
CP03-CB-0500-1D	500mm	12 x M8 - 541 PCD	18 Kg
CP03-CB-0500-2D	1000mm	12 x M8 - 541 PCD	32 Kg
CP03-CBP-0500-1D	500mm	12 x M8 - 541 PCD	22 Kg
CP03-CBP-0500-2D	1000mm	12 x M8 - 541 PCD	37 Kg

MATERIAL & FINISH

All casings are manufactured from mill finish hot dip galvanised mild steel conforming to EN10327 (BS2989) including the flow formed one piece end fittings. To prevent erosion of absorbing materials the C Series Silencers are fitted with a perforated liner manufactured from galvanised mild steel conforming to EN10327 (BS2989). The C Series Silencers utilise acoustic grade mineral fibre absorbing infill and are manufactured to the HVCA specification DW144 class B and M&E 100 for sheet steel thickness and stiffening.

Pressure	Up to 1000 Pascals positive and negative.
Temperature	-12° to +70° C.
Location	Internally & externally mountable.

MELINEX LINING (OPTIONAL)

Where moist conditions exist (e.g. process systems) or for critically clean applications (e.g. hospitals) the sound absorbing material may be required to be fully sealed by Melinex lining to prevent fibre migration. This will however, effect the acoustic performance of the silencer. Please contact us to discuss your requirements.

ALTERNATE SPECIFICATION

The above specification refers to our standard stock range. We can also supply custom made C Series Silencers with alternative dimensions, temperature ratings, construction materials and product finishes. Please contact us for further information and advice.

PRODUCT CODE GUIDE

Example: **CP03-CAP-0500-2D**

CP03	Product Group Code
CA	Drilling Pattern CA for A or CB for B
0500	Internal Diameter
2D	Length code 1D = 500, 2D = 1000

RESISTANCE TO AIRFLOW (Pa)

AIR VOLUME M³/s	0.5	0.6	0.8	1.0	1.3
CP03-C*-0500-1D	-	-	-	-	-
CP03-C*-0500-2D	-	-	-	-	-
CP03-C*P-0500-1D	10	24	40	80	120
CP03-C*P-0500-2D	21	36	61	124	188

- represents a negligible resistance to airflow that can be assumed to be equivalent to a duct section of the same length.

INSTALLATION

For recommendations for the support of the silencer the principles of Part Six (pages 43-46) of the HVCA DW144 standard should be followed. It is important that the recommendations in the table are adhered to when locating the silencer in relation to other duct-mounted equipment. If the silencers are to be used in conjunction with equipment not listed please enquire for advice.

ITEM	LOCATION
Centrifugal Fans	Direct couple only at the same size; use an inlet cone if open after silencer. PODDED - position one duct diameter from fan inlet / outlet.
Axial Fans	Direct couple only at the same size. Use an inlet cone if open after silencer. PODDED - match hub size within 30% of half nominal diameter.
Mixed-Flow Fans	Direct couple only at the same size. Use an inlet cone if open after silencer.
Ductwork Bends	Direct couple only at the same size. PODDED - position two duct diameters from bend.
Ductwork Reducers	Direct couple only with reducers of maximum 15° cheek slope.
Finned Coils & Filters	Leave 200mm plenum between silencer and coil or filter, and suitable reducer as specified in HVCA DW/144 1998.

MAINTENANCE

Silencers are of a passive nature and as such require no routine maintenance or lubrication.

INSPECTION

For inspection access the recommendations set out in Heating & Ventilating Contractors Association specification DW144 1998, appendix M – Guidance Notes for Inspection, Servicing and Cleaning Access Openings, should be followed. We would suggest Level 2 one 300mm x 200mm-inspection panel down-stream or Level 3 one 300mm x 200mm inspection door each side of the silencer. Refer to table 25 of DW144 or Section 2 of HVCA specification TR17 for further recommendations.

It is our recommendation that the silencers are inspected periodically to ensure that the airways are free from obstructions and no dust or foreign matter has collected and blocked the holes in the perforated liner elements.

CLEANING

Should airways require routine cleaning we recommend low-pressure air blasting, vacuuming or wiping the exposed surfaces with a damp cloth. It is not unusual for “White Zinc Oxide” to develop on galvanised silencers when the zinc in the galvanising reacts electrolytically with moisture.



Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	: Wednesday, March 22, 2023

Fan Code	50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size	500 Size / mm
Blades	5
Fan Speed	1380 rpm
Velocity	12.8 m/s
Blade Angle	42-36
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long

Requested Duty	2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure	98 Pa

Duty Shaft Power	1.61 kW
Max Shaft Power	0.970 kW
Total Efficiency	73.9 %

Motor Frame	CT9 [Class F]
Motor Rating	1.94 kW
Full Load Current	13.8 A
Starting Current	27 A
Motor Mounting	Pad
Electrical Supply	220-240 Volts 50 Hz 1 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All

ErP [FMEG] Rating	N 58 (ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	42° [42° - 42°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	54.2% (2.55 m³/s @ 467 Pa)
Motor Input Power (ErP)	2.20 kW

SFP value	0.77 W/(l/s) @ Requested Duty
Power from mains	1.94 kW
Energy Consumption	5820 kWh (3000 h/year)
Running Cost / Year	£698

Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EQ511467

Performance data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with ISO 5801 and is specifically applicable for Ducted installations. When an electronic controller is incorporated, enhanced motor noise can occur - particularly when the operating speed is well below maximum. FWL therefore recommend using an auto transformer speed controller for noise sensitive applications. Bifurcateds are Erp exempt when used continuously at >100C. They are not for use in the EEA at lower temperatures.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 / BS EN ISO 5136 under Ducted conditions. The single figure provided is the overall Inlet sound pressure level at the specified distance, under spherical, free field conditions.

Acoustic figures for adjusted running speeds have been interpolated and are for reference only.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request. Our lead times will be re-confirmed on receipt of manufacturing release and may be subject to change.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	92	95	99	94	89	84	75	68	102	75
Outlet*	94	98	101	95	90	86	78	71	104	76
Breakout*	87	83	82	75	68	61	59	50	90	57

* Lw dB re 10⁻¹² W

** dBA re 2x10⁻⁵ Pa

Sound data at requested duty.

Description	Qty	Nett Unit Price	Price
Fan EQ511467 - 50-1 MaXfan2/16/4/5/42/36	1	enquire	enquire
Accessories Thermostat	1	enquire	enquire
Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
Optional Accessories			
 Mounting Feet [897727]		 Matching Flange [74914]	
 Rubber AV Mounts [AS035471]		 Flexible Connector [AS040500]	



Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference: :

Project Code :
Customer :
Date: : Wednesday, March 22, 2023

Fan Code 50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size 500 Size / mm
Blades 5
Fan Speed 1380 rpm
Velocity 12.8 m/s
Blade Angle 42-36
Installation Type / Form of Running D / AB (Vertical)
Fan Casing Long

Requested Duty 2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure 98 Pa

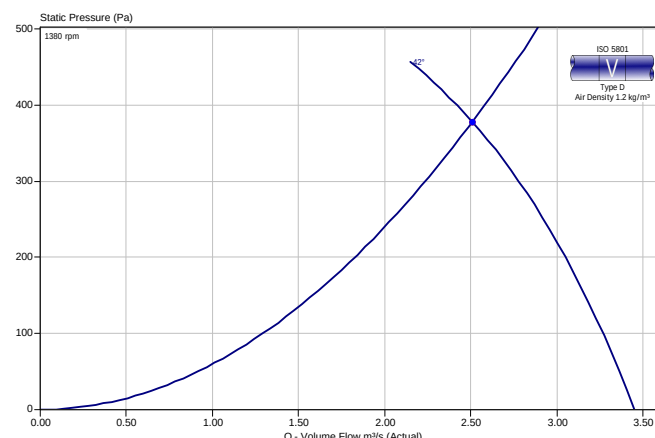
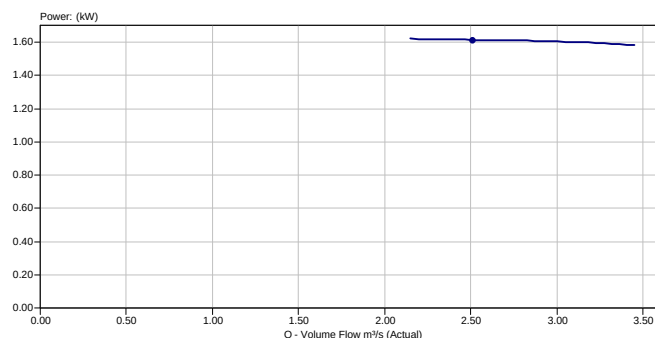
Duty Shaft Power 1.61 kW
Max Shaft Power 0.970 kW
Total Efficiency 73.9 %

Motor Frame CT9 [Class F]
Motor Rating 1.94 kW
Full Load Current 13.8 A
Starting Current 27 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 Phase
Start Type DOL
Motor Winding Standard
Enclosure Standard All

ErP [FMEG] Rating N 58 (ErP Compliant)
ErP [FMEG] Target N 58
FMEG Blade Angle [Range] 42° [42° - 42°]
Measurement Category D (Total)
VSD N
Fan + Motor Efficiency 54.2% (2.55 m³/s @ 467 Pa)
Motor Input Power (ErP) 2.20 kW

SFP value 0.77 W/(l/s) @ Requested Duty
Power from mains 1.94 kW
Energy Consumption 5820 kWh (3000 h/year)
Running Cost / Year £698

Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting Non Smoke Venting
Product Number EQ511467



	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	92	95	99	94	89	84	75	68	102	75
Outlet*	94	98	101	95	90	86	78	71	104	76
Breakout*	87	83	82	75	68	61	59	50	90	57

* Lw dB re 10⁻¹² W
** dBA re 2x10⁻⁵ Pa
Sound data at requested duty.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request. Our lead times

Description	Qty	Nett Unit Price	Price
Fan EQ511467 - 50-1 MaXfan2/16/4/5/42/36	1	enquire	enquire
Accessories Thermostat	1	enquire	enquire
Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
Optional Accessories			
Mounting Feet [897727] Matching Flange [74914] Rubber AV Mounts [AS035471] Flexible Connector [AS040500]			



Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference: :

Project Code :
Customer :
Date: : Wednesday, March 22, 2023

Fan Code 50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size 500 Size / mm
Blades 5
Fan Speed 1380 rpm
Velocity 12.8 m/s
Blade Angle 42-36
Installation Type / Form of Running D / AB (Vertical)
Fan Casing Long

Requested Duty 2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure 98 Pa

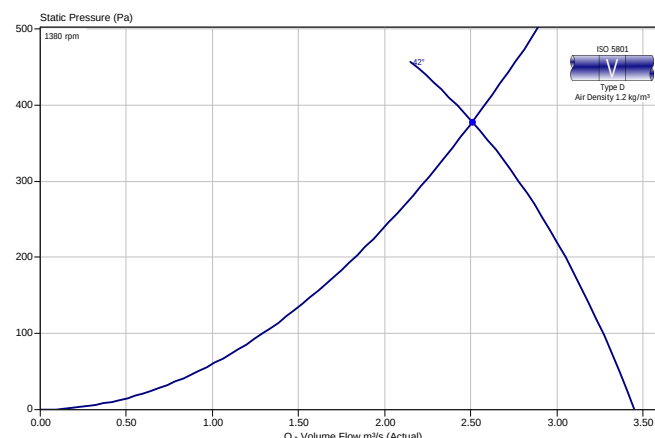
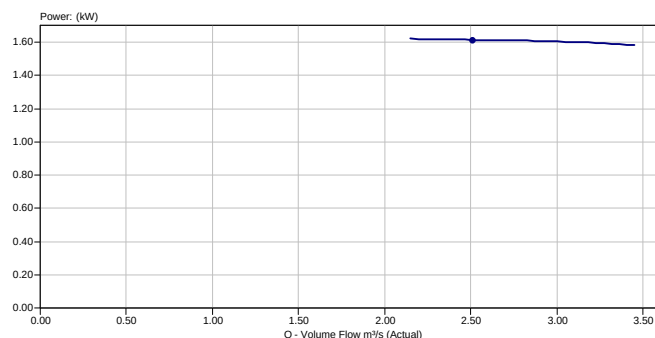
Duty Shaft Power 1.61 kW
Max Shaft Power 0.970 kW
Total Efficiency 73.9 %

Motor Frame CT9 [Class F]
Motor Rating 1.94 kW
Full Load Current 13.8 A
Starting Current 27 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 Phase
Start Type DOL
Motor Winding Standard
Enclosure Standard All

ErP [FMEG] Rating N 58 (ErP Compliant)
ErP [FMEG] Target N 58
FMEG Blade Angle [Range] 42° [42° - 42°]
Measurement Category D (Total)
VSD N
Fan + Motor Efficiency 54.2% (2.55 m³/s @ 467 Pa)
Motor Input Power (ErP) 2.20 kW

SFP value 0.77 W/(l/s) @ Requested Duty
Power from mains 1.94 kW
Energy Consumption 5820 kWh (3000 h/year)
Running Cost / Year £698

Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting Non Smoke Venting
Product Number EQ511467



	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	92	95	99	94	89	84	75	68	102	75
Outlet*	94	98	101	95	90	86	78	71	104	76
Breakout*	87	83	82	75	68	61	59	50	90	57

* Lw dB re 10⁻¹² W
** dBA re 2x10⁻⁵ Pa
Sound data at requested duty.

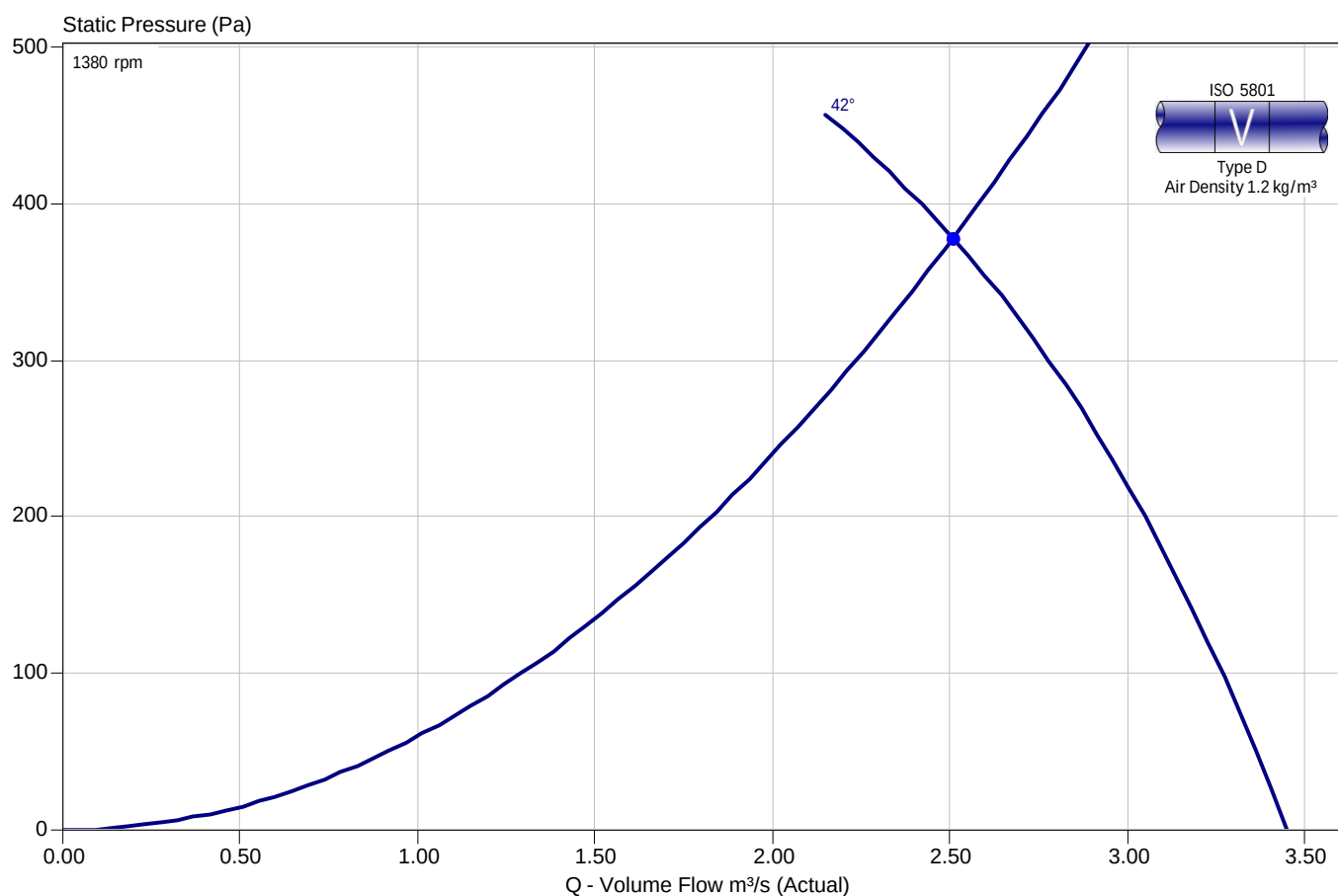
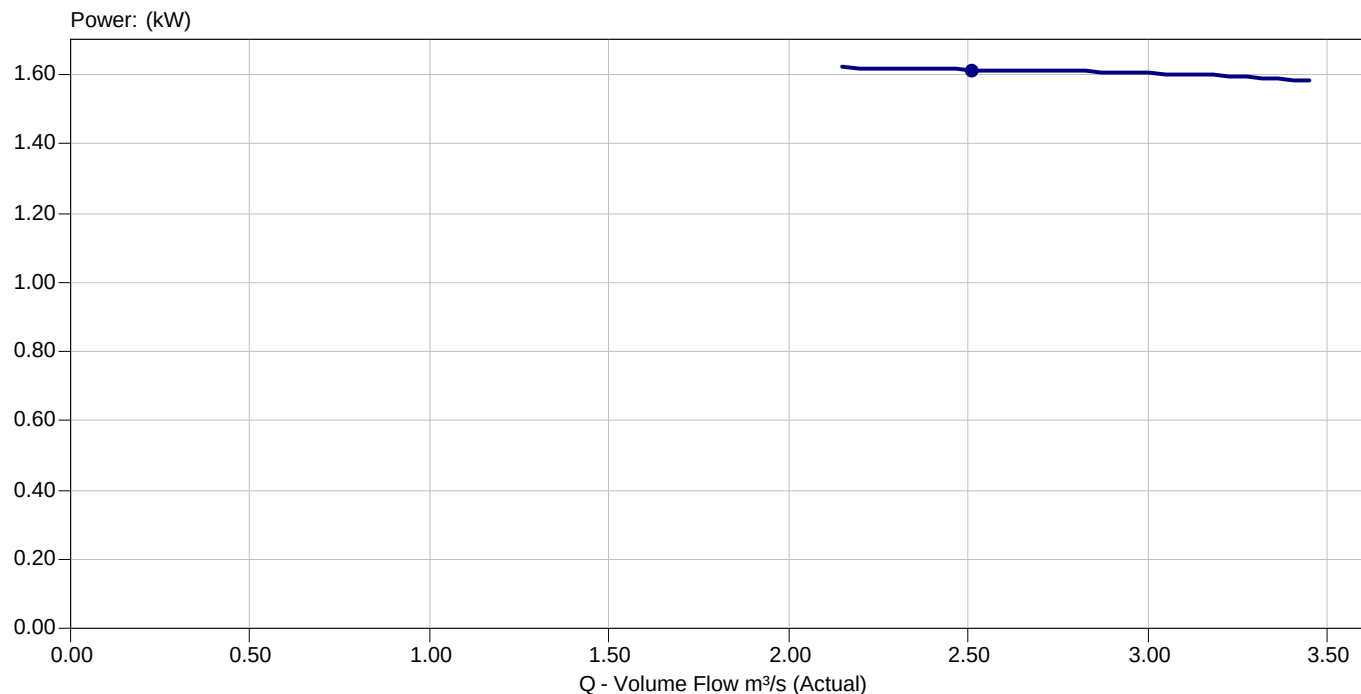
will be re-confirmed on receipt of manufacturing release and may be subject to change.

Description	Qty	Nett Unit Price	Price
Fan EQ511467 - 50-1 MaXfan2/16/4/5/42/36	1	enquire	enquire
Accessories Thermostat	1	enquire	enquire
Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
Optional Accessories			
Mounting Feet [897727] Matching Flange [74914] Rubber AV Mounts [AS035471] Flexible Connector [AS040500]			



Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference: :

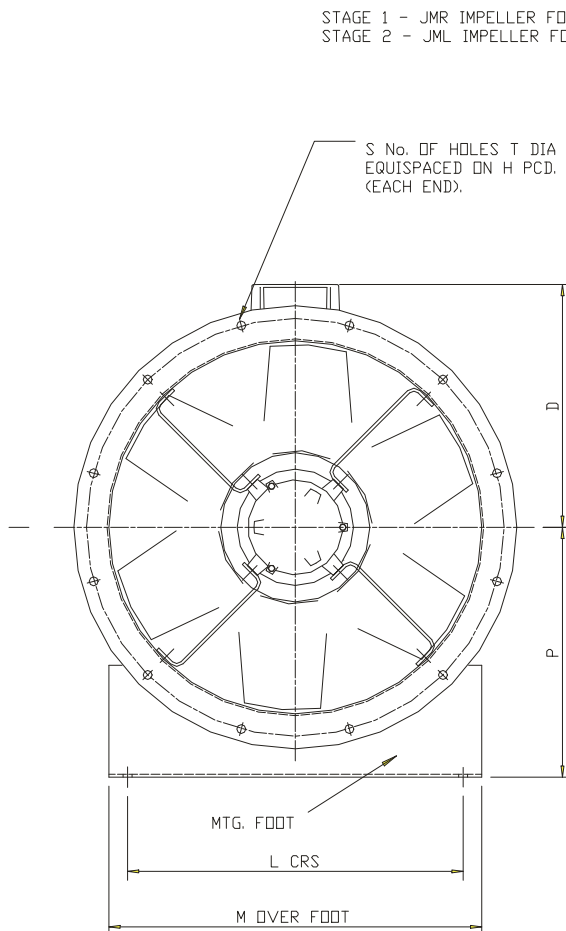
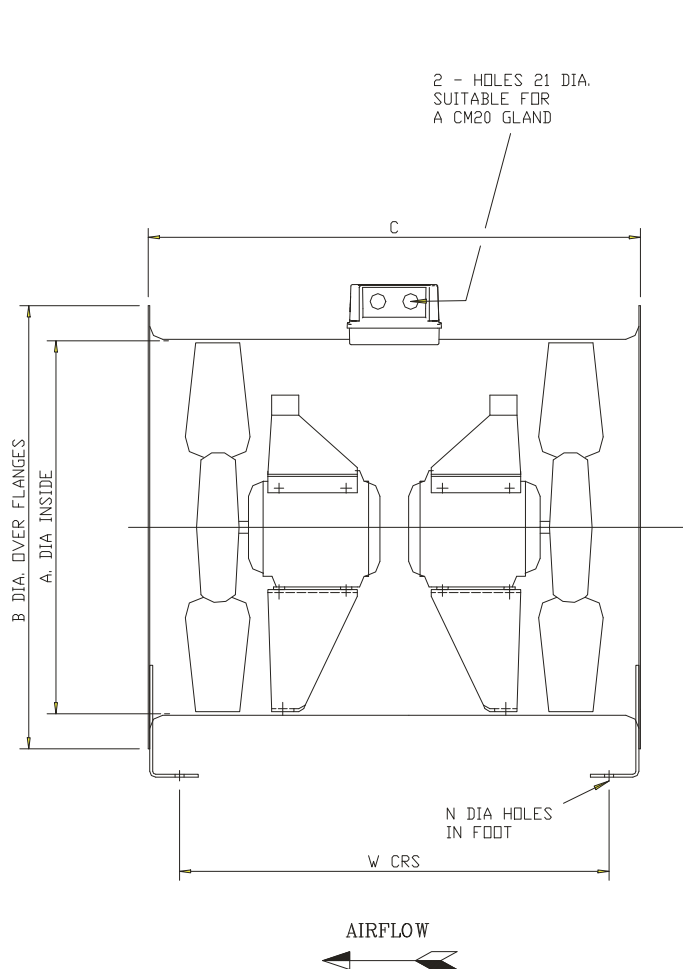
Project Code :
Customer :
Date: : Wednesday, March 22, 2023
Fan Code : 50-1 MaXfan2/16/4/5/42/36





Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference :

Fan Code : 50-1 MaXfan2/16/4/5/42/36
Customer :
Date: : Wednesday, March 22, 2023



A	500
B	594
C	710
D	338
H	560
L	450
M	500
N	10
P	315
S	12
T	12
W	620
Weight	57

Notes : Dimensions shown in mm / Weight in kg

Reference :Catalogue drawing

This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

ME – ELECTRONIC SINGLE PHASE

CLASSIC DRIVE

FEATURES

- Infinitely variable fan speed control offers flexibility
- Illuminated on/off switch gives visual status
- Supply: 230 VAC, 50/60 Hz, 1 Phase
- IP44 ingress protection
- Two and Three wire control
- Max ambient temperature: 50°C

DESCRIPTION

Our Classic ME series drive provide speed control for single phase, 230 VAC, 50/60 Hz voltage controllable electric motors.

Available in 1, 3, 6, 10, 12 and 16 Amp units they have an illuminated on/off switch and infinitely variable control between minimum and maximum speeds.

RANGE

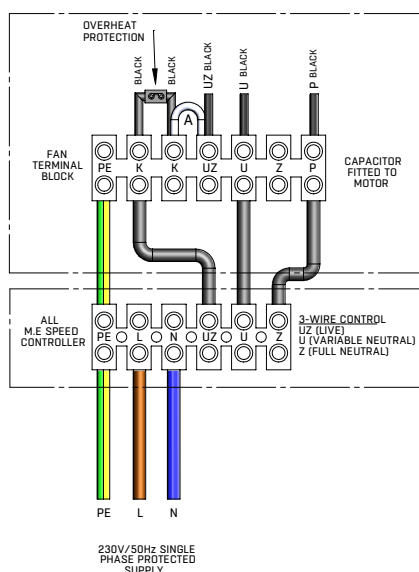
To ensure correct drive selection, please choose a drive that has an amp rating that is equal to or above the fan motor full load current (FLC).

Model	ME1.1	ME1.3	ME1.6	ME1.10	ME1.12	ME1.16
Part	410289	410290	410291	410323	414855	SL400073
Current rating (A)	1	3	6	10	12	16
Ingress Protection	IP44	IP44	IP44	IP44	IP44	IP44

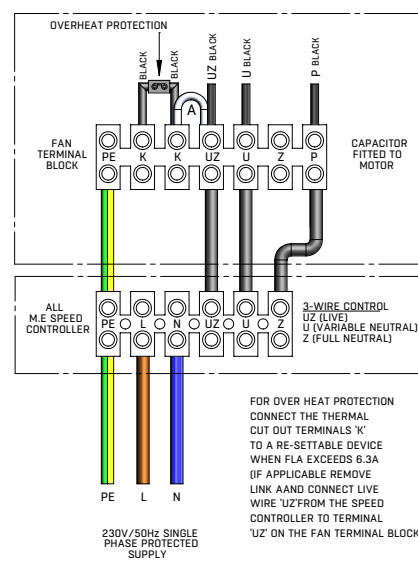


WIRING DIAGRAMS

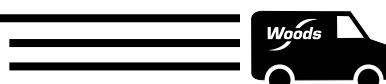
315-500 JM 1 PHASE (WITH ME SPEED CONTROLLER)



560-630 JM 1 PHASE (WITH ME SPEED CONTROLLER)

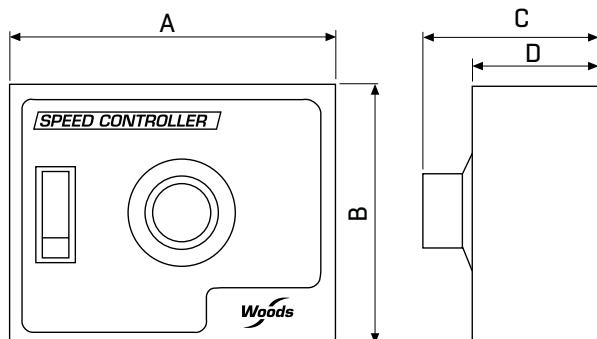


Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 555.





DIMENSIONS AND WEIGHTS



Model	Product Number	A	B	C	D
ME1.1	410289	104	83	55	40
ME1.3	410290	148	87	62	47
ME1.6	410291	148	87	62	47
ME1.10	410323	170	150	70	55
ME1.12	414855	210	180	81	65
ME1.16	SL400073	210	180	81	65

COMPATIBILITY

Our ME Speed controller is suitable for use with single phase voltage controllable motors.

MOUNTING AND CONNECTION

Our controllers are suitable for mounting onto a smooth surface (wall). Connect voltage supply, motor(s) and earth as shown within the wiring diagram, using cables of the proper diameter.

ISOLATION AND ISOLATION AND WIRING (SEE DIAGRAM ON PREVIOUS PAGE)

A safety isolator/disconnect switch should be installed on the mains electricity side of all motor drives; Please refer to SISO product.

We recommend three wire control for increased speed stability and low speed starting.

MOTOR PROTECTION

If motors are fitted with thermostat (Tk) overheat protection, we recommend the use of our EEDS controller type instead of our ME product.

TRANSPORT AND STOCK KEEPING

Avoid shocks. Stock in original packing. Avoid extreme conditions.

WARRANTY

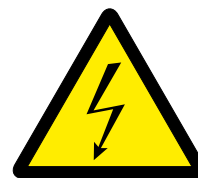
Any modifications or alterations to the product relieve the manufacturer of all responsibility. The manufacturer bears no responsibility for any misprints or mistakes in this data, and modifications or improvements to the product can be made at any time after date of publication.

MAINTENANCE

In normal conditions our controllers are maintenance-free. If external surfaces requires light cleaning, please use a dry or slightly damp cloth. If heavy cleaning is needed, then we recommend the use of a non-aggressive cleaning product. Particular attention should be paid to ensure that no fluids enter the controller. Only reconnect the controller to the mains electrical supply when it is completely dry.



General danger



Electrical hazard

All works may only be carried out by skilled personnel following the local regulations and AFTER the controller is completely isolated from the mains. Replace fuse only with same type and rating.

ALSO AVAILABLE FROM THE **WOODS** RANGE



**JMv
Aerofoil**



MaXfan²



**JM
Aerofoil**



**HT JM
Aerofoil**



**JM
Bifurcated**



Series 33



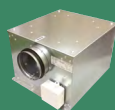
Plate Fans



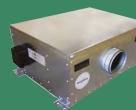
**Cased &
Plate Axial
Accessories**



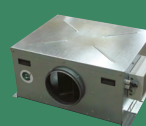
Tube Fans



**Sabina EC
Box Fans**



**Daisho AC
Box Fans**



**Daisho EC
Box Fans**



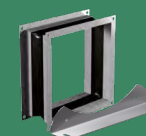
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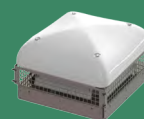
Estoc Targe



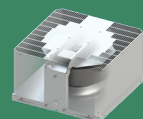
Estoc EC



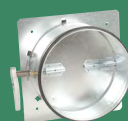
**Tube & Box
Accessories**



**Roof Units
Horizontal**



**Roof Units
Vertical**



**Fire
Dampers**



**Iris
Dampers**



Fire Valves



**Valves
Supply KE**



**Valves
Extract KK**



**Valves
Exhaust
VEFS**



**Nozzles DK
& DR**



**Louvres/
Cowls
EYMA and
DYMA**



**External
Louvres
USAV**



Controllers

Selected products available from our UK Distributors on next day delivery, if ordered by 4pm. Please call 01206 222 555 for more information.



AIRCLEAN

YOUR AIR FILTER MANUFACTURER

**P.O. BOX 147,
MAIDSTONE, ME14 2LA.**

**TEL:01622 832777
FAX:01622 832507**

sales@airclean.co.uk www.airclean.co.uk

Pleated Panel Filters

Applications

The Pleated Panel is a medium efficiency disposable filter, suitable for ventilation and air conditioning systems which require a higher efficiency and greater dust holding capacity than can be achieved with glass or synthetic panels.

The Pleated Panel can be used where glass panels are undesirable, such as in the food industry and hospitals.

Construction

Pleated filters consist of a dry non-woven fabric media, pleated to give an extended surface area, producing a low initial resistance for the same air volume.

The pleated assembly is contained within either a rigid all cardboard casing, or a cardboard frame with perforated cap-punch retaining grids.



Technical

Filter Classification:

Grade G4 to EN779.

Pleated Material Flamability :

Fire Resistant to :-

Underwriters Laboratories

Standard 900 class 2

Maximum operating temperature:

100°C (212°F)

Dust Holding Capacity:

840 g/m² (2") and 1260 g/m² (4") to EN779

Resistance to Airflow

Face Velocity										
m/s fpm	1.25 250		1.50 300		2.0 400		2.5 500		3.0 600	
Pressure Drop	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
2" Panel	22	0.09	27	0.11	50	0.20	70	0.28	-	-
1" Panel	25	0.10	30	0.12	55	0.22	75	0.30	87	0.35

Recommended discard resistance is 125 Pa (0.5"wg) in excess of clean resistances shown above for a 2" panel and 150 Pa (0.6"wg) for 4" panel.

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Capacity Chart (2" Pleated Panels)

Data based on Face Velocity of 2.5 m/s (500 fpm)

SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m ³ /s
10 x 10	242 x 242	0.14
12 x 12	289 x 289	0.20
15 x 15	369 x 369	0.33
18 x 18	445 x 445	0.48
20 x 10	495 x 242	0.29
20 x 16	495 x 394	0.48
20 x 20	495 x 495	0.60
25 x 16	620 x 394	0.60
25 x 20	620 x 495	0.76
24 x 12	594 x 289	0.43
24 x 20	594 x 495	0.73
24 x 24	594 x 594	0.88

Actual Face Size = Nominal Size less 6mm (0.25")

Capacity Chart (4" Pleated Panels)

Data based on Face Velocity of 3.0 m/s (600 fpm)

SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m ³ /s
10 x 10	242 x 242	0.18
12 x 12	289 x 289	0.25
15 x 15	369 x 369	0.41
18 x 18	445 x 445	0.60
20 x 10	495 x 242	0.36
20 x 16	495 x 394	0.58
20 x 20	495 x 495	0.73
25 x 16	620 x 394	0.72
25 x 20	620 x 495	0.91
24 x 12	594 x 289	0.51
24 x 20	594 x 495	0.87
24 x 24	594 x 594	1.05

Holding Frames and Casings

Holding frames and casings for Disposable Pleated Panels are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications. See leaflets (code AC8) for full technical information.

Code AC1/3b Ref 06/11

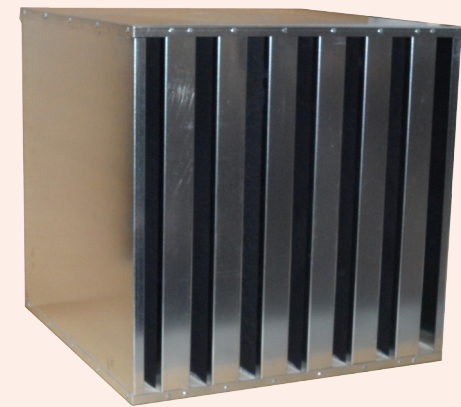
Sitesafe Carbon Filters

We manufacture Sitesafe carbon filters, these innovative carbon units measure 594x196x597mm, three combining to 594x594x597mm, directly replacing our original carbon blocks whilst providing exactly the same filter performance as an existing full size cell.

Their advantage is that they only weigh 18kg each against the 68kg of our original blocks. This takes the strain out of fitting and servicing, allowing only one engineer to complete the task where two had been previously required.

Our Sitesafe carbon filters use panels of activated carbon to remove the malodorous gases within the commercial kitchen extract duct through the process of chemical adsorption. By installing our ESP units before our Sitesafe filters, the carbon life span is greatly increased, allowing it to nullify malodours at optimum efficiency for much longer.

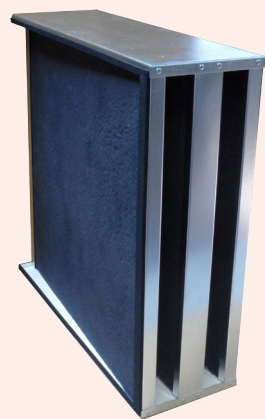
Will require two people plus lifting gear to carry and install.



Carbon PA242424

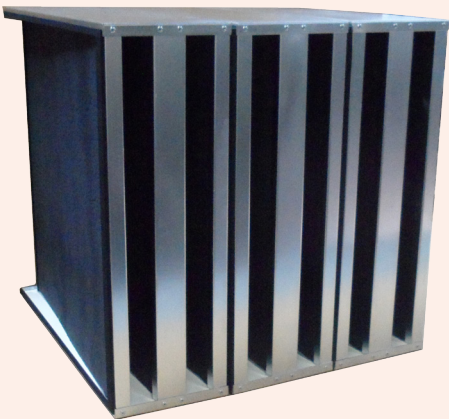
Size 594x594x597
Gross Weight 68.20kg
Carbon Weight 50.00kg
Rated Airflow 3600m³/hr*
Pressure Drop 120Pa

Safe for one person to carry. No special lifting gear required.



Sitesafe PA240824

Size 594x196x597
Gross Weight 17.95kg
Carbon Weight 16.6kg
Rated Airflow 1200m³/hr*
Pressure Drop 120Pa



Sitesafe 3 x PA240824

Size 594x594x597
Gross Weight 53.85kg
Carbon Weight 50.00kg
Rated Airflow 3600m³/hr*
Pressure Drop 120Pa



Please see below for the recommended minimum dwell times required for different applications and scale up accordingly.

It should be noted that filtration performance will be improved by increasing the dwell times applied.

Application	Recommended Dwell Time	Grade
Cooking - Low Odour, Tea Shop, Canteens	0.1 to 0.2 Seconds	Carbon grade Enhanced for improved performance for light catering odours
Cooking - Moderate Odour. Pizza, Steak House, French, Italian, Pubs, Chinese, Japanese, Cantonese	0.2 to 0.4 Seconds	Enhanced Carbon grade suitable for many applications 65% Minimum CTC
Cooking High Odour, Indian, Thai, Vietnamese, Kebab	0.4-0.6 Seconds	Enhanced Carbon grade suitable for many applications 65% Minimum CTC
Cooking Very High Odour. Fried Chicken, Pubs with large fried food turnover, Fish and Chip Shops, Fast Food / Burgers	0.4-0.8 Seconds	Enhanced Carbon grade suitable for many applications 65% Minimum CTC
Reduction of Kerosene Exhaust fumes	0.1 to 0.2 Seconds	General Purpose Activated Carbon
Reduction of Ozone	0.1 to 0.2 Seconds	General Purpose Activated Carbon
Reduction of Diesel Fumes, including H ₂ S, SO ₂ , NO _x , HCl	0.2 Seconds	Carbon Museum,Archive, Café Directive: SO ₂ SO _x NO ₂ NO _x Removal
Museum and Archives	0.2 Seconds	Carbon Museum,Archive, Café Directive: SO ₂ SO _x NO ₂ NO _x Removal

The cooking odour classes above are as classified by DEFRA in **Guidance on the Control of Odour and Noise from Commercial Kitchen Exhaust Systems, PB10527**