

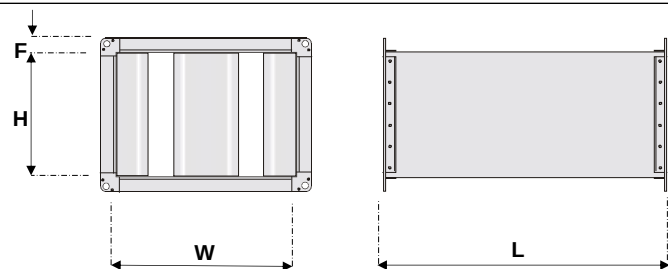
To Attention Project Title Quote Ref. Date Prepared by Page				Systemair Mike Jenkins 0 Q10870 07/02/2022 Bradley Taylor 1 of 1		Technical Data This quotation is valid for acceptance for 30 days and is subject to Acoustica Products Limited terms and conditions of sale. The products described below have parameters of recommended use and may be required to be positioned in certain configurations in relation to other equipment. Detailed specifications and Installation & Maintenance instructions are available on request, if in doubt we will be pleased to furnish the relevant data.				 2 Condor Way, Whitehall Industrial Estate Essex, CO2 8JN Tel 01206 848245 Fax 01206 700234 Email Btaylor@acoustica.co			
Reference	Model	Air Flow Vol. m³/s	Pressure Drop (Pa)	Weight	Melinex	Static Insertion Loss (dB) at Octave Band Centre Frequency							
						63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
ATT01	R02 4-1500	1.400	22	86 kg	Yes	7	14	20	29	29	31	29	25
ATT02	R02 5-1200	1.310	28	46 kg	No	5	9	18	32	40	39	28	19

Notes
 In order to achieve optimum performance, the ideal location of attenuators is inside the plantroom, adjacent to the penetration of the plant room structure. This ensures that noise breaking into the duct between the fan and the penetration is attenuated and also those noise levels in the ductwork outside the plantroom are at a minimum so that noise breakout is controlled. Where fans are not situated within a plantroom, attenuators should be fitted as close to the fan as possible, whilst allowing a suitable plenum space, in order to minimise noise breakout from the ductwork.

*Full Technical Analysis
 Available - Please Enquire*

To
Attention
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Quote Ref.
Date
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Page

Systemair
Mike Jenkins
0
Q10870
07/02/2022
Bradley Taylor
1 of 1



2 Condor Way, Whitehall Industrial Estate
Essex, CO2 8JN
Tel 01206 848245
Fax 01206 700234
Email Btaylor@acoustica.co

Reference	Model	Width (W)	Height (H)	Length (L)	Flange (F)	Bend	Melinex	Weight Each	Quantity	Notes
ATT01	R02 4	720mm	720mm	1500mm	No	No	Yes	86 kg	1	
ATT02	R02 5	590mm	590mm	1200mm	20mm	No	No	46 kg	1	

Notes

Silencers with dimensions over 1,500mm wide, 900mm high, 1500mm long may be manufactured in modules for assembly on site by the ductwork contractor.


Insulated radial fan for limited spaces

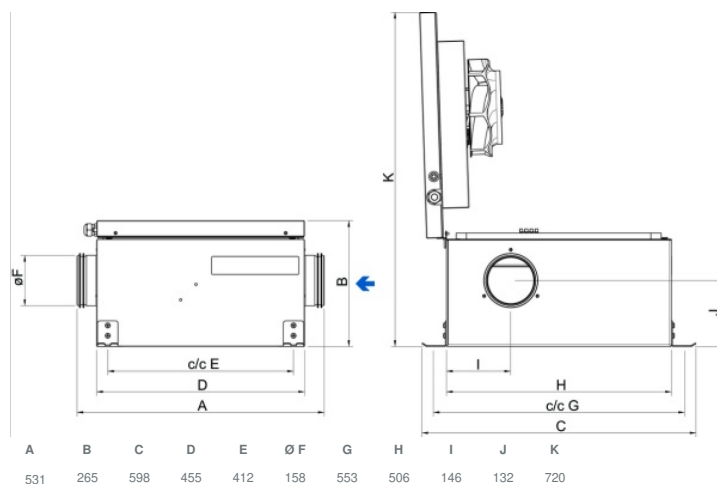
- Design for limited installation height
- Very low noise, acoustic and thermal insulation
- Corrosion resistance of casing C4
- Indoor and outdoor installation
- Easy maintenance, service cover

[Find more details in our online catalogue](#)

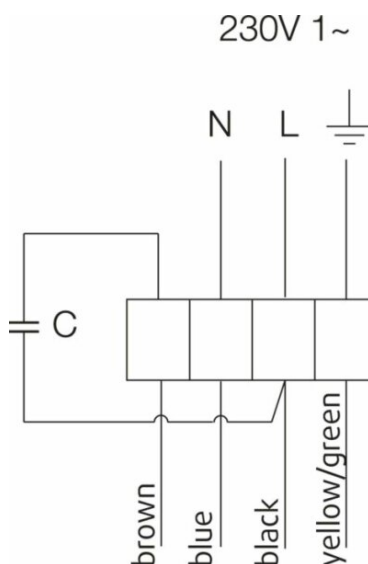
Technical parameters

Nominal data	
Voltage (nominal)	230 V
Frequency	50 Hz
Phases	1~
Input power	88 W
Input current	0.402 A
Impeller speed	2,647 rpm
Air flow	max 0.153 m³/s
Capacitance of capacitor	2.5 µF
Temperature of transported air	max 70 °C
Max temperature of transported air, when speed controlled	70 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	37 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	F
Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2018
Dimensions and weights	
Duct dimension; Circular, inlet	160 mm
Duct dimension; Circular, outlet	160 mm
Weight	17.2 kg
Others	
Duct connection type	Circular
Motor type	AC

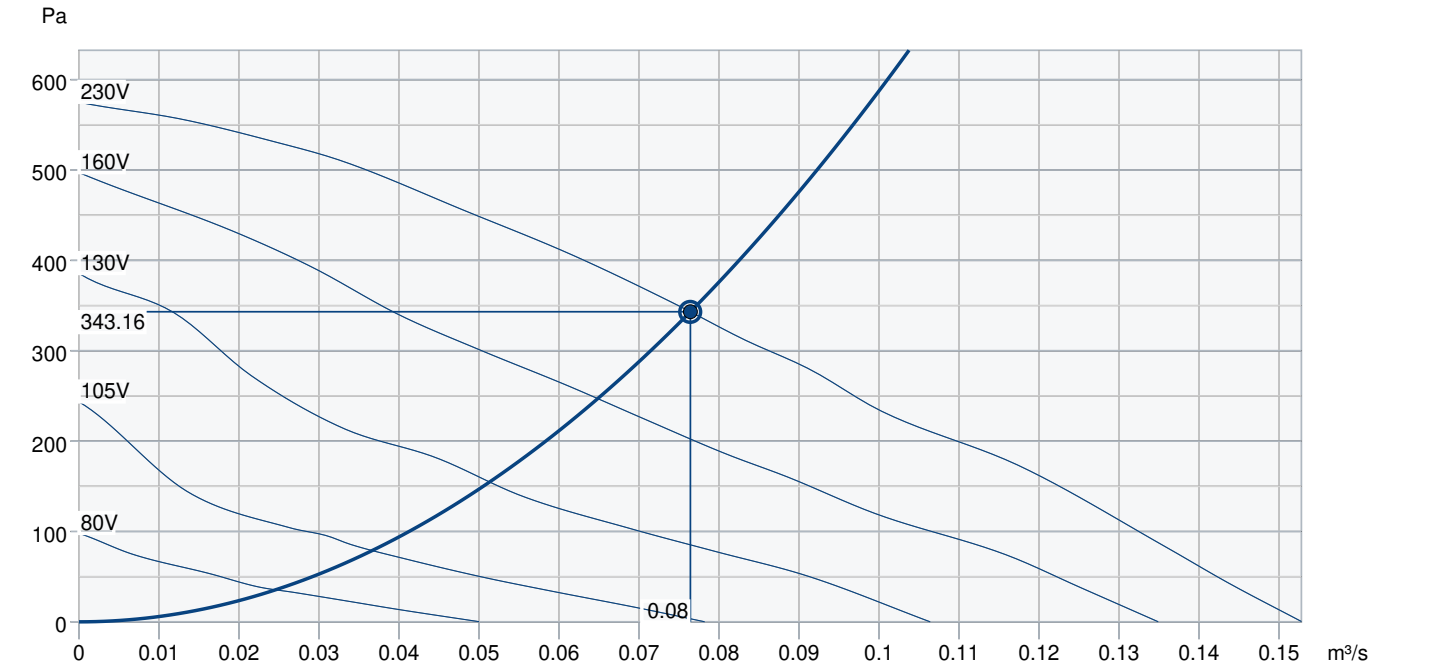
Dimension



Wiring



Performance curve



Hydraulic data										
Required air flow		0.08 m³/s								
Required static pressure		343 Pa								
Working air flow		0.08 m³/s								
Working static pressure		343 Pa								
Air density		1.204 kg/m³								
Power		88.3 W								
Fan control - RPM		2,632 rpm								
Current		0.40 A								
SFP		1.156 kW/m³/s								
Control voltage		230.0 V								
Supply voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	53	52	58	47	44	40	35	28	60
Outlet	dB(A)	55	60	66	65	63	60	52	40	71
Surrounding	dB(A)	26	35	41	36	33	31	31	22	44
Sound pressure level at 3m (20m² Sabine)		-	-	-	-	-	-	-	-	37
Sound pressure level at 3m free field		-	-	-	-	-	-	-	-	23

Accessories

Frequency converter FRQ5SE-6A (37421)	IGK-160 Wall Grid (1632)
RE 1,5 Speed control (5000)	REE 1 Speed control (5314)
REPT 6 Digital regulator (5698)	RETP 6 Temp/Pressure regulator (32293)
REU 1.5 Speed control (5004)	REV-3POL/03-7,5kW R/Y (33978)
SG 160 Protection guard (5608)	VKK-160 Back draft damper (1625)
DTV500A (96807)	Frequency converter FRQSE-6A (37419)
HR1 Room Humidistat (215150)	Presence detector/IR24-P (6995)
RT 0-30 Room Thermostat (5151)	CB 160-1,2 230V/1 Duct heater (5291)
CB 160-2,1 230V/1 Duct heater (5292)	CB 160-2,7 230V/1 Duct heater (5382)
CB 160-5,0 400V/2 Duct heater (5383)	CBM 160-2,1 230V/1 Duct heater (5482)
CBMF 160-2,1 230V/1 Duct heater (12244)	CWK 160-3-2,5 Duct cooler,circ (30022)
FFR 160 Filter cassette (1770)	FGR 160 Filter cassette (1809)
FK 160 Fast clamp (1610)	LDC 160-300 Silencer (53108)
LDC 160-600 Silencer (5192)	LDC 160-900 Silencer (5193)
RSK-160 Back draft damper (5601)	THB 160 Hood w. cover pl. Red (2034)
THB 160 Hood w.cover pl. black (1764)	THS 160 Hood w. cover pl. Red (2044)
THS 160 Hood w.cover pl. black (1839)	VBC 160-2 Water heating batt (5458)
VBC 160-3 Water heating batt (9840)	VBF 160 Water heating battery (1731)

Documents

INSTALLATION_OPERATION_AND_MAINTENANCE_INSTRUCTION_KV_DUO_KVK_DUO_KVK_EN.PDF
COMMISSIONING_RECORD_FANS_EN.PDF


Insulated radial fan for limited spaces

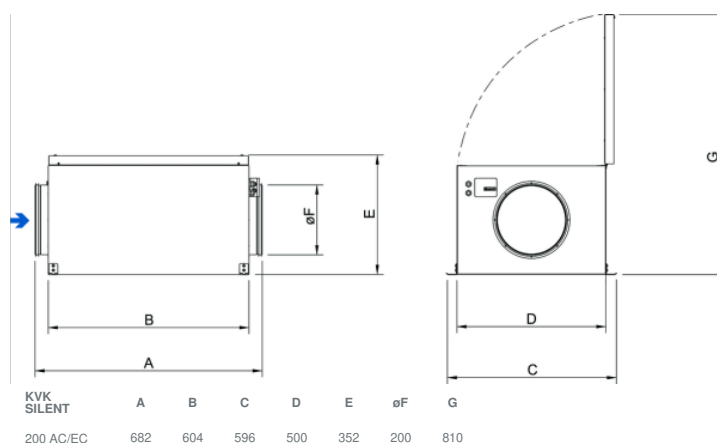
- Design for limited installation height
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- Corrosion resistance of casing C4
- Indoor and outdoor installation
- Easy maintenance, service cover

[Find more details in our online catalogue](#)

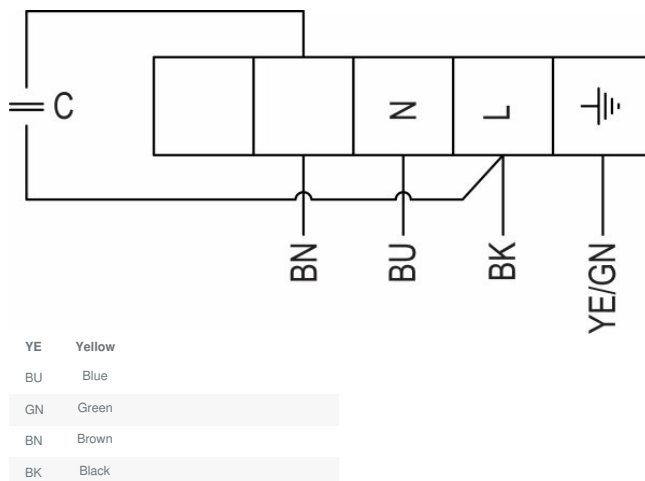
Technical parameters

Nominal data	
Voltage (nominal)	230 V
Frequency	50 Hz
Phases	1~
Input power	105 W
Input current	0.465 A
Impeller speed	2,439 rpm
Air flow	max 0.205 m³/s
Capacitance of capacitor	2.5 µF
Temperature of transported air	max 70 °C
Max temperature of transported air, when speed controlled	70 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	40 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	F
Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2018
Dimensions and weights	
Duct dimension; Circular, inlet	200 mm
Duct dimension; Circular, outlet	200 mm
Weight	21.1 kg
Others	
Duct connection type	Circular
Motor type	AC

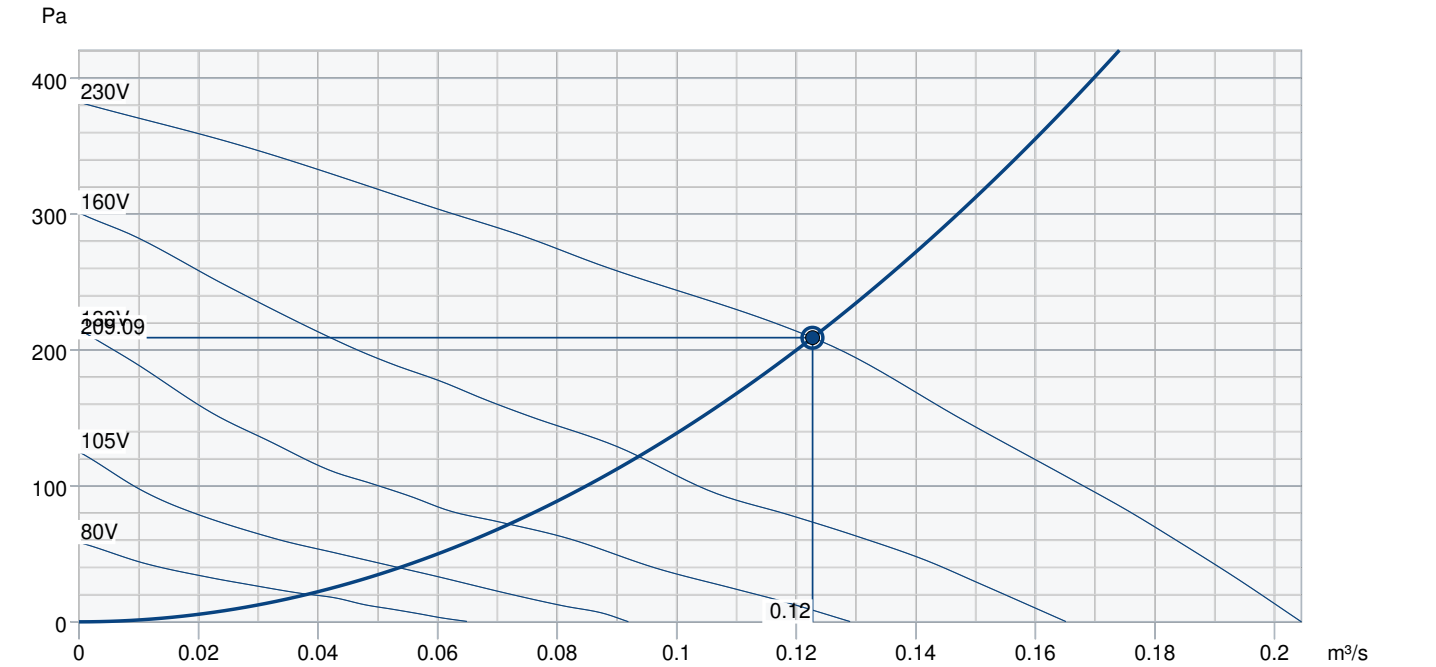
Dimension



Wiring



Performance curve



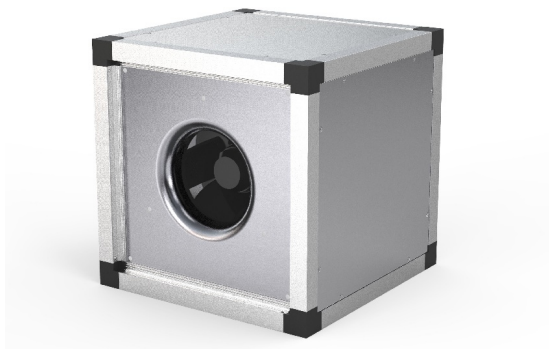
Hydraulic data										
Required air flow		0.12 m³/s								
Required static pressure		209 Pa								
Working air flow		0.12 m³/s								
Working static pressure		209 Pa								
Air density		1.204 kg/m³								
Power		103.1 W								
Fan control - RPM		2,444 rpm								
Current		0.46 A								
SFP		0.840 kW/m³/s								
Control voltage		230.0 V								
Supply voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	51	56	62	54	47	45	43	40	64
Outlet	dB(A)	48	51	60	58	55	57	51	40	65
Surrounding	dB(A)	24	34	45	39	34	31	33	33	47
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	40
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	26

Accessories

Frequency converter FRQ5SE-6A (37421)	RE 1.5 Speed control (5000)
REE 1 Speed control (5314)	REPT 6 Digital regulator (5698)
RETP 6 Temp/Pressure regulator (32293)	REU 1.5 Speed control (5004)
REV-5POL/05-7.5kW R/Y (33979)	SG 200 Protection guard (5609)
VKK-200 Back draft damper (1626)	DTV500A (96807)
Frequency converter FRQSE-6A (37419)	HR1 Room Humidistat (215150)
IGK-200 Wall Grid (1633)	Presence detector/IR24-P (6995)
RT 0-30 Room Thermostat (5151)	VBF 200 Water heating battery (1732)
CB 200-2,1 230V/1 Duct heater (5384)	CB 200-3,0 230V/1 Duct heater (5370)
CB 200-3,0 400V/2 Duct heater (5294)	CB 200-5,0 400V/2 Duct heater (5371)
CBM 200-5,0 400V/2 Duct heater (5483)	CBMF 200-3,0 230V/1 Duct heater (12245)
CBMF 200-5,0 400V/2 Duct heater (12246)	CWK 200-3-2,5 Duct cooler,circ (30023)
FFR 200 Filter cassette (1773)	FGR 200 Filter cassette (1812)
FK 200 Fast clamp (1611)	LDC 200-600 Silencer (5194)
LDC 200-900 Silencer (5195)	RSK-200 Back draft damper (5602)
THB 200 Hood w.cover pl. black (134465)	THS 200 Hood w.cover pl. black (134466)
VBC 200-2 Water heating batt (5459)	VBC 200-3 Water heating batt (9841)
VK-20 Louvre shutter (5639)	

Documents

INSTALLATION_OPERATION_AND_MAINTENANCE_INSTRUCTION_KV_DUO_KVK_DUO_KVK_EN.PDF
COMMISSIONING_RECORD_FANS_EN.PDF

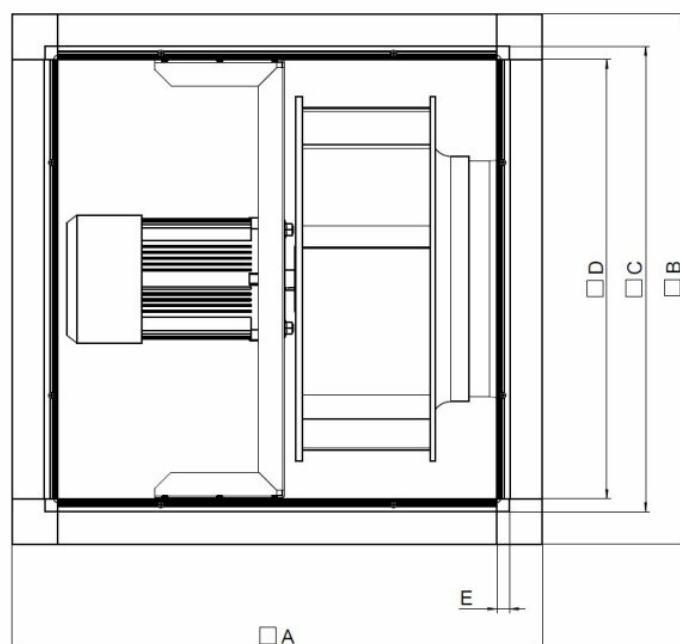


Technical parameters

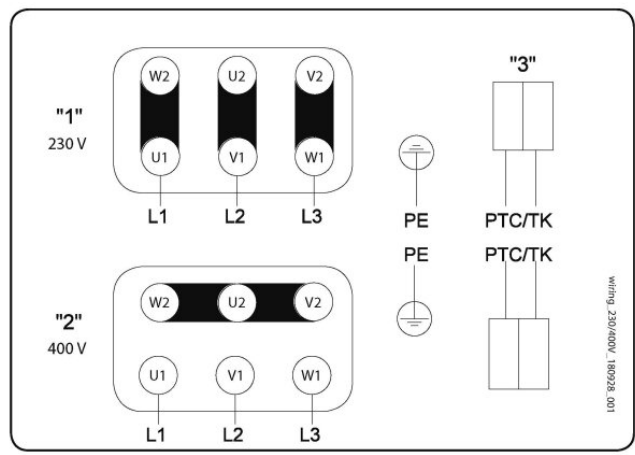
Nominal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phases	3~	
Input power	1,455	W
Input current	3.01	A
Impeller speed	1,464	rpm
Air flow	max 2.2136	m³/s
Temperature of transported air	max 60	°C
Max temperature of transported air, when speed controlled	60	°C
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	F	
Data according to ErP		
ErP ready	ErP 2018	
Dimensions and weights		
Weight	64.5	kg
Others		
Motor type	AC	

Dimension

MUB 042	□A	□B	□C	□D	E
400/450/500	690	690	590	548	21

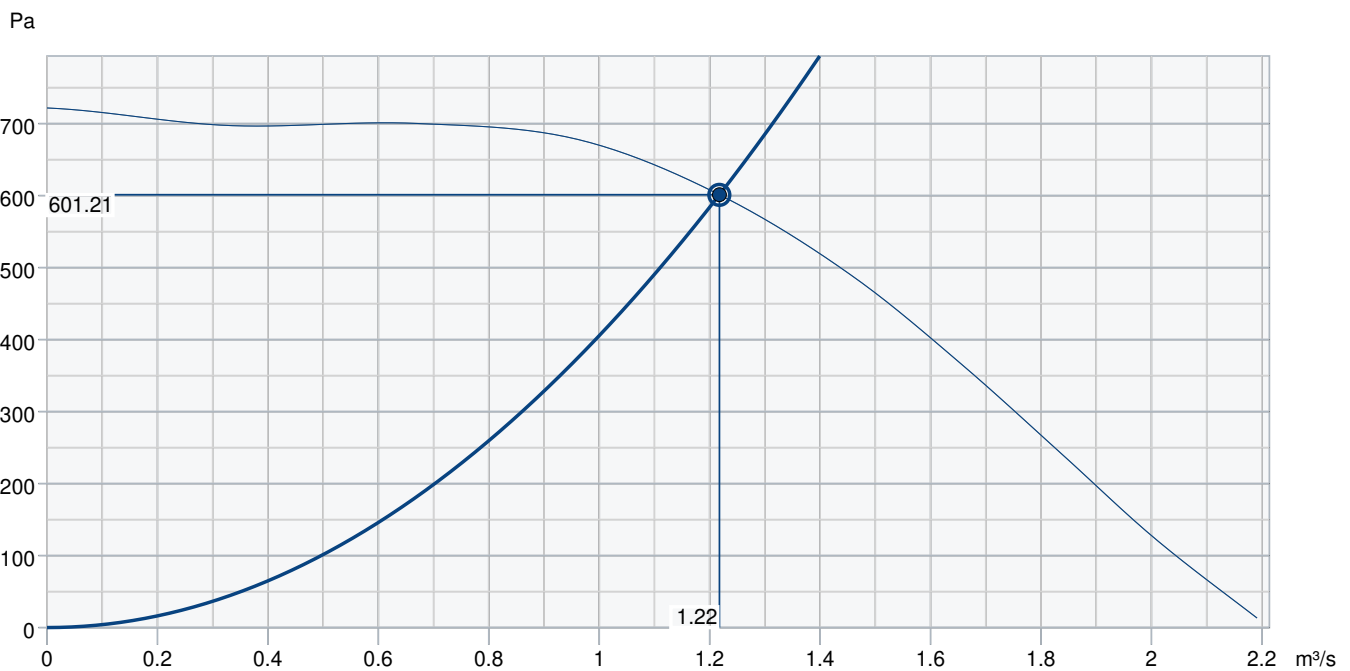


Wiring



- 1 3 x 230V Delta Connection
- 2 3 x 400V Star connection
- 3 PTC / TK
- Changing of direction of rotation by interchanging of two phases

Performance curve



Hydraulic data										
Required air flow		1.22 m³/s								
Required static pressure		601 Pa								
Working air flow		1.22 m³/s								
Working static pressure		601 Pa								
Air density		1.204 kg/m³								
Power		1,444.1 W								
Fan control - RPM		1,460 rpm								
Current		3.00 A								
SFP		1.186 kW/m³/s								
Control voltage		400.0 V								
Supply voltage		400 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	69	71	76	77	74	72	63	82
Outlet	dB(A)	48	71	73	78	78	76	74	65	83
Surrounding	dB(A)	26	51	47	46	48	48	40	28	55
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	48
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	34
Accessories										

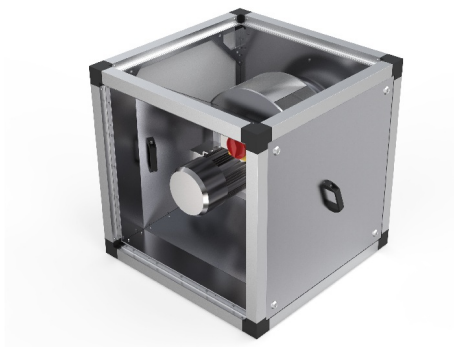
Accessories

FGV 042/586-586 flex. conn. (4605)
Frequency converter FRQ5-4A (36229)
Frequency converter FRQS-4A (36231)
REV-5POL/05-7,5kW R/Y (33979)
TUNE-AHU-DE007-042-588x588-M0 (79881)
UGS 042/500 adapter flex. (4357)
WSG 042 MUB complete (31485)
CCM inlet MUB042 d400 (311780)
CCM outlet MUB042 d400 (311682)
CCMI outlet 042 d400 KIT 30mm (239093)
GRU 042-690/100 (276661)
KKC-DX-R 042 cooling section (277265)
KKC-W-R 042 cooling section (277273)
KKH-HW 042 heater-section (93339)
SDM Service Door MUB 042 30mm (273934)

Frequency converter FRQ-4A (36227)
Frequency converter FRQ5S-4A (36233)
Frequency converter FXDM5AM (31387)
SD-MUB Vibration pad set (37324)
U-EK230E Motor protection (30199)
WSD 042 (730x730x70) complete (31481)
REV-5POL/07-EMV-7,5kW R/Y (34549)
CCM inlet MUB042 d500 (311781)
CCM outlet MUB042 d500 (311683)
CCMI outlet 042 d500 KIT 30mm (239094)
KKC-DX-L 042 cooling section (277261)
KKC-W-L 042 cooling section (277269)
KKF 30 042-filter-section (93311)
KKS 042 silencer-section (276851)

Documents

Installation, Operation and Maintenance instruction_001
UKCA DECLARATION OF CONFORMITY_MUB_EN_002.PDF
COMMISSIONING REPORT_FANS_160628_EN_001.PDF


Powerful and efficient exhaust fans for medium temperatures up to 120°C

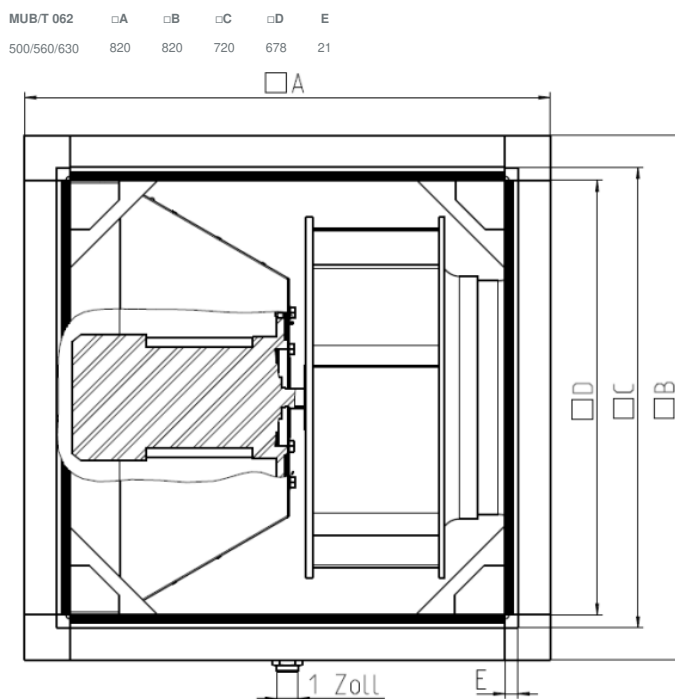
- For kitchen and industrial environments
- Up to 120°C medium temperature, continuous operation
- Drip pan and drain plug included
- Acoustic and thermal insulation 30 mm
- Flexible airflow direction
- Indoor and outdoor installation
- Modular system of accessories
- Available with AC and EC motors for 50 and 60Hz

[Find more details in our online catalogue](#)

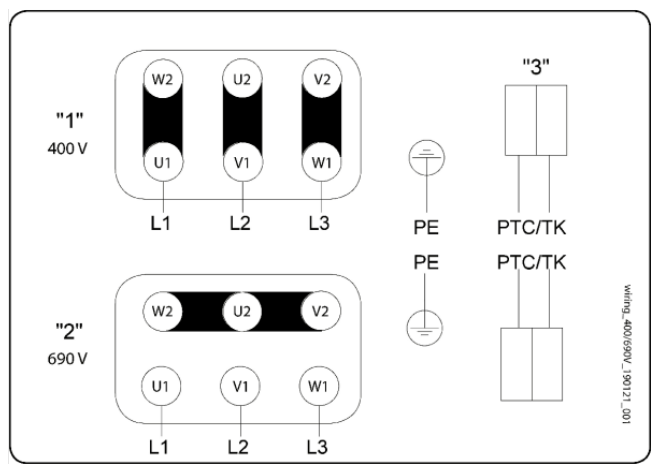
Technical parameters

Nominal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phases	3~	
Motor circuit connection	D	
Input power	4,517	W
Input current	8.08	A
Impeller speed	1,464	rpm
Air flow	max 4.0739	m³/s
Temperature of transported air	max 120	°C
Max temperature of transported air, when speed controlled	120	°C
Protection/Classification		
Enclosure class, motor	IP55	
Insulation class	F	
Data according to ErP		
ErP ready	Not ErP relevant	
Dimensions and weights		
Weight	112.5	kg
Others		
Duct connection type	Square	
Motor type	AC	

Dimension



Wiring



Three phase motor with cold conductor

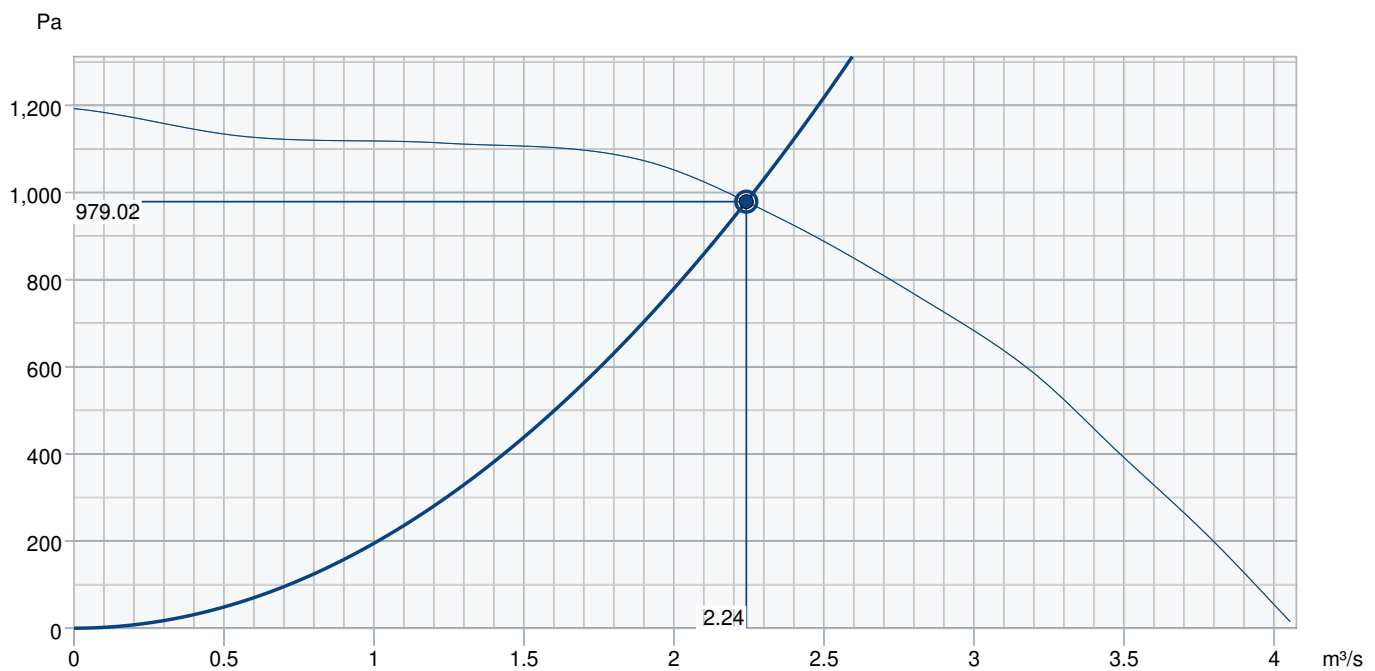
"1" Delta connection

"2" Star connection

"3" Thermal motor protection optional

Changing of direction of rotation by interchanging of two phases

Performance curve



Hydraulic data

Required air flow	2.24 m³/s
Required static pressure	979 Pa
Working air flow	2.24 m³/s
Working static pressure	979 Pa
Air density	1.204 kg/m³
Power	4,298.4 W
Fan control - RPM	1,465 rpm
Current	7.78 A
SFP	1.918 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	56	80	79	82	83	79	76	67	88
Outlet	dB(A)	57	81	80	83	85	81	78	69	90
Surrounding	dB(A)	36	64	51	50	53	51	43	32	65
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	58
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	44

Accessories

FGV 062/716-716 flex. conn. (4198)
Frequency converter FRQ5-10A (36230)
Frequency converter FXDM5AM (31387)
U-EK230E Motor protection (30199)
UGS 062/630 adapter flex 120°C (38371)
WSD 062 (860x860x70) complete (31482)
FGV 062/716-716 flex. 120°C (38362)
CCM inlet MUB062 d560 (311782)
CCM outlet MUB062 d560 (311684)
CCMI outlet 062 d560 KIT 30mm (239095)
GRU 062-820/100 (276662)
KKF-ALU 062-filter-section (376816)
KKF-CAR 100-filter-section (277348)
KKF-KITCHEN 100-filter-section (277367)
SDM Service Door MUB 062 30mm (273935)

Frequency converter FRQ-10A (36228)
Frequency converter FRQ5S-10A (36234)
SD-MUB Vibration pad set (37324)
UGS 062/500 adapter flex 120°C (38370)
UGS 062/630 adapter flex. (4358)
WSG 062 MUB/T complete (36067)
Frequency converter FRQS-10A (36232)
CCM inlet MUB062 d630 (311783)
CCM outlet MUB062 d630 (311681)
CCMI outlet 062 d630 KIT 30mm (239096)
KKF 30 062-filter-section (93312)
KKF-CAR 062-filter-section (277347)
KKF-KITCHEN 062-filter-section (277364)
KKS 062 silencer-section (276852)

Documents

Installation, Operation and Maintenance instruction_001
UKCA DECLARATION OF CONFORMITY_THERMOFANS_EN_002.PDF
COMMISSIONING REPORT_FANS_160628_EN_001.PDF

Vline Panel Filter

Synthetic Media

VL4 95mm Deep

Part No.	Nominal Size Inches	Height (mm)	Width (mm)	Depth (mm)	Rated Airflow m³/hr
VL4-1010	10x10x4	241	241	95	560
VL4-1212	12x12x4	292	292	95	820
VL4-1515	15x15x4	368	368	95	1305
VL4-1616	16x16x4	394	394	95	1495
VL4-1818	18x18x4	445	445	95	1905
VL4-2010	20x10x4	495	241	95	1150
VL4-2015	20x15x4	495	368	95	1755
VL4-2016	20x16x4	495	394	95	1880
VL4-2020	20x20x4	495	495	95	2360
VL4-2412	24x12x4	594	292	95	1670
VL4-2420	24x20x4	594	495	95	2830
VL4-2424	24x24x4	594	594	95	3400
VL4-2516	25x16x4	622	394	95	2360
VL4-2520	25x20x4	622	495	95	2965

Performance

Filter Class ISO16890	ISO Coarse
Initial Gravimetric Arrestance	85%
Filter Class EN779:2012	G4
Filter Depth	95mm
Rated Airflow	2.76m/second
Initial Pressure Drop	61Pa
Final Pressure Drop*	200Pa

*This is a recommended value only



General Description

The VLine pleated Panel filter is an economy specific disposable product offering a better than basic level of filtration, or pre-filtration in HEVAC applications. This product is made using patented filter media which offers an upgrade from traditional cotton polyester products.

Construction

This product is constructed by bonding a pleat pack of VLine Synthetic Media into a water repellent AquaKote® card frame.

The VLine Filter Media

Has a graduated density for even dirt loading, resulting in greater dust holding Electrostat is hydrophobic – so will not load with moisture in the air

Has a constant efficiency due to its extra electrostatic charge

Superior Efficiency V's Particle size (see table). The filter has a low pressure drop. The fibres are continuous so will not shed.

Frame Features

Jasun Envirocare use the heaviest AquaKote board available at 710microns for the entire range of panel filters we produce. The Elmendorf wet tear strength is rated at a massive 6963mN. The adhesive used is specially formulated to maintain adhesion even under wet conditions.

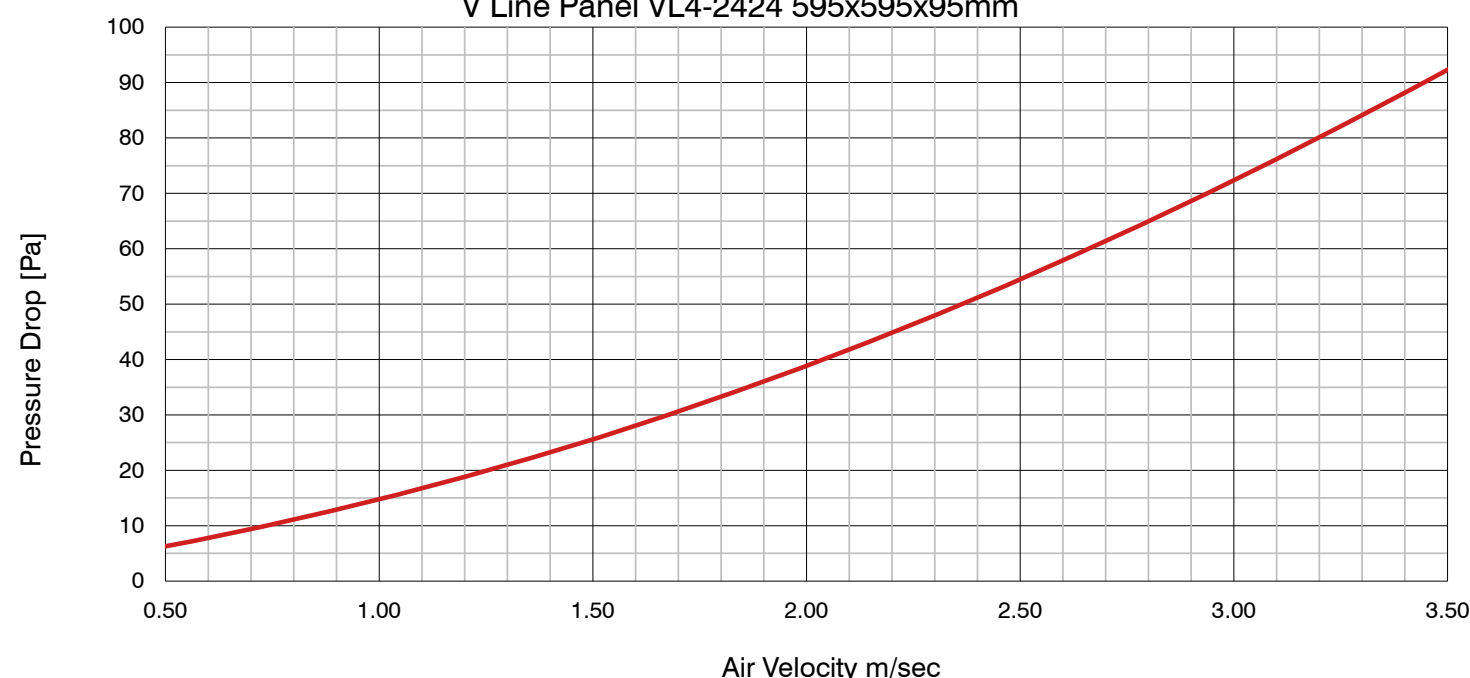
The expanded steel backing to the media is designed to provide maximum support whilst offering minimal airflow resistance

Operating Temperature

Continuous 80 °Centigrade

Pressure drop (Pa) Vs Velocity (m/sec)

V Line Panel VL4-2424 595x595x95mm



OC INNOVATIONS - OC2

Process Information

Oxidation using ozone and activated oxygen ions is used to treat odour emissions from commercial and industrial kitchen processes (DEFRA, 2005: Guidance on the Control of Odour and Noise from Commercial Kitchen Exhaust Systems).

The OC2 has been specifically designed for use in commercial kitchens. The system injects ozone into the kitchen extraction canopy or associated duct work where it reacts with odours, which are oxidized in a chemical reaction, which results in the production of carbon dioxide and water vapour. The ozone itself is consumed during the process and is converted back into oxygen.

The benefits of purchasing an OC2 unit over traditional UV/Ozone systems are as follows:

- Compact, lightweight and quiet operation so is less obtrusive
- Quick and easy low cost installation
- Low capital and running costs – up to 50% less than traditional UVC systems
- Injection into ductwork – adding negligible back pressure to the system so requiring less energy to push air through the air handling system. This means less ductwork modifications
- The OC2 maintains efficiency as they remain outside of the air stream, they also require less maintenance and require less cleaning.
- Tested to EN13725:2003, CE Approved



Spec sheet overleaf >

OC INNOVATIONS - OC2 (SPECIFICATIONS)

Technical Information

Ozone Output	24g/hr ozone output
Housing dimensions	300mm wide x 300mm length x 150mm height
Housing material	Stainless Steel powder coated white/grey
Duct work connection	100mm circular
Volume flow rate in ductwork	Up to 2m ³ /s per unit, subject to cooking odours.
Air residence time inside chamber	>0.1 seconds
Pressure drop	N/A
Weight of unit	5Kg approx.
Two individual Light Indicators	Green Power On / Green Ozone On
Electrical requirements	240V / 1 ph / 50/60Hz
Power requirements	168W
Safety	Built in Air pressure switch

Installation

It is recommended to locate the units with an injection point located closest to the source of odours (i.e. Canopy plenum or nearest accessible point on ductwork, in order to maximize dwell time. In any case the dwell time must be no less than 1 second.

The units in built air pressure switch is activated by the installation of the black three pinned connector to the unit to the sensor lock connector.

Maintenance

An optional service contract is available which entails a yearly inspection of the unit.
Please contact us for further information and pricing.



Manufacturing
Air Filters in
the UK for
Over

40
Years

Sitesafe Discarb Units



General Description

Standard Discarb multipanel carbon units have been in circulation for over 30 years and there are many tens of thousand of units in service today. These filters are very heavy and nearly always installed in situations with very poor access.

With the new appreciation of risk which we have in the 21st Century it has become apparent that these units represent a real danger to health and potentially offer risk in the work place when a filter change is required.

The new Sitesafe Discarb cells provide exactly the same filter performance with a set of filters which will retrofit exactly for an existing full size cell.

We offering a full set of Site Safe discarbs for the same price as a full sized cell so there is no reason not to change to the new style filters and improve workplace safety.

Will require two people plus lifting gear to carry and install



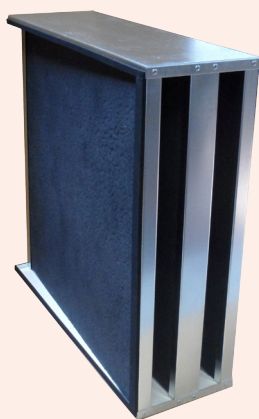
Discarb DC242424

Size 594x594x597
Gross Weight 68.2Kg
Carbon Weight 50kg
Rated Airflow 3800m³/hr*
Pressure Drop 120Pa

Safe for one person to carry, no special lifting gear required.

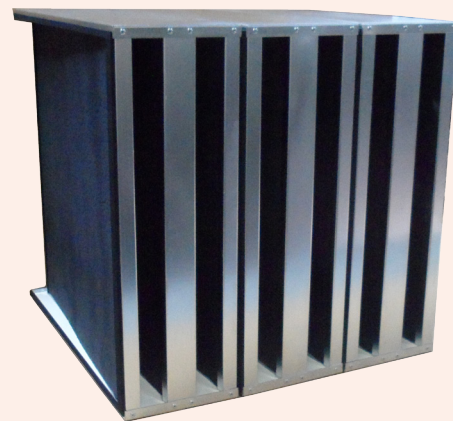
Sitesafe discarb cells are a no added cost option so its win win.

Same price as a standard full size discarb - set of 3



Sitesafe DCS240824

Size 594x196x597
Gross Weight 17.95Kg
Carbon Weight 16.6kg
Rated Airflow 1266m³/hr*
Pressure Drop 120Pa



Sitesafe 3xDCS240824

Size 594x594x597
Gross Weight 53.85Kg
Carbon Weight 50kg
Rated Airflow 3800m³/hr*
Pressure Drop 120Pa

*Rated Airflow based on a dwell time of 0.1 seconds.
Available in all sizes to retrofit discarb cells

SiteSafe Units Standard Sizes



SiteSafe Reference	SiteSafe Cells Needed	Retrofit Discarb	Nominal Size (Inches)	Height (mm)	Width (mm)	Depth (mm)	Weight of Carbon (Kg)	Cell Weight (Kg)	Capacity m³/hr
DCS180912	2	DC181812	18 x 9 x 12	445	220	297	6.5	7.85	495
DCS240612	2	DC241212	24 x 6 x 12	594	146	297	6.5	7.85	990
DCS240812	3	DC242412	24 x 8 x 12	594	196	297	8.4	9.7	633
DCS180918	2	DC181818	18 x 9 x 18	445	220	451	9.5	10.85	722
DCS240618	2	DC241218	24 x 6 x 18	594	146	451	9	10.35	685
DCS240818	3	DC242418	24 x 8 x 18	594	196	451	12	13.35	915
DCS180924	2	DC181824	18 x 9 x 24	445	220	597	12.5	13.85	950
DCS240624	2	DC241224	24 x 6 x 24	594	146	597	12.5	13.85	950
DCS240824	3	DC242424	24 x 8 x 24	594	196	597	16.6	17.95	1266

The above capacities are based on a 0.1 second dwell time. Please refer to the table 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. The appropriate suffix should be added to the part number to specify the required grade e.g. DCS240824-7C

Application	Recommended Dwell Time	Grade	Suffix
Cooking - General Restaurant	0.1 to 0.2 Seconds	General Purpose Activated Carbon	-7C
Cooking - Spicy, Indian	0.2 to 0.4 Seconds	General Purpose Activated Carbon	-7C
Reduction of Kerosene Exhaust fumes	0.1 to 0.2 Seconds	General Purpose Activated Carbon	-7C
Reduction of Ozone	0.1 to 0.2 Seconds	General Purpose Activated Carbon	-7C
Reduction of Diesel Fumes, including H ₂ S, SO ₂ , NOX, HCl	0.2 Seconds	5% Copper Treated Carbon	-9M
Museum and Archives	0.2 Seconds	5% Copper Treated Carbon	-9M
Mortuary / formaldehyde reduction	0.4 Seconds	Mortuary Grade	-MO
Ammonia Neutralisation	0.3 seconds	Ammonia Grade	-AM

Other Applications

We can formulate gas phase filters for most applications, simply contact us with your enquiry.

Filter Manufacture & Air Hygiene Solutions

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