

UV-O Range

Unlike other UV-C systems, our UV-O units are located outside of the kitchen extract duct and are connected via a spigot and spiral ducting.



KEY FEATURES

- Easy to install
- Can be retro-fitted into existing duct
- Virtually no pressure loss
- No monthly maintenance needed

Our UV-O range includes:-

- UV-O 500 which handles up to 1 m³/sec of air flow
- UV-C 1000 which handles up to 2 m³/sec of air flow

The UV-O 500 has been designed for smaller capacity commercial kitchens.

The UV-O range uses UV-C technology to produce ozone and hydroxyl free radicals to oxidise cooking odours through a process of ozonolysis.

Unlike other UV-C systems, our UV-O units are located outside of the kitchen extract duct and are connected via a spigot and small diameter ducting.

Although it is widely accepted that the best way to apply UV-C light is directly in-line with the air stream itself, performance will be impacted as the lamps get dirty.

With our UV-O units the air flow does not come from the exhaust duct but from the ambient air around the unit, which is filtered on entry. This means that it is able to provide a uniform supply of ozone and hydroxyl free radicals into the extract system with an extremely low pressure loss.

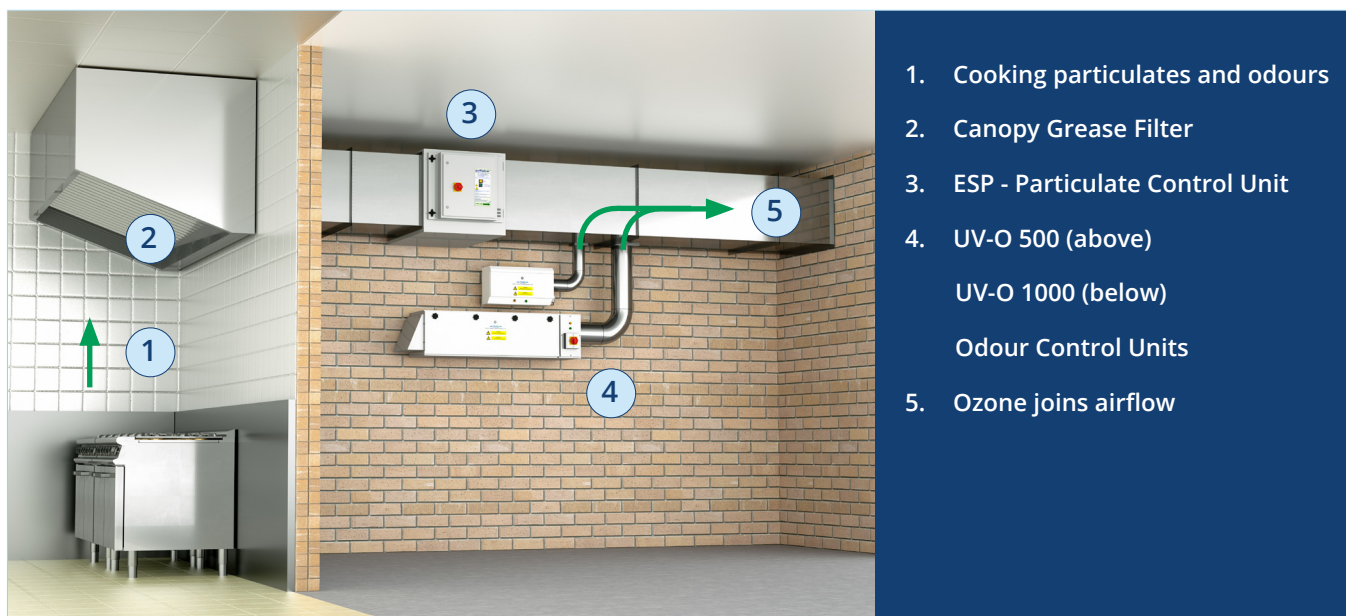
For optimum performance we would recommend between 2 & 6 seconds of dwell time to allow the ozone to work effectively upon the malodorous gasses within the duct.



UV-O 500 Unit



UV-O 1000 Unit



1. Cooking particulates and odours
2. Canopy Grease Filter
3. ESP - Particulate Control Unit
4. UV-O 500 (above)
UV-O 1000 (below)
Odour Control Units
5. Ozone joins airflow

Technical Specification

	UV-O 500	UV-O 1000
Electrical Supply	220/240V 50Hz	220/240V 50Hz
Power Consumption	120 Watts	700 Watts
Max Air Volume	up to 1m ³ /sec	up to 2m ³ /sec
Dimensions	W 605mm H 300mm D 200mm	W 1568mm H 350mm D 363mm
Weight	10.5Kg	50Kg

This unit's tried and tested UV-C technology allows for the siting of commercial kitchens in locations such as residential areas and shopping centres, where previously planning permission may not have been granted. After extensive research and development Purified Air are able to devise the best combination of lamps to provide the most effective odour control.

Safety

Ultra-Violet band C light is the most powerful of the three bands, it is a very strong oxidant and as such exposure to UV-C light is dangerous. To ensure safety the UV-C lamps are secured behind locked panels and the system has been engineered to shut down automatically when these panels are unlocked. However, since the lamps typically have a minimum life of twelve months and with the system able to operate at optimum efficiency even if one lamp fails it is unlikely that, apart from routine servicing by experienced engineers, that the system will ever need to be opened.

Our ESP Range

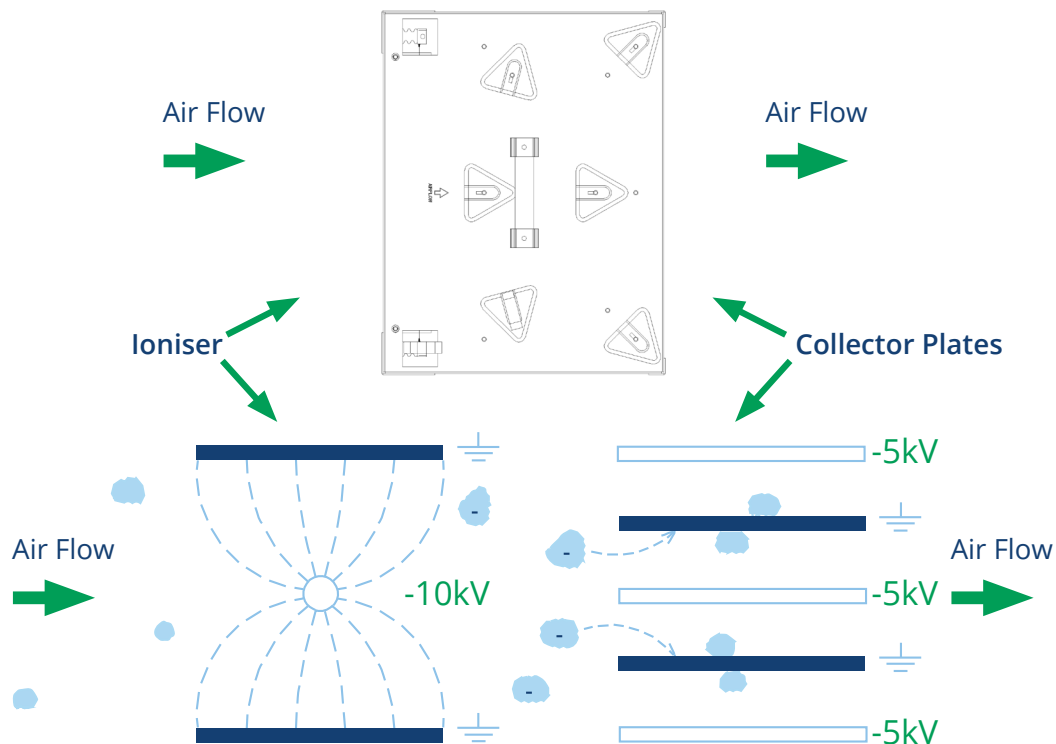


ESP 4500

- ESP 1500E which can handle up to 0.7m³/sec of air flow
- ESP 3000E which can handle up to 1.4m³/sec of air flow
- ESP 4500E which can handle up to 2.1m³/sec of air flow
- ESP 6000E which can handle up to 2.8m³/sec of air flow

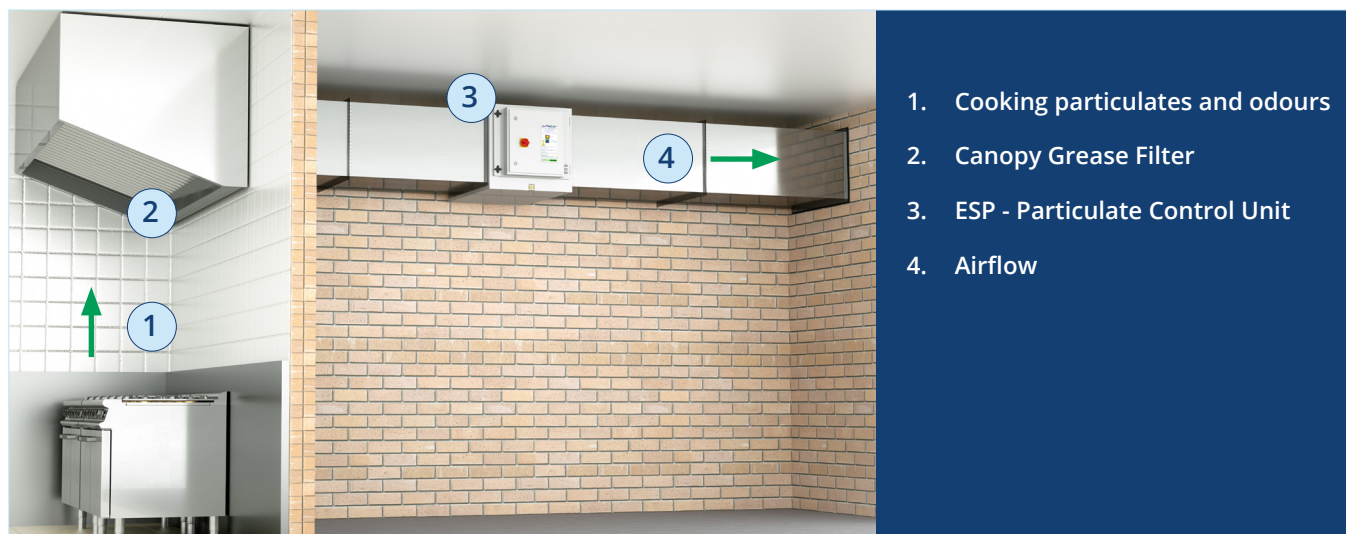
Our ESP's have been specifically designed for kitchen extract systems; they have integral sumps to collect the oil, grease and smoke particles filtered out of the exhaust. This not only simplifies servicing but eradicates potentially dangerous spillage from the bottom of the units and greatly cuts down on build-ups of grease within the ducting.

The ionisation voltage has been designed to run at a negative potential which enhances the ionisation of particles and also produces more ozone which is helpful in reducing cooking odours.



The above diagram shows, in a basic visual, how an electrostatic precipitator works. As air passes into the combined ioniser / collector cell, the particulates in the air stream are polarised to a negative potential. As they continue through the ioniser and between the collector cell plates, the polarised particulates are repelled away from the negatively charged plates and attracted to the earthed plates where they stick and so are filtered out of the air flow.

Our ESP units fit in-line with the kitchen ducting and can be configured modularly to cope with all extract volume requirements.



KEY FEATURES

- Eliminates up to 98% of oil, grease and smoke particles
- Filters particles down to sub-micron levels
- Produces Ozone to help reduce malodours
- Designed with an integral sump
- Modular in design
- Specifically designed for commercial kitchen application
- Energy efficient: - uses no more than 50W
- Greatly reduces grease build-up within the duct run



3 ESP Units Stacked in modular formation



4 ESP Units Stacked in modular formation with a double pass

Technical Specification

	ESP 1500E	ESP 3000E	ESP 4500E	ESP 6000E
Electrical Supply	220/240V 50Hz	220/240V 50Hz	220/240V 50Hz	220/240V 50Hz
Power Consumption	20 Watts	30 Watts	40 Watts	50 Watts
Max Air Volume	up to 0.7m ³ /sec	up to 1.4m ³ /sec	up to 2.1m ³ /sec	up to 2.8m ³ /sec
Dimensions W/H/D	450mm/630mm/ 640mm	900mm/630mm/ 640mm	1350mm/630mm/ 640mm	1800mm/630mm/ 640mm
Weight	55Kg	85Kg	118Kg	153Kg

 AIR COMFORT

 FIRE SAFETY

AIR MOVEMENT

MAXFAN COMPAC

» OFFERING HIGH PERFORMANCE,
ROBUST DESIGN AND FLEXIBLE CONTROL

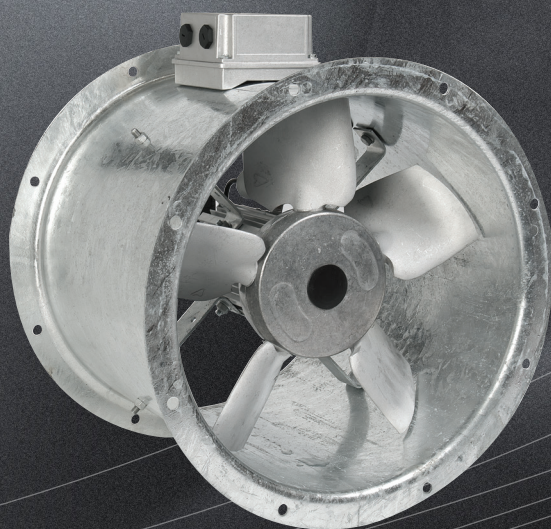
MAXFAN
COMPAC



INTRODUCING THE MAXFAN COMPAC THE NEW MAXFAN COMPAC DESIGNED FOR THE KITCHEN CANOPY MARKET OFFERING HIGH PRESSURE & PERFORMANCE, WITH QUALITY YOU CAN TRUST.....

The MaXfan Compac reinforces the high quality products that Fläkt Woods has provided over the years. The MaXfan Compac fan offers you; High Performance, Full Inverter Control, Operating temperature up to 80°C*, Easy Installation & Maintenance, Comparable noise levels, Compact robust lightweight design, DW172 Compliance and is available in stock for next day delivery.

The MaXfan Compac has been developed with our customers in mind, looking after you is our priority. Fläkt Woods incorporates the Woods Range of Distribution fans, your number 1 supplier of ventilation equipment in the UK.



+



THE PERFECT COMBINATION

*dependent on the fan size, please refer to the specific fan technical page

MAXFAN COMPAC - THE NEXT GENERATION IN KITCHEN FANS

FEATURES

- 400 - 630 mm diameter
- Volumes up to 4.9m³/s
- Static Pressures up to 900 Pa (Non-stalling characteristic)
- Fans tested to ISO5801 and BS848
- High efficiency energy saving IE2 motor
- Low breakout noise levels
- Motor protection and terminal block IP55 (DW172 & Defra Compliant)
- Ambient temperatures up to 80°C (Dependant on size)
- Overheat protection as standard
- Compact robust light weight construction
- Galvanised casing for high corrosion resistance
- Full inverter control and flexibility

ELECTRICAL SUPPLY

230v/50Hz/1 Ph (3 Ph Motor) - L Type

TEMPERATURE RANGE

Suitable for temperatures up to 80°C*

*dependent on the fan size, please refer to the specific fan technical page

SIZES

400, 450, 500, 560 and 630 mm

Smaller 315 & 355 mm available on request

IMPELLERS

A unique high efficiency aerofoil section blade with a smoothed hub and clamp plate offers a high efficiency solution.

The Fläkt Woods impellers are all high pressure die cast to offer thin aerofoil sections for low generation of noise. Every cast aluminium component is X-ray examined using Real Time Radiography inspection prior to assembly. The maximum pitch angles shown allow for speed control by frequency inverter.

MOTORS

All motors are totally enclosed air stream rated with class F insulation. Constructed from aluminium or cast iron as standard with special pad mounted fixings. Although this product incorporates a three phase electric motor, by using a matched inverter solution it is suitable for use with a single phase electrical supply on site. In addition, using a frequency inverter allows the speed to be turned down to 20% of maximum speed. Suitable for horizontal or vertical shaft operation. Supplied IP55, with removable drain plugs.

Sealed for life bearings lubricated with wide temperature range grease. The complete range of motors are fitted with Thermistor OHP as standard. Motors are IE2 efficiency class as standard.



CASINGS

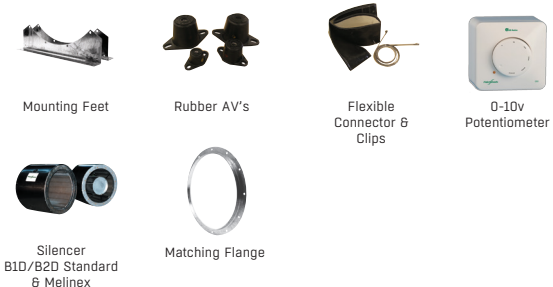
The Maxfan Compac is available with a galvanised casing, complete with an externally mounted pre-wired electrical terminal box. Casings are spun from sheet steel with integral pre-drilled and radiused inlet flanges. The galvanised finish gives a high resistance to corrosion and is ideal for external as well as internal use.

PRODUCT CODE

40 Maxfan Compac

- 40 - denotes the fan impeller diameter in centimetres

ACCESSORIES



MAXFAN COMPAC QUICK SELECTION TABLE & ELECTRICAL DATA

230 V/50HZ/1 Φ - L TYPE

QUICK SELECTION TABLE

Part Number	Fan Description	Volume (m³/s) @ Pa static										
		0	50	100	200	300	400	500	600	700	800	900
EJ413456	40 MaXfan Compac	1.55	1.49	1.44	1.31	1.18	1.02	0.78	0.41			
EJ463266	45 MaXfan Compac	2.19	2.14	2.07	1.98	1.87	1.74	1.58	1.33	0.89	0.6	0.35
EJ513255	50 S MaXfan Compac	2.77	2.67	2.59	2.42	2.23	1.99	1.72	1.4	1.04	0.61	
EJ513266	50 MaXfan Compac	3.21	3.15	3.09	2.97	2.78	2.64	2.47	2.25	2.00	1.48	0.81
EJ563236	56 MaXfan Compac	4.54	4.4	4.22	3.96	3.62	3.24	2.78	2.25	1.33		
EJ623236	63 MaXfan Compac	4.87	4.66	4.52	4.19	3.81	3.44	3.00	2.51	2.1	1.53	0.79

PRODUCT AND ELECTRICAL DETAILS

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ413456	40 MaXfan Compac	80	80	1.32	4.71	25.5	1	230	6.8	CD3042	40	35	375
EJ463266	45 MaXfan Compac	55	80	1.32	4.71	25.5	1	230	6.8	CD3042	43	37	375
EJ513255	50 S MaXfan Compac	65	80	1.73	6.16	35.5	1	230	6.8	CD3042	49	32	375
EJ513266	50 MaXfan Compac	65	90	2.64	9.36	52.8	1	230	9.6	CD3042	48	50.5	520
EJ563236	56 MaXfan Compac	70	90	2.64	9.36	52.8	1	230	9.6	CD3042	48	55	520
EJ663236	63 MaXfan Compac	55	90	2.64	9.36	52.8	1	230	9.6	CD3042	50	61	520

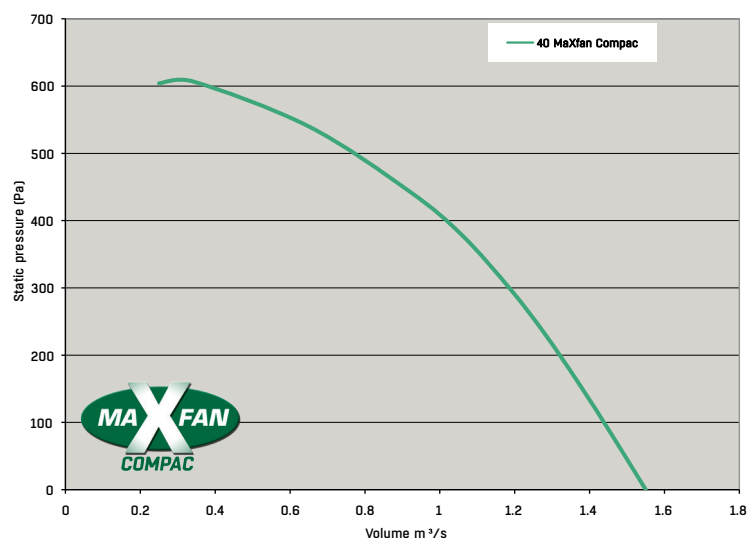


Sound pressure levels quoted are the breakout, and are an average value in dBA at 3m distance over a sphere at the duty point specified on the individual fan pages, under free field conditions. This data is presented for comparative purposes only.

MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 40 MaXfan Compac (EJ413456)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 40 MaXfan Compac

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ413456	40 MaXfan Compac	80	80	1.32	5.1	25.5	1	230	6.8	CD3042	40	35	375

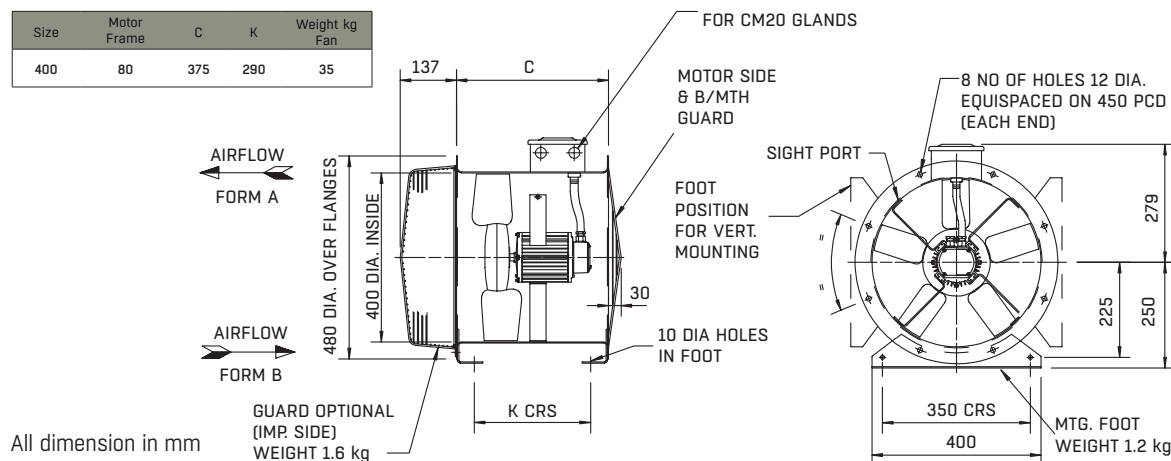
SOUND DATA - 40 MaXfan Compac

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	75	76	82	79	78	77	74	70	86	63
Outlet*	77	77	85	80	79	77	75	71	88	64
Breakout*	67	62	65	59	53	48	50	48	70	40

*Lw dB re 10⁻¹² W
Ps Sound data at 1.32m³/s @ 200Pa (static)

**dBA re 2x10⁻⁵ PA

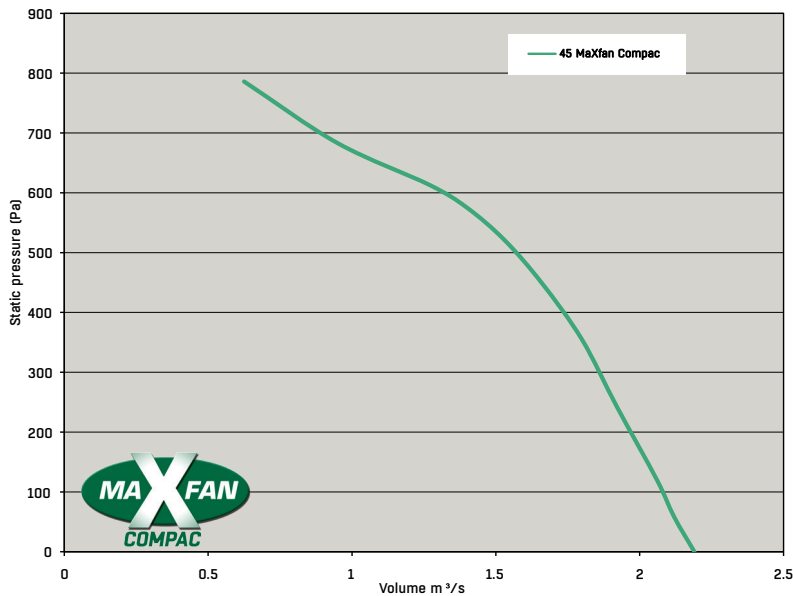
DRAWING - 40 MaXfan Compac



MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 45 MaXfan Compac (EJ463266)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 45 MaXfan Compac

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ463266	45 MaXfan Compac	55	80	1.32	5.1	25.5	1	230	6.8	CD3042	43	37	375

SOUND DATA - 45 MaXfan Compac

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	78	81	88	82	80	80	78	75	91	66
Outlet*	79	81	88	82	81	80	79	77	91	67
Breakout*	69	63	66	59	56	52	57	53	72	43

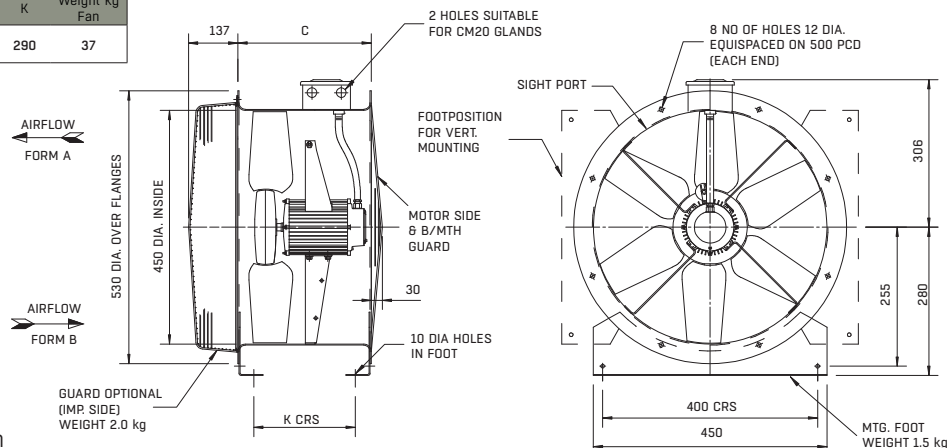
*Lw dB re 10⁻¹² W

Ps Sound data at 1.86m³/s @ 300Pa (static)

**dBA re 2x10⁻⁵ Pa

DRAWING - 45 MaXfan Compac

Size	Motor Frame	C	K	Weight kg Fan
450	80	375	290	37

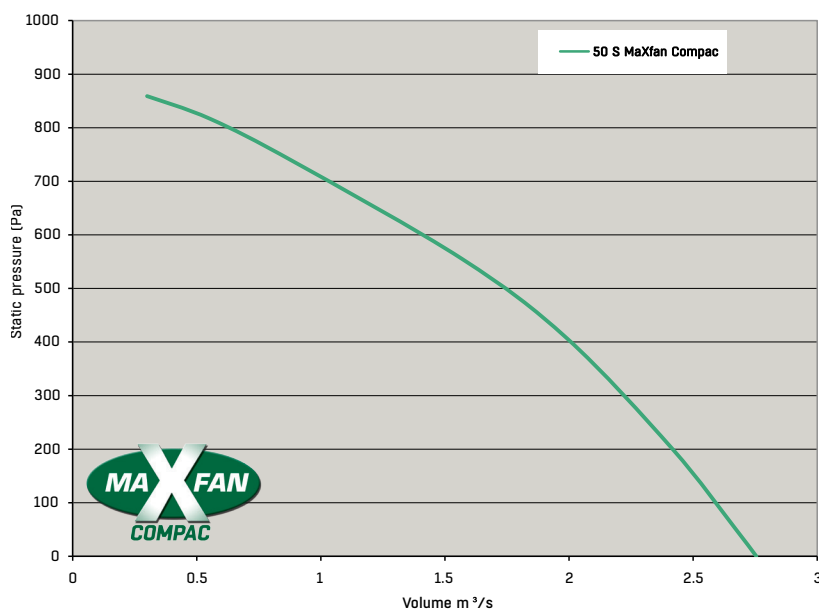


All dimension in mm

MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 50 S MaXfan Compac (SHORT) (EJ513255)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 50 S MaXfan Compac (SHORT)

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ513255	50 S MaXfan Compac	65	80	1.73	6.3	35.5	1	230	6.8	CD3042	49	32	375

SOUND DATA - 50 S MaXfan Compac

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	81	82	89	85	87	87	83	79	95	72
Outlet*	81	82	91	86	87	87	85	81	96	73
Breakout*	71	64	69	63	62	59	63	57	75	49

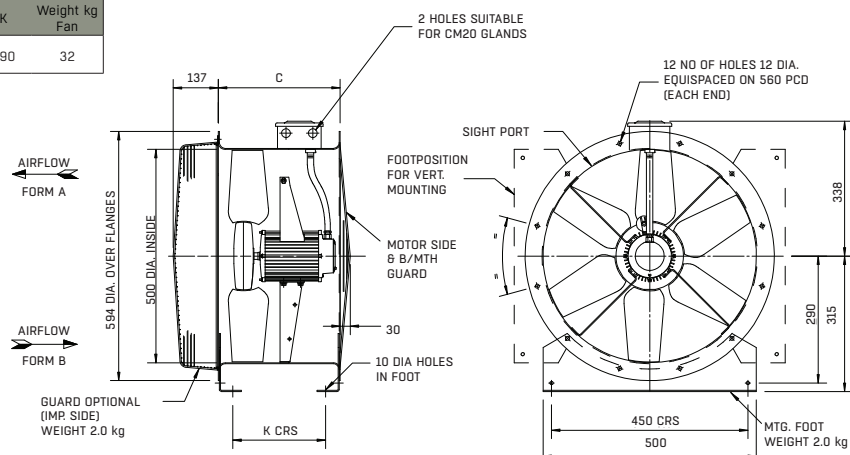
*Lw dB re 10⁻¹² W

Ps Sound data at 2m3/s @ 400Pa (static)

**dBA re 2x10⁻⁵ Pa

DRAWING - 50 S MaXfan Compac

Size	Motor Frame	C	K	Weight kg Fan
500 S	80	375	290	32

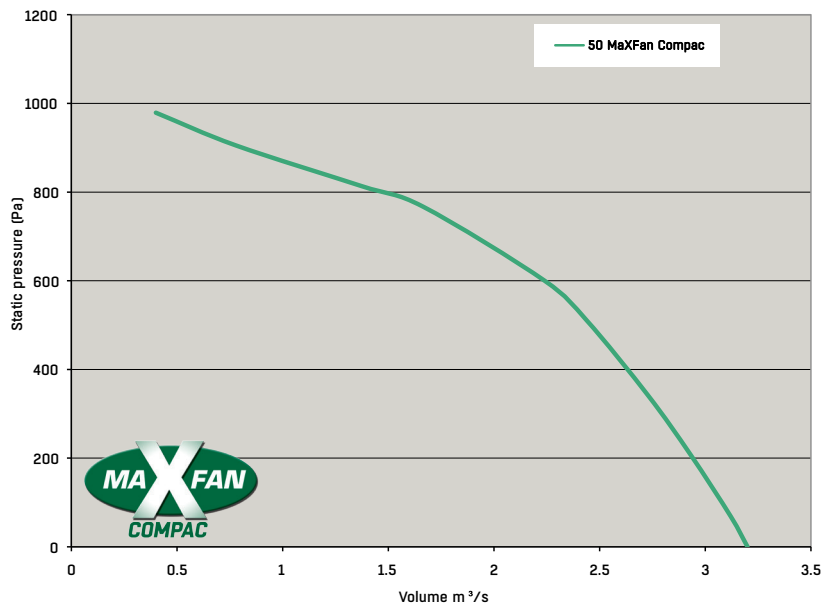


All dimension in mm

MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 50 MAXFAN COMPAC (EJ513266)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 50 Maxfan Compac

Part Number	Fan Description	Speed	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ513266	50 Maxfan Compac	2910	65	90	2.64	9.4	52.8	1	230	9.6	CD3042	48	50.5	520

SOUND DATA - 50 Maxfan Compac

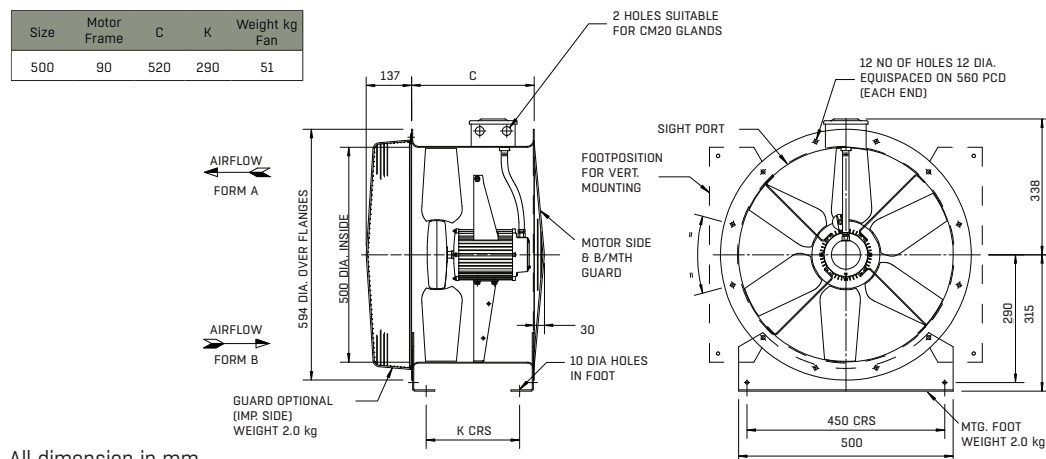
	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	83	79	87	88	86	85	81	78	94	71
Outlet*	85	79	90	89	86	86	81	79	95	72
Breakout*	75	61	68	66	61	58	59	55	77	48

*Lw dB re 10⁻¹² W

Ps Sound data at 2.63m³/s @ 400Pa (static)

**dBA re 2x10⁻⁵ Pa

DRAWING - 50 Maxfan Compac

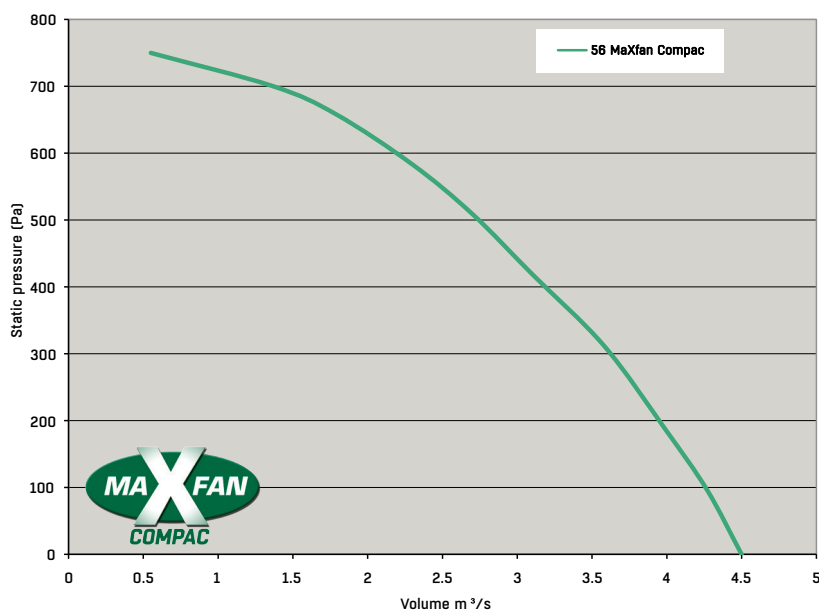


All dimension in mm

MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 56 MaXfan Compac (EJ563236)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 56 MaXfan Compac

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ563236	56 MaXfan Compac	70	90	2.64	9.4	52.8	1	230	9.6	CD3042	48	55	520

SOUND DATA - 56 MaXfan Compac

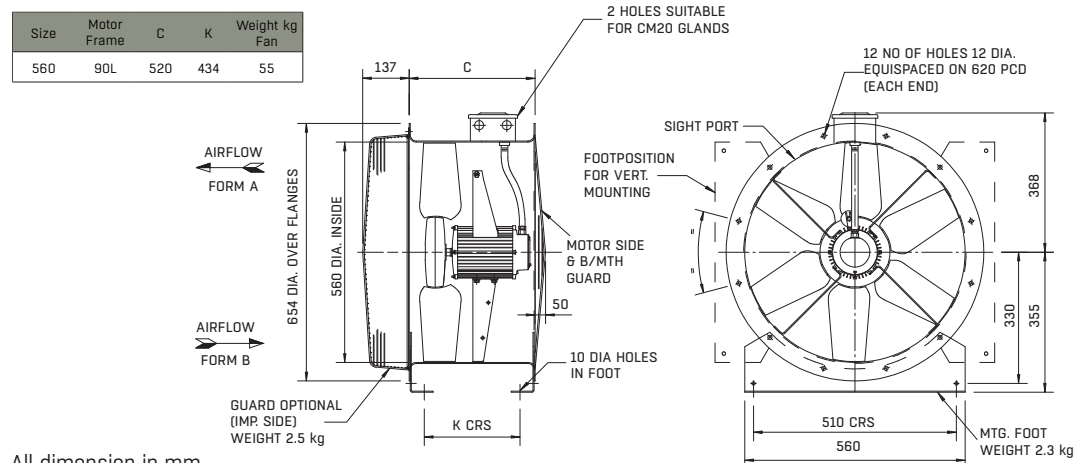
	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	86	93	88	90	88	85	79	77	97	72
Outlet*	87	95	89	90	88	85	80	79	98	72
Breakout*	77	74	63	65	63	58	61	55	79	48

*Lw dB re 10⁻¹² W

Ps Sound data at 3.22m³/s @ 400Pa (static)

**dBA re 2x10⁻⁵ Pa

DRAWING - 56 MaXfan Compac

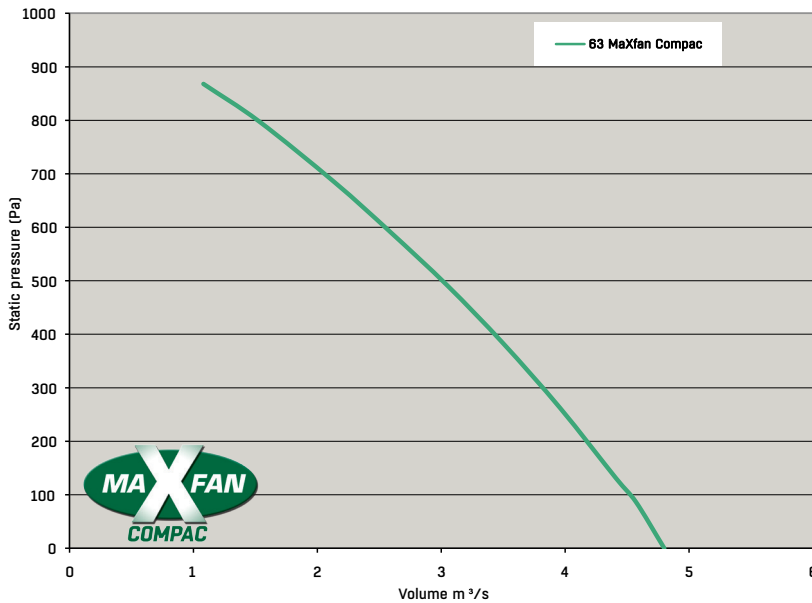


All dimension in mm

MAXFAN COMPAC

230 V/50HZ/1 PH - L TYPE

PERFORMANCE CHART - 63 MaXfan Compac (EJ663236)



ADDITIONAL ACCESSORIES



PRODUCT AND ELECTRICAL TABLE - 63 MaXfan Compac

Part Number	Fan Description	Temperature (°C)	Frame	kW	FLC (A)	SC (A)	Phase	Voltage	Inverter Model	Wiring Diagram	Breakout Sound Level dB(A) @ 3m	Fan Weight (kg)	Casing Length (mm)
EJ663236	63 MaXfan Compac	55	90	2.64	9.4	52.8	1	230	9.6	CD3042	50	61	520

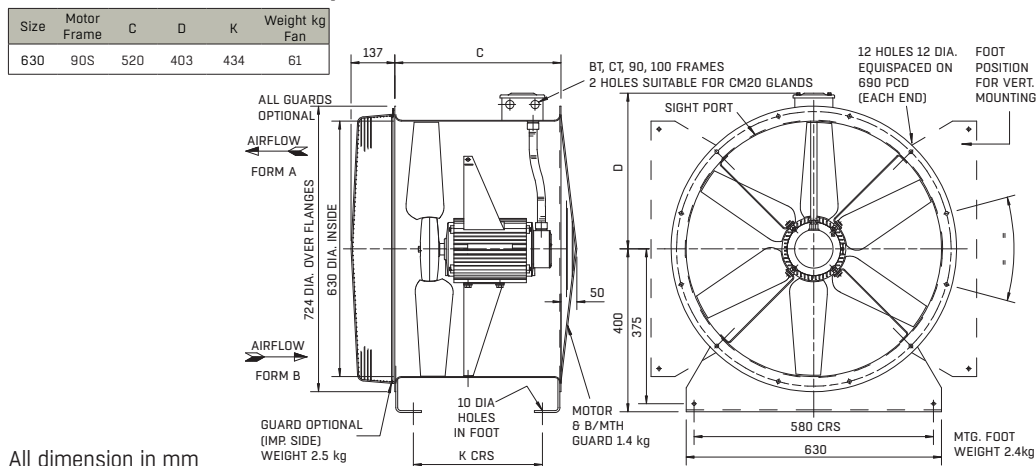
SOUND DATA - 63 MaXfan Compac

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3m**
Inlet*	85	95	93	91	87	84	83	81	99	72
Outlet*	86	98	94	91	87	85	84	83	100	73
Breakout*	76	77	68	66	62	58	65	59	80	50

*Lw dB re 10⁻¹² W
Ps Sound data at 3.4m³/s @ 400Pa (static)

**dBA re 2x10⁻⁵ Pa

DRAWING - 63 MaXfan Compac



All dimension in mm

INVERTER SINGLE TO THREE PHASE

FEATURES & BENEFITS

- 1 Ph 200-240VAC to 3 Ph 200-240 VAC Electrical Supply
- Pre-Programmed for easy installation
- Max shielded cable length 25m
- Asynch motor speed control
- Ultra compact & light making it easy to install
- Simple to use Alpha-numeric display
- Included fitted potentiometer for manual speed adjustment
- Connectable as Modbus RTU offering control flexibility
- Built in RFI filter minimising interference
- Built-in brake functions with built in DC and AC brake functions
- 2xAI, 1xAD & 1xRO / RS485 connection options
- BMS enable/disable
- Maximum operating ambient 50°C
- Coated PCB standard for harsh environments
- High energy efficiency

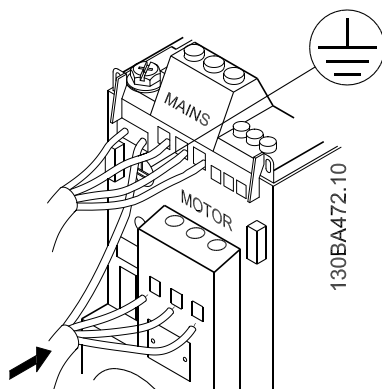
DESCRIPTION

Our inverter is a frequency converter with unsurpassed reliability, user-friendliness, condensed functionality, and extremely easy to commission. Terminal numbers are named in the same manner as in the rest of the family, making installation easy.

It converts a single phase 200-240 VAC input into a three phase output to allow the Maxfan Compac product to use a high efficiency 3Ph, 230V motor.

A safety isolator/switch disconnecter should be installed on the mains side of the drive to ensure that the mains supply can be isolated for maintenance.

Please see the image below, illustrating the connections on the bottom of the inverter drive.



RANGE

There are two matched inverters that are specifically designed to use with our Maxfan Compac fan range. Details are shown below.

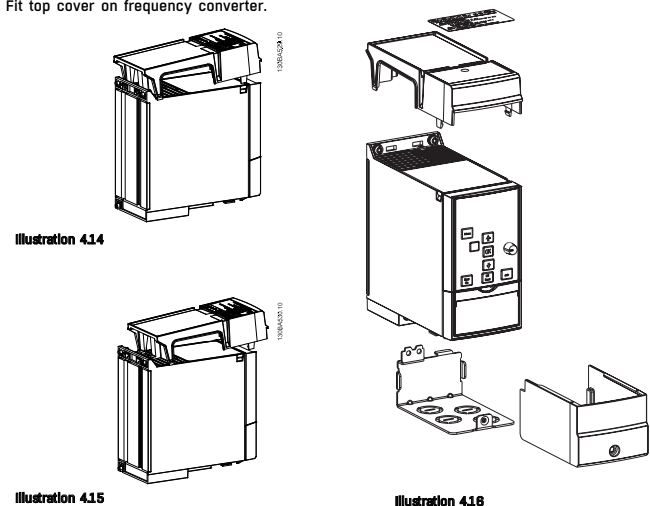
Inverter Model	Ph.	V	Amps	kW	Enc.
6.8	1-3	200-240V	6.8	1.5	M2
9.6	1-3	200-240V	9.6	2.2	M3

ACCESSORIES

Description	Part
Local Control Panel(LCP12) Digital Keypad with Pot.	EA901058

Step 1

Fit top cover on frequency converter.

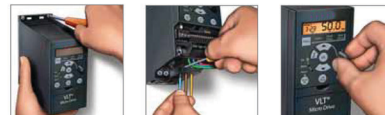


MAXFAN COMPAC

INVERTER - QUICK INSTALLATION GUIDE

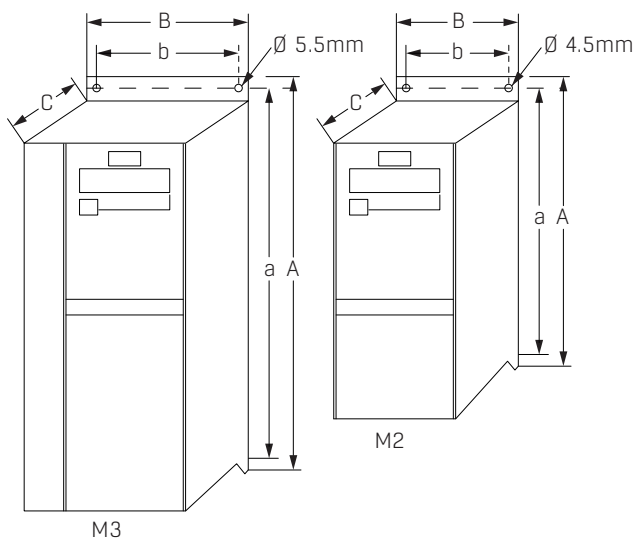


Ready – Steady – Go!
Connect motor and power cables, turn the control knob,
and watch the motor speed change.



RoHS compliant
The VLT® Micro Drive does not contain lead,
cadmium, hexavalent chrome, mercury,
or flame retardant PBB and PBDE.

INVERTER - TECHNICAL & DRAWING DETAILS



Inverter Model	Enc.	Ph.	V	Amps	kW	Power [kW]	Height [mm]	Width [mm]		Depth ¹⁾ [mm]	Max. Weight
						1x200-240 V	A (incl. conversion kit)	B	b	C	kg
6.8	M2	1-3	200-240V	6.8	1.5	1.5	245.6	78	59	144	1.6
9.6	M3	1-3	200-240V	9.6	2.2	2.2	297.5	95	69	210	3

All dimension in mm * For LCP with potentiometer add 7.6mm

INTRODUCING THE WOODS RANGE

- Over 100 years of experience in ventilation
- From the name you can trust
- Providing high quality products
- State of the art manufacturing facilities
- Extensive range of products
- Wide stock available for next day delivery
- British design and manufacture

Woods
A Fläkt Woods Brand



THE **NEW** JM_v THE NEXT GENERATION OF KITCHEN CANOPY FANS



- Lowering energy costs
- Robust design & ridged construction
- World class leading air flow & pressure
- ErP Compliant
- Quick Installation

**GAIN THE AERODYNAMIC
ADVANTAGE** AND SAVE UP
TO 24% ON ENERGY COSTS

THE **WOODS** RANGE FOR *COMPLETE* VENTILATION SOLUTIONS



JMv Aerofoil



MaXfan²



JM Aerofoil



HT JM Aerofoil



JM Bifurcated



Series 33



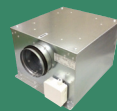
Plate Fans



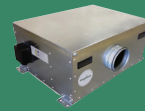
*Cased & Plate
Axial
Accessories*



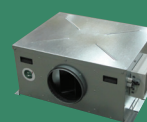
Tube Fans



*Sabina EC
Box Fans*



*Daisho AC
Box Fans*



*Daisho EC
Box Fans*



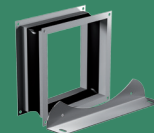
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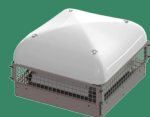
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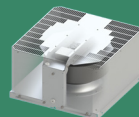
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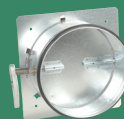
*Tube & Box
Accessories*



*Roof Units
Horizontal*



*Roof Units
Vertical*



*Fire Dampers
ETPR*



Iris Dampers



*Fire Valves
KSOF*



*Valves
Supply KE*



*Valves
Extract KK*



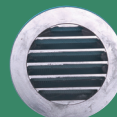
*Valves
Extract VEFS*



*Nozzles DK
& DR*



*Louvres/Cowls
EYMA and DYMA*



*External Louvres
USAV*



Controllers

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



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Fläkt Woods' new Woods range offers over 100 years of experience in ventilation within the UK. The Woods brand formerly Woods of Colchester is one of the most if not THE most recognised name within the UK and the world with regard to ventilation. Since our formation in 1909 we have been a pioneer in ventilation and are a name you can trust and rely on.

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directly to that section



Britstream...

Self selection hoods by Britannia

Beautifully efficient kitchen ventilation:

Consistently high quality manufacture - to ISO 9001:2008 | Super efficient grease removal
Environmental design considerations | Custom made quality - at production-run prices

Britannia
kitchen ventilation



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About Britannia...

Britannia has been servicing the commercial kitchen ventilation market since 1995. Our portfolio contains a long, long list of fully satisfied customers & end-users; a legacy which provides us with a reputation that is second to none. From the largest to the smallest of projects, no effort is spared in finding the right solution to your kitchen ventilation problem.

Since its inception, Britannia has built its reputation upon a team of the industry's most experienced people, with a combined knowledge far surpassing that of our competitors. It is this intimate understanding of the product, the industry & our focus on customer service, which has seen us grow into the UK's market leading supplier of Commercial & Institutional Kitchen Hoods.

Our ethos is simple: We provide a range of products of the highest quality, at very affordable prices, whilst being mindful of the impact their manufacture & use has upon the environment. These key drivers are then solidly backed up by a level of service from our sales & technical teams, which ensures the correct selection & sizing for any given situation.

To advance this service yet further, as well as to facilitate greater control & understanding for our customers, we have developed the range of Britstream Hoods together with this product catalogue to help your selection process. With Britstream, we have put even more control in your hands, without losing any of the back-up & service you have always enjoyed from us and at even more competitive prices!

All Britannia products & services are quality controlled to ISO 9001:2008 under BRE Global surveillance.

All Britannia hoods are manufactured to comply with or exceed the requirements of DW172 & BS 6173.

Britannia is a full member of the Building & Engineering Services Association (formerly the Heating & Ventilation Contractor's Association).

Britannia is B M Trada - compliance certified.

Britannia is CHAS (Contractor Health & Safety Assessment Scheme) accredited.

Britannia is registered with Constructionline.

Britannia is a member of the Coventry Chamber of Commerce.

Britannia is a member of the Confederation of Construction Specialists.

Britannia has the "CodeMark" certificate of conformity confirming compliance with the Building Code of Australia (Issued by SAI Global)

**2 Year
Warranty
on all Britstream
products**

For more information about Britannia, the product range and full literature with case histories, please visit our website:
www.kitchen-ventilation.co.uk



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The Britstream range

The Britstream range of hoods has been developed after years of “in the field” research and development of kitchen hoods. Apart from this real-world in-put, we have extensively tested & retested products at our own facility in Leamington Spa as well as sponsoring many external test procedures on various components. The result of all this work is a hood system based around a group of modularised components which can be configured in multiple ways to create, what to all intents and purposes is a bespoke product. All parts have been designed to achieve a predetermined performance but are specifically not over-engineered. The combination of these properties provides a consistently high quality product, with great flexibility of application and at extremely competitive prices.

- Aesthetics are a priority during design, so all Britstream products look better, cleaner, brighter & proportionally correct for the environment.
- Functional efficiency is paramount and our product range incorporates innovative concepts which help reduce onward running costs in a myriad of ways.
- The range has been carefully designed to provide integral rigidity and to be self supporting - even when disassembled for transportation, so reducing the risks of damage in-transit.
- Only the finest materials, with consistent finish are used in the manufacture process. These are selected & utilised to reflect our concerns for the environment.
- Component sizing has been carefully considered to minimise risk to operatives when lifting, handling & installing.
- Reinforced fixing points have been strategically positioned to minimise site installation times.
- Panels are designed to be rigid so as to prevent drumming.
- Hidden fixings are utilised throughout.

Grease filtration

All Britstream hoods are equipped with Superstream grease filters as standard. Possibly the single-most important aspect of any kitchen ventilation hood, is the grease filtration; poor filtration drastically increases fire risk & maintenance requirements. For this reason, all Britstream canopies utilise our own highly developed ranges of either Superstream or Ultrastream grease filter panels. These have been tested in Germany to VDI 2052-1 and returned exceptional results at all particle sizes (up to 100% at 5.6 microns) but especially at smaller particle sizes (up to 70% at 3.5 microns) where most grease carry-over is caused and where most other filters fail.

Lighting

We have developed the “Britlux” range of light fittings which encompass everything that is important to modern kitchen installations; stylish, flush-fitting, low-energy, highfrequency, white-light, T5 lamps & ballasts. Each twin fitting has a hinged, sealed, toughened stippled-glass diffuser with drop down reflector and lamp array for ease of replacement, maintenance and for access above the canopy during installation. All lights are prewired to a junction box on the canopy and multiple lights are connected using prewired bi-pin moulded plugs to facilitate easy build-up after delivery. All lights are 240V 50Hz and lamp wattages are listed in the catalogue against the hood of your choice.

Supply-air Diffusers

Supply-air is typically delivered through the front, outward facing valance of the hood. We have developed a recessed, perforated diffuser panel arrangement with integral filtration to aid air distribution across the full area of the panel. The panels are then tastefully mounted within the front valance and trimmed above and below by a slim bevelled edge formed from the valance itself. Each panel is easily removed for maintenance and replacement and to gain access during the installation process.

Spot Cooling

For all supply-air applications as standard, fully adjustable spot cooling is incorporated for operator comfort. This directional air is delivered via smart, matt-black, ABS-moulded terminals in the lower front edge of the hood. Each terminal is easily removed for maintenance & replacement.

Materials

Hood assemblies are manufactured from type 304 stainless steel. All visible surfaces are fine grain satin polished to meet food hygiene standards. By special agreement, we can manufacture from other stainless steel sheet materials. Plenum ceilings are manufactured from zinc coated mild steel unless specified to the contrary.



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Products

Click on a product below to go directly to that section:

One ● Pages 05-12

Traditional extract only & supply-air hoods; available in four configurations with standard width or extra wide (for use over ovens).

- OE** Extract only - Standard depth
- OER** Extract only - Reduced depth
- OS2** Extract with front Supply & Spot cooling (2)
- OS2R** Extract with front Supply & Spot cooling (2) - Reduced depth

Capturestream ● Pages 13-20

Airstream-induced capture hoods; available in four configurations with standard width or extra wide (for use over ovens).

- CS1** Extract with induction Supply (1)
- CS3** Extract with front Supply, Spot cooling & induction Supply (3)
- CS1R** Extract with induction Supply (1) - Reduced depth
- CS3R** Extract with front Supply, Spot cooling & induction Supply (3) - Reduced depth

Econex ● Pages 21-28

Super-efficient, low air-movement, ergonomic, environmentally friendly & available in four configurations with standard width, extra wide (for use over ovens) and super wide (for single sided island arrangements).

- EF** Extract only - Front mounted
- EFB** Extract only - Front & Back mounted
- EFS2** Extract - Front mounted with front Supply & Spot cooling (2)
- EFBS2** Extract - Front & Back mounted with front Supply & Spot cooling (2)

Dish Wash ● Page 29

Efficient capture & management of moisture loaded environments in a single, specialist configuration for all typical wash-up arrangements.

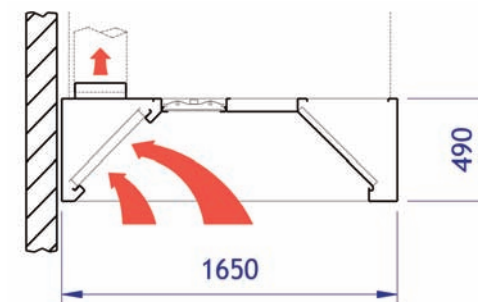
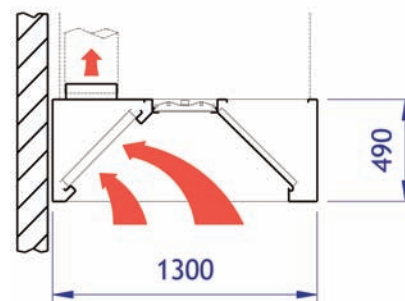
- DWE** Dish Wash Extract



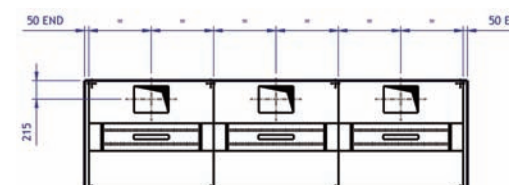
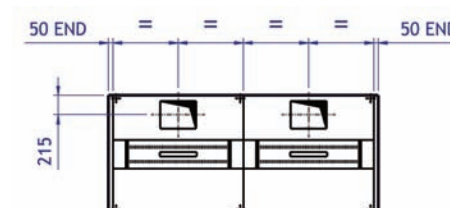
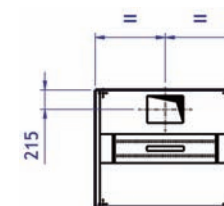


One OE

Extract only - standard depth



Length (mm)	Max. Extract Volume ² (l/s)	Light Fittings	Extract Spigots ¹ (Qty)	Extract Spigot Dimensions (mm)	Max. Supply Volume (l/s)	Supply Spigots ¹ (Qty)	Supply Spigot Dimensions* (mm)	Weight (Kg)
1200	660	1 x 21W Twin Lamp	One	400 x 300	0	None	N/A	80
1375	660	1 x 21W Twin Lamp	One	400 x 300	0	None	N/A	90
1550	880	1 x 28W Twin Lamp	One	500 x 300	0	None	N/A	95
1725	880	1 x 28W Twin Lamp	One	500 x 300	0	None	N/A	105
1900	1100	1 x 35W Twin Lamp	One	600 x 300	0	None	N/A	110
2075	1100	1 x 35W Twin Lamp	One	600 x 300	0	None	N/A	120
2250	1320	1 x 35W Twin Lamp	One	800 x 300	0	None	N/A	125
2425	1320	1 x 35W Twin Lamp	One	800 x 300	0	None	N/A	135
2650	1540	1 x 21W & 1 x 28W Twin Lamp	Two	400 x 300	0	None	N/A	155
2825	1540	1 x 21W & 1 x 28W Twin Lamp	Two	400 x 300	0	None	N/A	165
3000	1760	2 x 28W Twin Lamp	Two	500 x 300	0	None	N/A	170
3175	1760	2 x 28W Twin Lamp	Two	500 x 300	0	None	N/A	180
3350	1980	1 x 28W & 1 x 35W Twin Lamp	Two	600 x 300	0	None	N/A	185
3525	1980	1 x 28W & 1 x 38W Twin Lamp	Two	600 x 300	0	None	N/A	195
3700	2200	2 x 35W Twin Lamp	Two	600 x 300	0	None	N/A	205
3875	2200	2 x 35W Twin Lamp	Two	600 x 300	0	None	N/A	215
4050	2420	2 x 35W Twin Lamp	Two	700 x 300	0	None	N/A	220
4225	2420	2 x 35W Twin Lamp	Two	700 x 300	0	None	N/A	230
4400	2640	2 x 35W Twin Lamp	Two	700 x 300	0	None	N/A	235
4575	2640	2 x 35W Twin Lamp	Two	700 x 300	0	None	N/A	245
4800	2860	2 x 28W & 1 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	260
4975	2860	2 x 28W & 1 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	280
5150	3080	1 x 24W & 2 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	280
5325	3080	1 x 28W & 2 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	300
5500	3300	3 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	295
5675	3300	3 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	315
5850	3520	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	310
6025	3520	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	330
6200	3740	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	325
6375	3740	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	345
6550	3960	3 x 35W Twin Lamp	Three	800 x 300	0	None	N/A	340
6725	3960	3 x 35W Twin Lamp	Three	800 x 300	0	None	N/A	360



(1) Alternative dimensions / sizes are available upon request.

(2) Maximum Extract Volume base upon use of Superstream baffle type grease filter panels.



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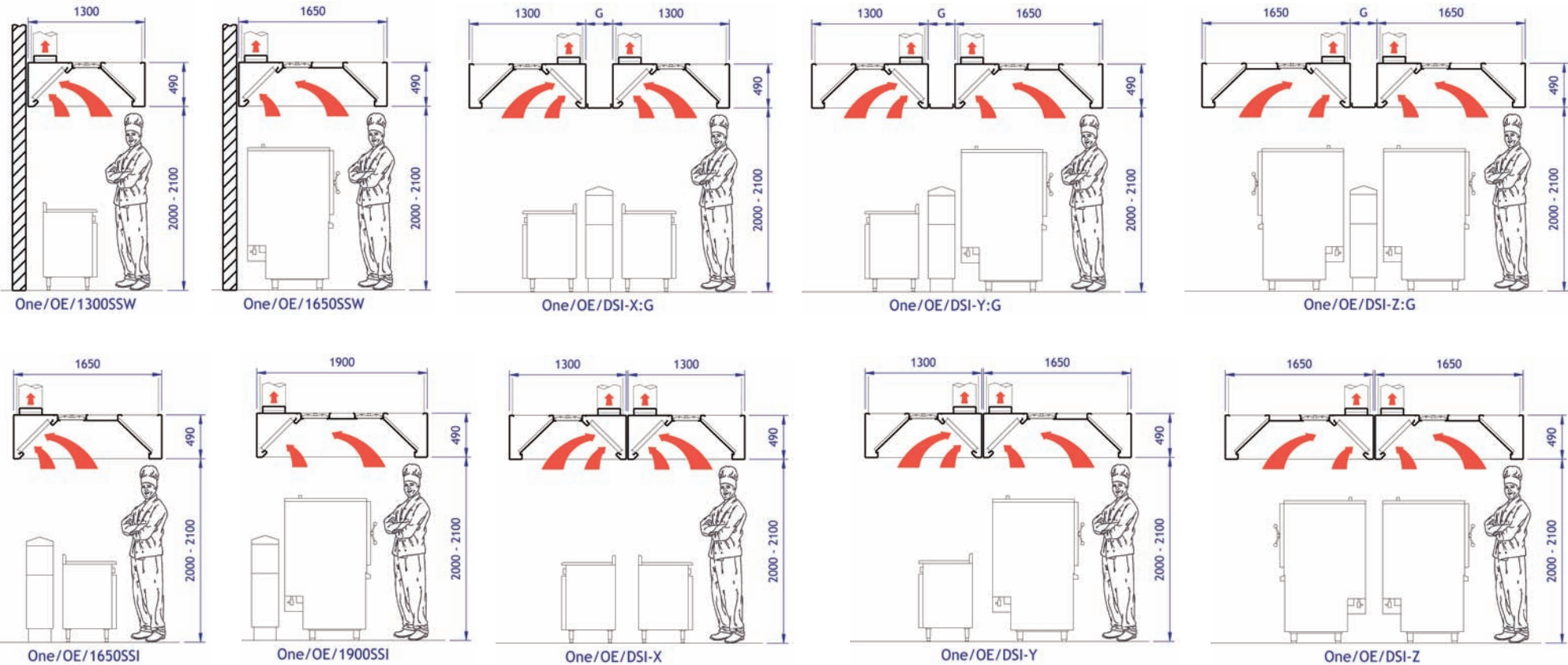
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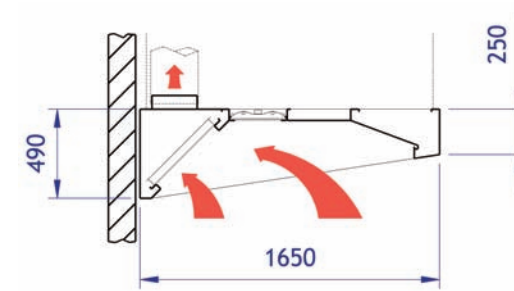
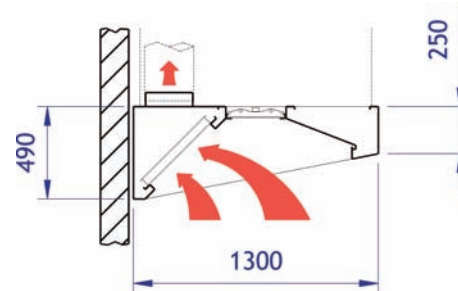
Wall and island hood configurations



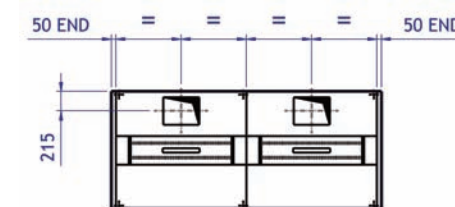
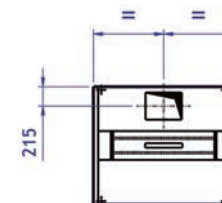


One OER

Extract only - reduced depth



Length (mm)	Max. Extract Volume ² (l/s)	Light Fittings	Extract Spigots ¹ (Qty)	Extract Spigot Dimensions (mm)	Max. Supply Volume (l/s)	Supply Spigots ¹ (Qty)	Supply Spigot Dimensions* (mm)	Weight (Kg)
1200	660	1 x 21W Twin Lamp	One	400 x 300	0	None	N/A	80
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3175	1760	2 x 28W Twin Lamp	Two	500 x 300	0	None	N/A	180
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3875	2200	2 x 35W Twin Lamp	Two	600 x 300	0	None	N/A	215
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4975	2860	2 x 28W & 1 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	280
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5325	3080	1 x 28W & 2 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	300
5500	3300	3 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	295
5675	3300	3 x 35W Twin Lamp	Three	600 x 300	0	None	N/A	315
5850	3520	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	310
6025	3520	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	330
6200	3740	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	325
6375	3740	3 x 35W Twin Lamp	Three	700 x 300	0	None	N/A	345
6550	3960	3 x 35W Twin Lamp	Three	800 x 300	0	None	N/A	340
6725	3960	3 x 35W Twin Lamp	Three	800 x 300	0	None	N/A	360



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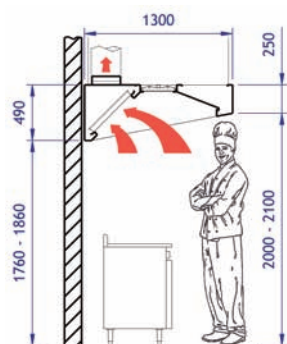
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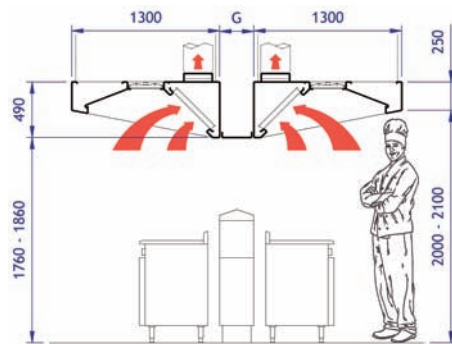
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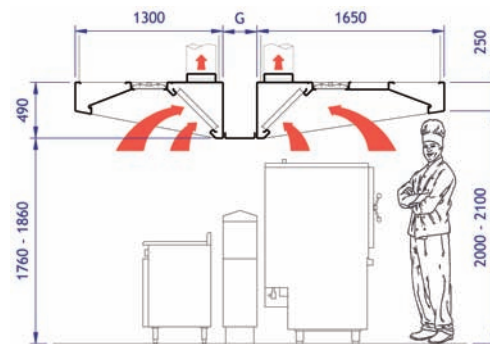
Wall and island hood configurations



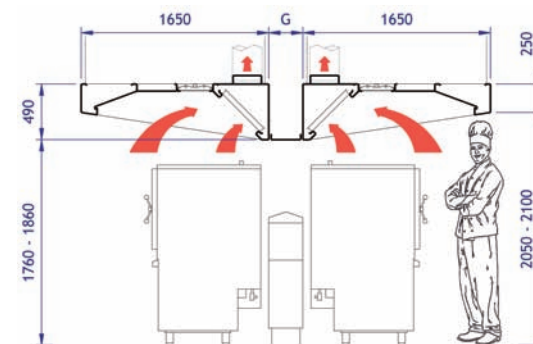
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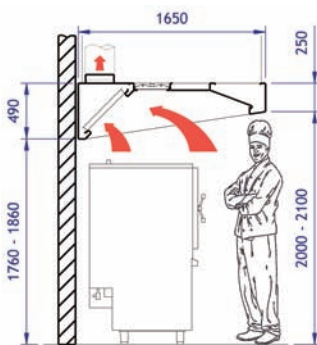
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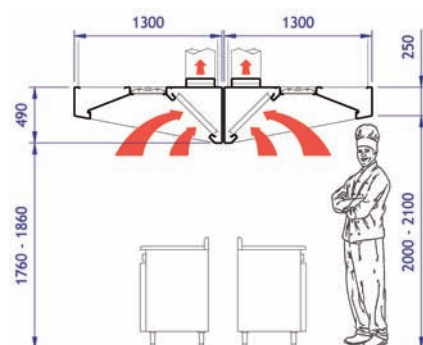
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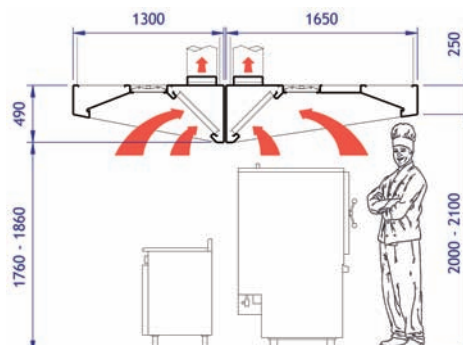
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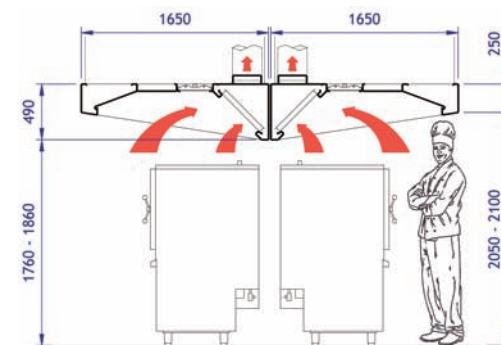
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