

Taste of India Restaurant
45 High Street
Emsworth
PO10 7AL

14/02/2023

Specification of the existing extraction system at the above address

Stainless steel 304 grade extraction canopy c/w stainless steel baffle grease filters,
grease collection trays, welded corners .

Galvanised Ductwork to DW142

The fan is an Soler Palau TCCB X 2/4-500L single phase fitted into the ductwork,
with anti-vibration mounting feet.

There is a STL10 speed controller installed as well.

The ductwork runs from top of the kitchen canopy ,through flat roof area , goes up
approximately 2500mm

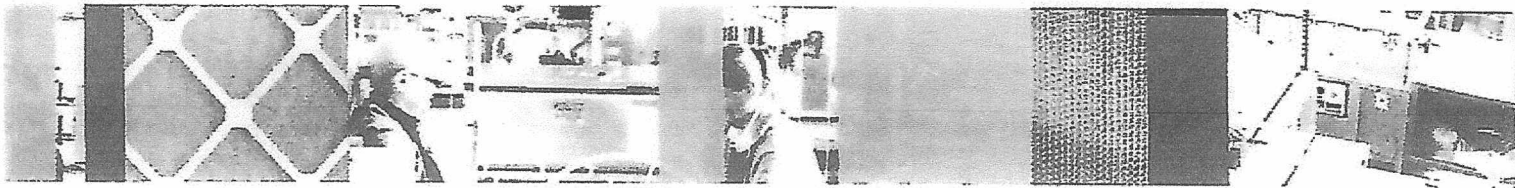
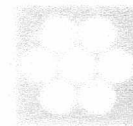
Terminates with a high velocity upward discharge cowl, all fitted on anti vibration
mounting feet as required.

There is also an acoustic 500 diameter unpodded silencer installed.

The extraction system is interlocked to the gas supply to BS 6173, also there is a a
fresh air intake system bringing in 85% clean air, interlocked to the gas supply, also
has filter panel for clean air and ease of maintenance.

Please find attached specification sheets for this job

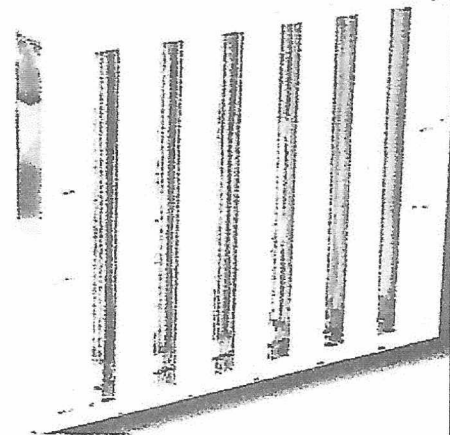
Regards Glenn Archdale (director)



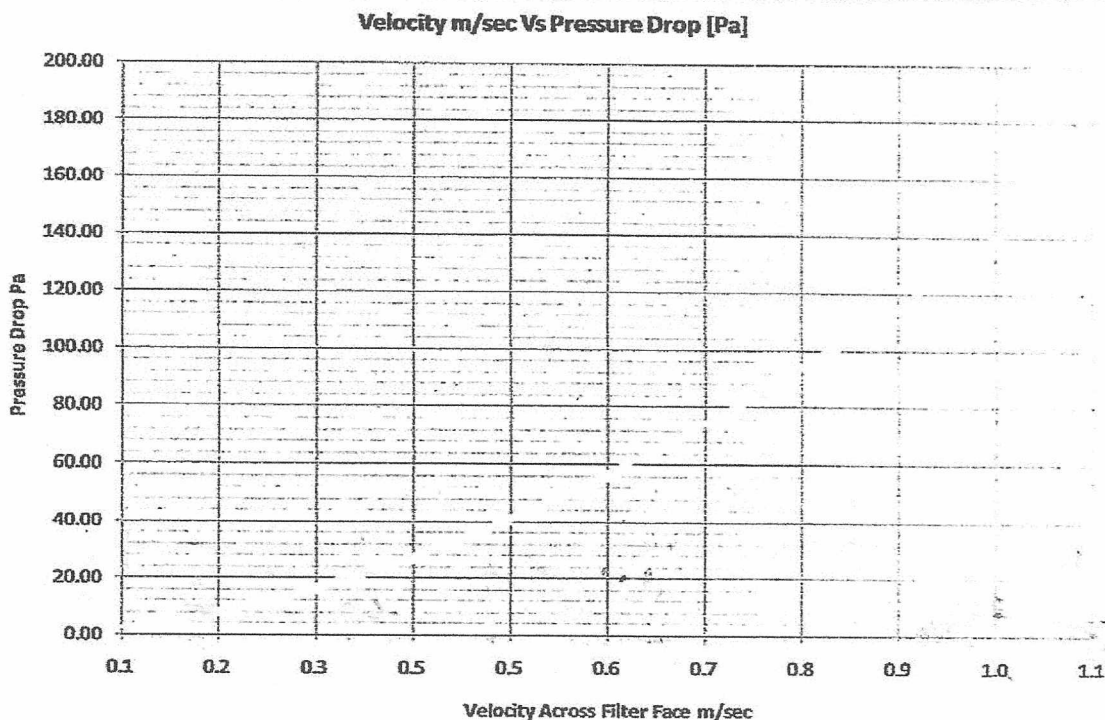
These filters are designed for use in commercial kitchens and ventilation from food preparation areas where their primary function is to prevent flame from travelling from the cooking area up into the extract duct.

These filters are manufactured by rolling stainless steel to create a series of baffle plates which are welded onto a sub frame. The sub frame is then wrapped with the outer frame.

- Strong Double frame construction
- Scratch Free outer surface
- Bright Polished Surface
- Fold down handles
- Drain Holes
- Rolled Safety Edges
- Low Pressure Drop
- Ex-Stock Delivery



- Stainless Steel to Specification BS1449(2)
- Bright Polished Surface



Air Movement Supplies Limited

Unit 2, Marshlands Road Industrial Estate, Farlington, Portsmouth, PO6 1ST

Tel: 02392 201930 Fax: 02392 201931

Email: sales@airmovementsupplies.com web: www.airmovementsupplies.com

TYPE R4 ATTENUATOR STATIC INSERTION LOSS

LENGTH MM	HZ 63	125	250	500	1000	2000	4000	8000
600	5	8	12	23	30	30	23	18
900	6	10	16	30	37	37	30	24
1200	7	13	22	38	47	47	40	29
1500	8	16	26	42	49	49	45	32
1800	9	18	31	46	50	50	47	34
2100	11	20	36	50	50	50	50	41
2200	12	22	40	50	50	50	50	47

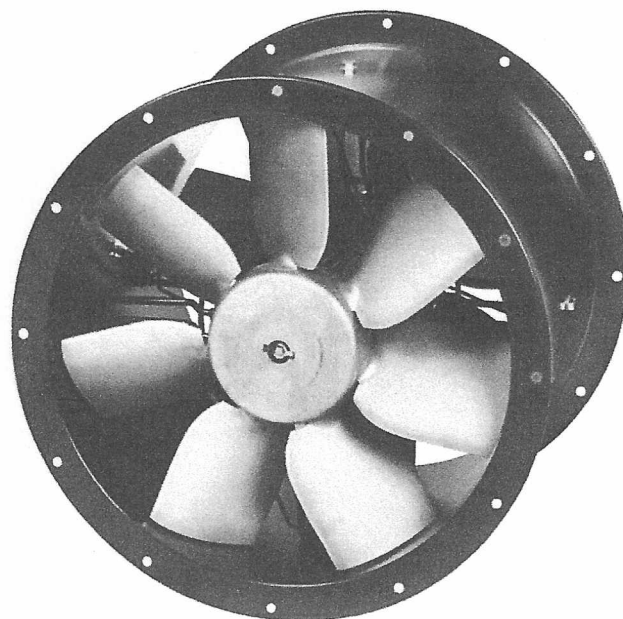
SILENCER

ALL UNITS OVER 1500 MM LENGTH ARE SUPPLIED IN 2 PARTS, COMPLETE WITH CLAMPS FOR SITE ASSEMBLY BY OTHERS

ALL ORDERS ARE SUBJECT TO OUR TERMS AND CONDITIONS OF TRADING AND CARRIAGE. E & OE.

Company registration number 4310038. Registered at: Hound Nursery, Hamble Lane, Netley Abbey, Southampton, SO31 5FT

CONTRA-FOIL™ contra-rotating cased axial flow fans (aluminium impellers)



Range of cylindrical cased axial fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against **corrosion by cataforesis primer and black polyester paint finish.**

Fitted with **2 contra-rotating complementary impellers** manufactured from die-cast aluminium.

All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access.

Available with single or three phase 4 poles motors.

Motors

All the motors are **IP65**, Class F insulation (1), equipped with **thermal protection.**

Single phase motor Speed controllable up to 560mm*

(*560mm must be three wire controlled and must not exceed 55° ambient temperature) Three phase motors suitable for inverter control.

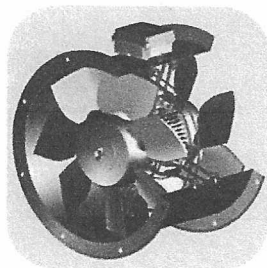
Electrical supplies:

Single phase 230V-50Hz. (Capacitor located inside the wiring terminal box).

Three phase 400V-50Hz

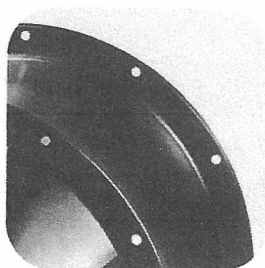
(1) Working temperatures from -40°C up to 70°C.

Contra-rotating: High pressure



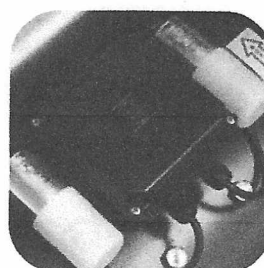
Contra-rotating system with two complementary impellers **allowing the duplication of the pressure** with the same air volume

Corrosion resistance



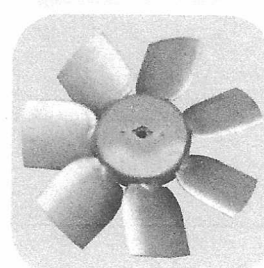
Rolled steel casings and motor support **protected by cataforesis primer and black polyester paint finish.**
Stainless steel screws

Terminal box



Wiring **terminal box** with cable gland PG-11

Impeller dynamically balanced



Impellers are dynamically balanced, according to ISO 1940 standard, giving vibration free operation

Technical characteristics

Before installation check that the product electrical characteristics listed on the data plate label (Voltage, power, frequency etc) match those of the intended electrical supply.

Code	Model	Diameter $\varnothing$ (mm)	Speed (r.p.m.)	Maximum Power (kW)	Max. Current (A)	Maximum Air Volume (m ³ /h)	Weight (Kg)	Speed Controller
------	-------	-----------------------------------	-------------------	--------------------------	---------------------	--	----------------	---------------------

ContraFoil Contra-Rotating Cased axial flow fans (Aluminium impellers)

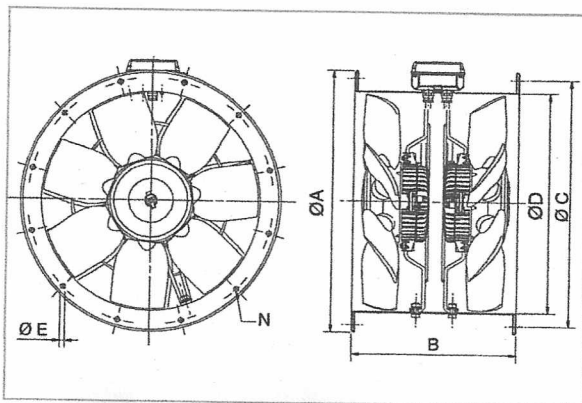
Single phase

230V								
5605384600	TCBBx2/4-450	450	1370	1.24	5.40	6900	42	REB-6
5605385300	TCBBx2/4-500	500	1150	1.40	6.20	8000	50	REB-8
5605751300	TCBBx2/4-500E	500	1375	1.90	8.70	9500	54	REB-10
5605760400	TCBBx2/4-560L	560	1425	2.75	12.30	11800	66	REB-12
5605386100	TCBBx2/4-560	560	1340	3.25	15.50	14300	66	REB-16
5605387900	TCBBx2/4-630	630	1280	3.90	19.00	18200	80	

Three phase

400V								
5605380400	TCBTx2/4-450	450	1400	1.25	3.40	6900	42	RMT-5
5605381200	TCBTx2/4-500	500	1340	1.75	3.60	9400	50	RMT-5
5605382000	TCBTx2/4-560	560	1360	3.12	5.80	14300	66	RMT-8
5605383800	TCBTx2/4-630	630	1370	4.20	8.00	18200	80	RMT-12

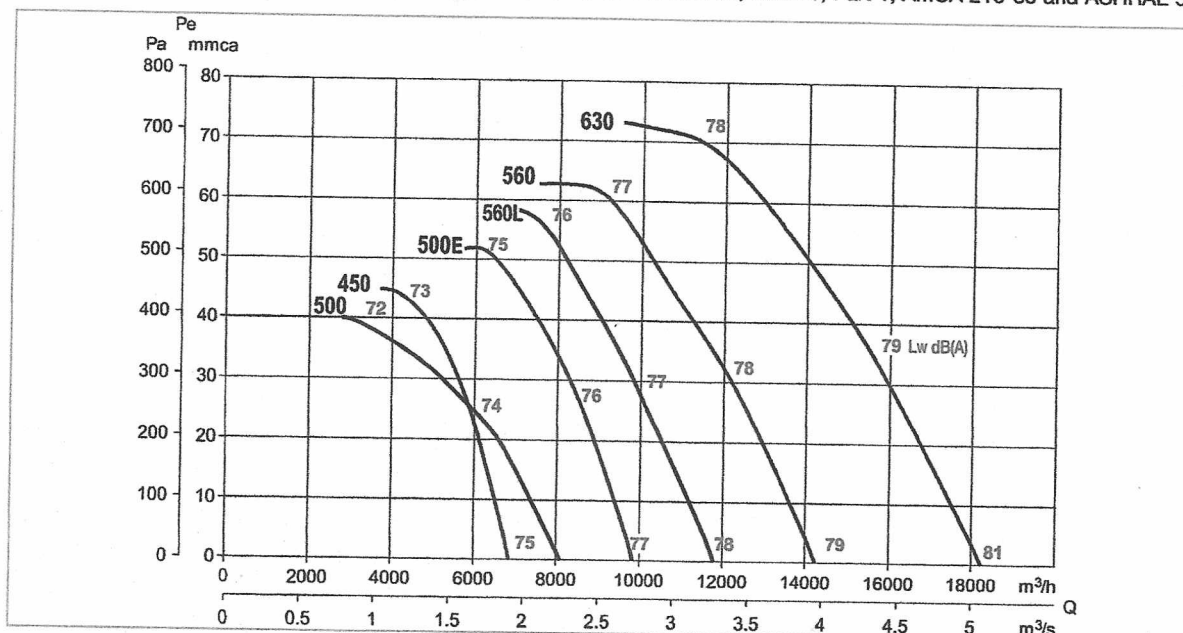
Dimensions (mm)



Model	$\varnothing A$	B	$\varnothing C$	$\varnothing D$	$\varnothing E$	Number of holes N
450	537	375	500	450	12	8
500	595	375	560	500	12	12
500E	595	520	560	500	12	12
560/560L	655	520	620	560	12	12
630	725	520	690	630	12	12

Performance curves

- Q = Air volume in, m³/hr and m³/s.
- Pe = Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848, Part 1; AMCA 210-85 and ASHRAE 51-1985.



PRODUCT CODE	WEIGHT RANGE	NOMINAL DEFLECTION
VT/0 - BLUE	2.5 to 5.0 Kg.	3.0 mm
VT/0 - YELLOW	4.0 to 8.0 Kg.	3.0 mm
VT/0 - GREEN	7.0 to 14.0 Kg.	3.0 mm
VT/0 - WHITE	9.0 to 18.0 Kg.	3.0 mm
VT/1 - BLUE	9.0 to 18 Kg.	4.0 mm
VT/1 - YELLOW	14 to 28 Kg.	4.0 mm
VT/1 - GREEN	20 to 40 Kg.	4.0 mm
VT/1 - WHITE	27 to 54 Kg.	4.0 mm
VT/1 - RED	36 to 72 Kg.	4.0 mm
VT/2 - BLUE	18 to 60 Kg.	5.0 mm
VT/2 - GREEN	54 to 108 Kg.	5.0 mm
VT/2 - WHITE	90 to 180 Kg.	5.0 mm
VT/2 - RED	135 to 270 Kg.	5.0 mm
VT/2 - BLACK	180 to 360 Kg.	5.0 mm
VT/3 - BLUE	9.0 to 18 Kg.	9.0 mm
VT/3 - YELLOW	14 to 28 Kg.	9.0 mm
VT/3 - GREEN	20 to 40 Kg.	9.0 mm
VT/3 - WHITE	27 to 54 Kg.	9.0 mm
VT/3 - RED	36 to 72 Kg.	9.0 mm
VT/4 - BLUE	18 to 60 Kg.	10.0 mm
VT/4 - GREEN	54 to 108 Kg.	10.0 mm
VT/4 - WHITE	90 to 180 Kg.	10.0 mm
VT/4 - RED	135 to 270 Kg.	10.0 mm
VT/4 - BLACK	180 to 360 Kg.	10.0 mm

RESEARCH AND DEVELOPMENT IS ONGOING & UNLESS STAMPED CERTIFIED (VALIDITY 3 MONTHS) THIS DATA SHEET IS ONLY CORRECT AT DATE OF ISSUE.

ANTI - VIBRATION
MOUNTS

Website Feature
Xtant Des
www.dv8-w

Roof hood

HF



Description

Ventilation hood for air exit above roof, suitable for both industrial and comfort ventilation. The air is ejected in an upwards-directed jet. This avoids contaminating the air in the vicinity of the hood, and soiling of the area around the hood. The ejection is so effective that you can install a fresh air inlet in the immediate vicinity of the hood, without any special precautions.

The hood is made of galvanised sheet steel, and can also be supplied in other materials such as stainless steel sheet 1.4301, stainless acid-resistant steel sheet 1.4404, aluzinc AZ185 and painted in various colours, to special order. It has a net over the opening and an internal rain funnel to collect rainwater and snow, which is drained out of the hood through a hose. The hose can withstand temperatures of between -45 and +65 °C.

The hood has a flange connection, which includes a mating flange. The hood can be ordered with other connections, however.

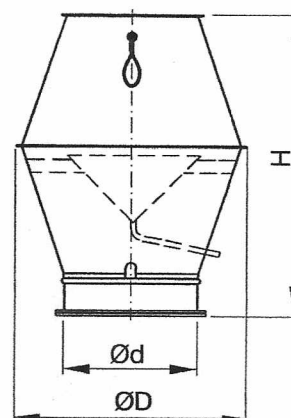
To avoid damage to the net in the opening the hood is supplied with transport protection. This must be removed before the hood is taken into service.

The hood is delivered with three turnable lifting and anchoring wire-loops. A single wire-loop shall not be exposed for forces exceeding 1500 N.

Ordering example

Product HF 630
 Dimension Ød

Dimensions



Ød nom	ØD mm	H mm	m kg	Roof through connection TGR	
				50 mm	100 mm
				Size	
400	685	905	11,1	5	6
500	855	1055	20,0	6	7
630	1075	1295	38,0	8	9
800	1360	1640	63,0	9	10
1000	1600	2110	89,1	11	12
1250	2020	2615	118	14	15

Technical data

