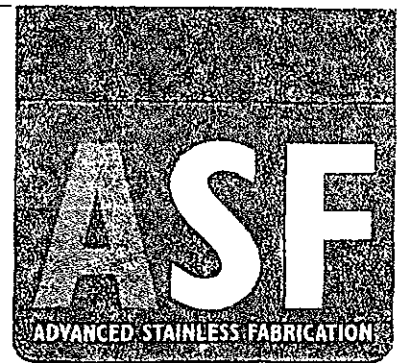




Our Ref: JL/AS/1710

t +44 (0)114 272 3939

f +44 (0)114 272 6161

17th October 2008

Mr Asgari
97 High Street
Wombwell
Barnsley
S73 8HS

Dear Sirs

Ref: 3 High Street, Dodsworth

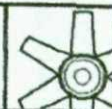
The proposed canopy would be of stainless steel construction measuring 3000mm long x 1200mm deep x 600mm high, comprising of 4 No. 500 x 500 Baffle Type Grease Filters. The extract for the canopy would be 450Dia ducting, exiting the rear of the building and terminating 1m above the eaves. Fitted inline with the ductwork would be a 450Dia long case fan giving a volume flow rate of 1.75m³/s and a break out noise of 56 d.b.a. at 3m. Fitted to the top of the duct would be a high velocity jet cowl.

All data sheets for the fans and filters are enclosed.

Assuring you of our best attention at all times.

Yours faithfully
ADVANCED STAINLESS FABRICATION

J Lee



450 Ø

Fan Data

L-AX - Axial Circular 4 Pole, GRP Blades
Circular Cased Axial Fan

Fan Code: L-AX45D-451
 Fan Speed: 4 Pole 1,410 RPM
 Electrical Supply: 1 Phase
 Motor Power: 0.37 kW
 Motor Current: flc: 3.344 A
 Motor Current: sc: 11.2 A
 Blade Angle: 45°
 Max. Operating Temp.: 55°C

Whilst the information given on this data sheet is fan specific, it is in summary and reference to the product selection catalogue and installation & maintenance documents is recommended.

Due to our policy of ongoing product development and continuous improvement, we reserve the right to make technical changes without prior notice.

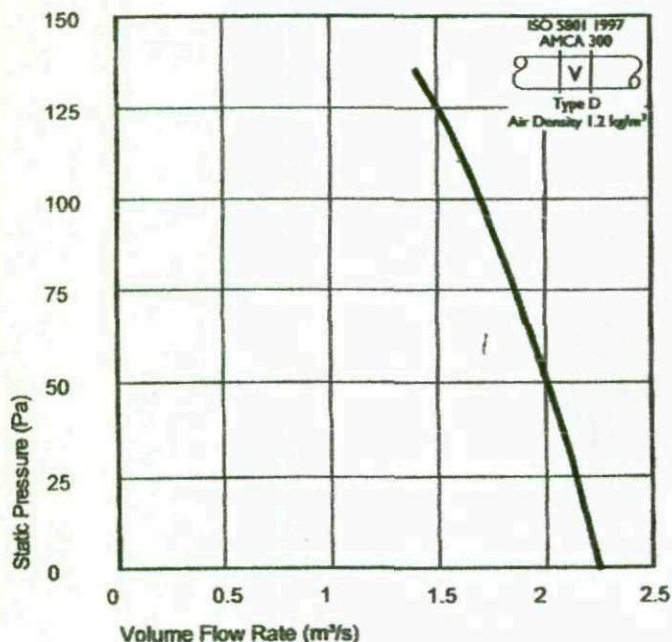
Sound Data

Breakout Noise (dBA): 56 dBA @ 3m (25% of Max Pa)
 Breakout Noise (dBA): 55 dBA @ 3m (90% of Max Pa)
 Breakout level is hemi-spherical. For spherical deduct 3 dBA.
 Sound Power Levels re 1 pWatts (Hz):

Hz	125	250	500	1k	2k	4k	8k
Induct Inlet(90%)	75	79	74	70	66	61	58
Induct Outlet(90%)	84	94	78	72	67	61	57
Open Inlet(90%)	69	76	73	70	66	61	58
Open Outlet(90%)	79	91	77	71	67	61	57
Breakout(90%)	76	84	69	59	55	45	36
Induct Inlet(25%)	75	81	73	70	66	61	56
Induct Outlet(25%)	85	96	75	70	68	63	56
Open Inlet(25%)	69	78	72	70	66	60	56
Open Outlet(25%)	81	93	74	70	68	63	56
Breakout(25%)	76	86	67	58	55	46	34

Above noise measured at stated percent of maximum working pressure.

Performance Curve



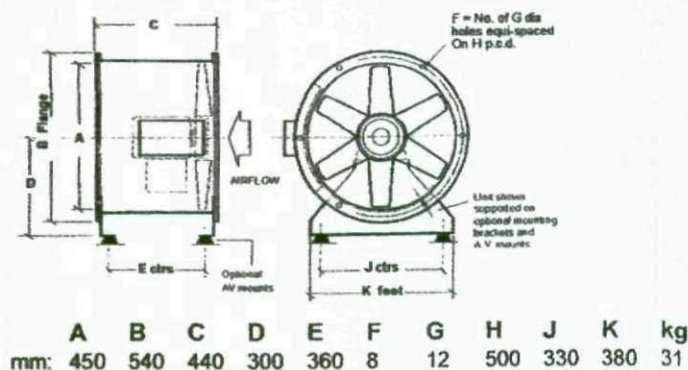
Selected Ancillaries

1 x L-NAV2 Anti-vibration mounting kit
 1 x L-CMB45 Mounting bracket (pair)
 2 x L-CMF45 Matching flange
 2 x L-CFC45 Flexible connector

Specification

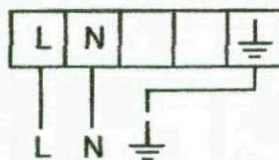
Circular inline axial flow fan manufactured from galvanised steel. Fan incorporates inlet and outlet flanges with pre-drilled bolt holes, and an external terminal box to IP55. The motor is totally enclosed and protected to IP55, foot mounted class 'F' insulated and has sealed for life ball bearings. Blades manufactured from injection moulded GRP mounted in a die cast aluminum alloy hub as standard.

Fan Dimensions



Wiring Information

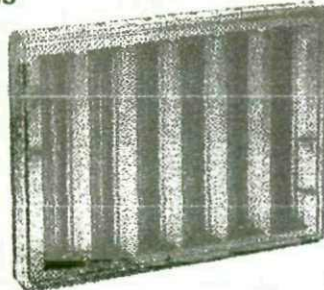
This is a guide only. Please refer to the installation manual.



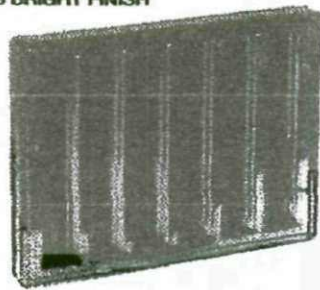
230V 1 phase 50Hz supply

standard duty grease filters

S/S

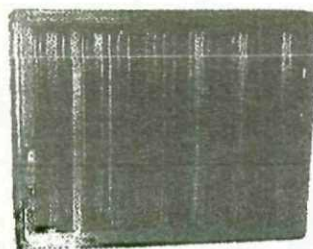


S/S BRIGHT FINISH

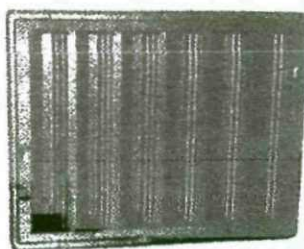


HEIGHT & WIDTH SIZE: INCHES (mm)	QTY & CARTON	STAINLESS STEEL		STAINLESS STEEL BRIGHT FINISH	
		MODEL NO.	LBS/CTN	MODEL NO.	LBS/CTN
10 x 16 (250 x 400)	12PCS	FS50-1016-HD	30.1	FS50-1016-BA	30.1
12 x 16 (300 x 400)	12PCS	FS50-1216-HD	34.1	FS50-1216-BA	34.1
16 x 16 (400 x 400)	6PCS	FS50-1616-HD	25.5	FS50-1616-BA	25.5
20 x 16 (500 x 400)	6PCS	FS50-2016-HD	28.8	FS50-2016-BA	28.8
10 x 20 (250 x 500)	12PCS	FS50-1020-HD	39.3	FS50-1020-BA	39.3
12 x 20 (300 x 500)	12PCS	FS50-1220-HD	43.3	FS50-1220-BA	43.3
16 x 20 (400 x 500)	6PCS	FS50-1620-HD	28.8	FS50-1620-BA	28.8
20 x 20 (500 x 500)	6PCS	FS50-2020-HD	34.1	FS50-2020-BA	34.1
25 x 20 (625 x 500)	6PCS	FS50-2520-HD	41.3	FS50-2520-BA	41.3
16 x 25 (400 x 625)	6PCS	FS50-1625-HD	34.7	FS50-1625-BA	34.7
25 x 16 (625 x 400)	6PCS			FS50-2516-BA	34.7
20 x 25 (500 x 625)	6PCS	FS50-2025-HD	41.3	FS50-2025-BA	41.3

ALUMINUM



GALVANIZED STEEL



HEIGHT & WIDTH SIZE: INCHES (mm)	QTY & CARTON	ALUMINUM		GALVANIZED STEEL	
		MODEL NO.	LBS/CTN	MODEL NO.	LBS/CTN
10 x 16 (250 x 400)	12PCS	FA30-1016-HD	17.6	FG35-1016-HD	31.4
12 x 16 (300 x 400)	12PCS	FA30-1216-HD	20.2	FG35-1216-HD	35.4
16 x 16 (400 x 400)	6PCS	FA30-1616-HD	12.9	FG35-1616-HD	26.1
20 x 16 (500 x 400)	6PCS	FA30-2016-HD	15.6	FG35-2016-HD	29.4
10 x 20 (250 x 500)	12PCS	FA30-1020-HD	21.1	FG35-1020-HD	40.7
12 x 20 (300 x 500)	12PCS	FA30-1220-HD	24.4	FG35-1220-HD	44.6
16 x 20 (400 x 500)	6PCS	FA30-1620-HD	15.6	FG35-1620-HD	29.4
20 x 20 (500 x 500)	6PCS	FA30-2020-HD	19.8	FG35-2020-HD	35.4
25 x 20 (625 x 500)	6PCS	FA30-2520-HD	23.5	FG35-2520-HD	42.6
16 x 25 (400 x 625)	6PCS	FA30-1625-HD	20.2	FG35-1625-HD	36.0
25 x 16 (625 x 400)	6PCS			FG35-2516-HD	36.0
20 x 25 (500 x 625)	6PCS	FA30-2025-HD	23.5	FG35-2025-HD	42.6

NOTE: FIRST TWO NUMBERS OF SIZE INDICATE VERTICAL HEIGHT. SECOND TWO NUMBERS REPRESENT HORIZONTAL WIDTH, BOTH ARE NOMINAL DIMENSIONS. ACTUAL SIZE OF FILTERS ARE 7/16" (11mm) LESS THAN NOMINAL. NOMINAL THICKNESS IS 2" (50mm). ACTUAL THICKNESS IS 1-3/4" (44mm). STANDARD PACKAGE CONSISTS OF SIX FILTERS.



GREASE DEFENDER™

BAFFLE TYPE GREASE FILTERS
PATENT 6840975

STANDARD COMMERCIAL SIZES

STAINLESS STEEL & S/S BRIGHT FINISH

For tough commercial applications and maximum permanent protection against rust and corrosion

ALUMINUM

Lightweight for ease of handling

GALVANIZED STEEL

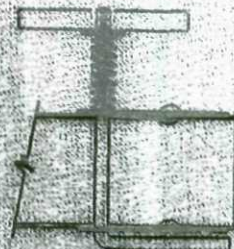
for strong rugged performance, superb corrosion resistance and absolute low cost

- UNIQUE "ROLL LOCK" CAN SEAM DESIGN MAKES GREASE DEFENDER THE MOST DURABLE FILTER ON THE MARKET
- WILL NOT FLEX OR TWIST LIKE OTHER FILTERS EVEN AFTER REPEATED DROPPING
- SAFE, DEPENDABLE, POSITIVE FLAME BARRIER PROTECTION
- SEAMLESS, SMOOTH SURFACES PERMIT CONSTANT GREASE RUN-OFF INTO HOOD COLLECTION TROUGHS...EASILY CLEANED BY SOAKING, SPRAYING OR IN CONVENTIONAL DISHWASHERS



COMPONENT HARDWARE GROUP GREASE FILTER CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. AS TYPE "A" MATERIAL AFTER EXPOSURE TO GREASE LADEN AIR AT 100°F FOR 100 HOURS (N) ACCORDING TO UL 94B-1. APPROVED BY THE U.S. DEPARTMENT OF LABORATORY.

ALL FILTERS ARE SUPPLIED WITH HANDLES. FILTERS WITH LOCKING HANDLES ARE AVAILABLE TO COMPLY WITH SANITARY REQUIREMENTS AND WASHINGTON D.C. SPECIFICATIONS FOR COMMERCIAL HOODS. TO ORDER STATE SIZE AND FINISH. PRICE LIST ON ALUMINUM. FOR GALVANIZED STEEL, POST-PURCHASE STEEL.



REPLACEMENT LOCKING HANDLES ARE AVAILABLE IN PAIRS. SPECIFY MODEL NO. P40-000 WHEN ORDERING.