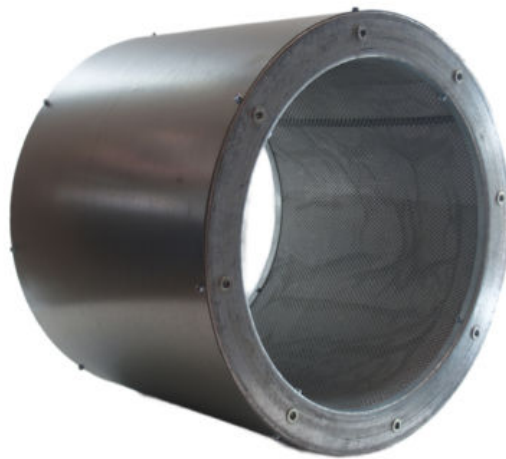




CDA 450 X 1D STRAIGHT THROUGH SILENCER

Flakt Woods, Helios, Systemair, Vent-Axia, Ziehl-Abegg,

▼ Prices & Options



Overview



450mm dia x 450mm long straight through silencer (generally reduces a fan noise level by 7 – 10dB (A)* Can be supplied to either bolt directly to any manufacturer of cased axial or with spigots to mount inline with ducting.

The addition of this silencer to a system will act in the same way a silencer does on a car, so if you've ever heard a car with no silencer fitted, this gives you an idea of the impact a silencer can have on a system.

Please Note — for a straight through silencer to work to have the maximum impact on a system, a silencer should be fixed either side of the fan, this will give 3 benefits to the overall noise level of the system.

1. System side (usually the noise level inside a building) noise level is reduced
2. Atmospheric side (usually the noise level outside a building) noise level is reduced
3. The breakout from the fan is reduced, this could be a big factor depending where the fan is fitted, such as a false ceiling in a class room or office area

*Noise is a complicated medium to get right, if in doubt or you have specific target levels to achieve, please contact us via any means you feel comfortable with and we'll find a solution to your problem

PRICES & OPTIONS

Code & Description	Price
cda450 x 1 d straight through silencer : CDA 450 x 1D straight through Silencer	
BUY	

We accept :

VISA

MasterCard

Maestro

PayPal

15% DISCOUNT WITH CODE 'WELCNFAN1'

Note: Code can only be used once per customer

RELATED PRODUCTS



45JM/16/4/5/30/1PH LONG CASED AXIAL FLOW FAN BY FLAKT WOODS

Flakt Woods,

▼ Prices & Options



Overview



Performance



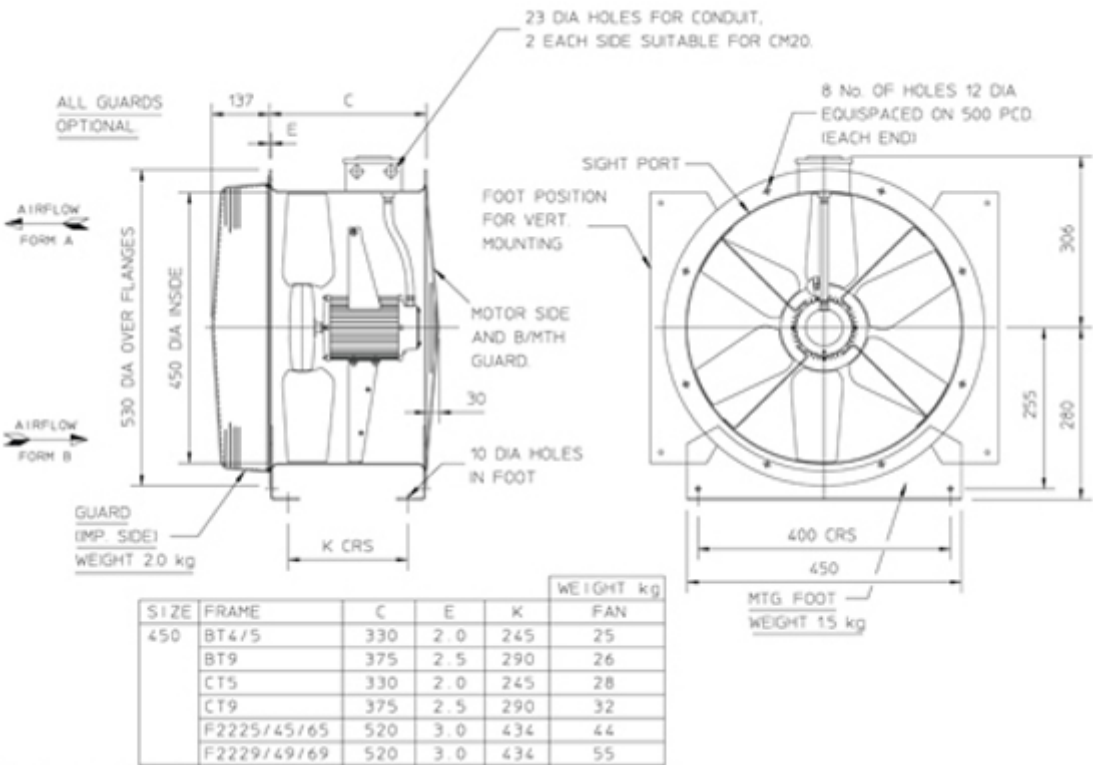
Accessories



Technical Details



Dimensions



Notes : Dimensions shown in mm / Weight in kg

Wiring Diagrams

How Loud Is It

PRICES & OPTIONS

Code & Description	Price
EJ461466 : 45JM/16/4/5/30/1PH Long Cased Axial Flow Fan by Flakt Woods	
BUY	

We accept :    

15% DISCOUNT WITH CODE 'WELCNFAN1'



45JM/16/4/5/30/1PH LONG CASED AXIAL FLOW FAN BY FLAKT WOODS

Flakt Woods,

▼

Prices & Options



Overview	▼
Performance	▼
Accessories	▼
Technical Details	▼

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	75	74	70	68	64	63	59	55	79	50
Outlet*	76	74	70	68	64	63	60	56	79	50
Breakout*	66	56	48	45	39	35	38	32	67	28

* Lw dB re 10⁻¹² W ** dBA re 2x10⁻⁵ Pa

2/8

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

Dimensions



Wiring Diagrams



How Loud Is It



PRICES & OPTIONS

Code & Description	Price
EJ461466 : 45JM/16/4/5/30/1PH Long Cased Axial Flow Fan by Flakt Woods	
BUY	

We accept :

VISA

MasterCard

Maestro

PayPal

15% DISCOUNT WITH CODE 'WELCNFAN1'

Note: Code can only be used once per customer

RELATED PRODUCTS



45JM/16/4/5/30/1PH LONG CASSED AXIAL FLOW FAN BY FLAKT WOODS

Flakt Woods,

▼ Prices & Options



Overview



The Flakt Woods JM axial flow extract fan range of cost effective highest quality long cased axials.

We think this product is the World's best axial fan, and our recommended number one choice for every industrial and commercial application

The build quality and reliability are the highest we have ever experienced with fans still running since the range was introduced in the early 1990's

Every time you fit this fan you know you've made the right choice, it will enhance your reputation for only using the best quality products

- Supplied fully assembled
- Fully speed controllable
- Can be used in any non hazardous environment (also available for hazardous application on request)
- Suitable in temperatures from -40°C to 50°C (70°C in some instances, please ask for details)
- Low to high air volumes
- Low to high static pressures
- Available sizes 315mm – 710mm from stock
- 800mm – 1000mm made to order, ring for availability
- 1000mm + check for availability
- The Casings are spun sheet steel, then hot dipped galvanised to give a finish highly resistant to corrosion and can be mounted external and internal
- The impeller (the bit that goes around and moves the air) is manufactured die cast aluminium
- The motors are totally enclosed with class F insulation with protection to IP55.

Performance



Accessories



Technical Details



Dimensions



Wiring Diagrams



How Loud Is It



PRICES & OPTIONS

Code & Description	Price
EJ461466 : 45JM/16/4/5/30/1PH Long Cased Axial Flow Fan by Flakt Woods	
BUY	

LONGAR® Type 8

Activated Carbon Filters



LONGAR® TYPE 8 FEATURES:

- High grade carbon / High carbon content / Low pressure loss
- Robust modular construction
- Carbon Unit or panel format / Standard and Custom sizes available
- CNC manufactured / Precision products every time

APPLICATIONS

- Reduction of Cooking Odours
- Removal of Kerosene Exhaust Fumes
- General Odour Reduction
- Neutralisation of Ammonia and its Derivatives
- Removal of Formaldehyde
- Removal of Airborne Pollutants and Contaminants
- Removal of Acid Gases (please enquire as to specific contaminant)

LONGAR® TYPE 8 ACTIVATED CARBON FILTERS

Activated carbon has for many years been used to remove airborne noxious fumes and gases. Its origins date back to the First World War, when gas masks were first filled with Activated carbon to remove chlorine gas. Today Longar produces a wide range of carbon filters to deal with a variety of air pollution scenarios.

There are many situations where carbon filtration is used to eliminate toxic or offensive odours, some of these are sewage works, hospitals, slaughterhouses, restaurant kitchens, airports, toilets, wash rooms, laboratories, and office blocks.

PRE FILTRATION

Carbon filters are designed to remove fumes and odours, they are not suitable for removing dust and fine particles. If left unprotected, the life of the carbon product is severely reduced. To protect the filters use the correct pre filtration. If you are unsure please enquire for further information.

LONGAR® TYPE 8 ACTIVATED CARBON PANELS

The Activated carbon panel are sealed into a galvanised steel frame; a scrim is then added to protect the carbon surface from dust contamination. Sealing the carbon panel stops any air by-pass; our panels are manufactured using CNC technology to ensure precision manufacture with exact tolerances.

Our panels are the strongest on the market place with a wide range of standard sizes available, custom sizes are also available on request.

LONGAR® TYPE 8 ACTIVATED CARBON UNITS (ACU)

For a modular approach to fume removal the ACU is the ideal solution. The ACU unit is manufactured from a number of carbon panels held in place by a CNC made corrosion proof metal casing. The carbon panels inside the units are 25mm thick, sealed into the frames using polymer which eliminates the possibility of any air by-pass around the carbon.

LONGAR® TYPE 8 CYLINDRICAL FILTER

These are constructed from perforated galvanised steel then formed into cylindrical cartridges containing high grade or impregnated carbon. The cylinders have a bayonette fit into the filter mounting plate.

All cylinders have a unique feature of having the option to replace any spent carbon and then refill with new replenished carbon.

For technical specifications, part numbers and ordering information, please see overleaf.

LONGAR® Type 8

Activated Carbon Filters

FITTING INSTRUCTIONS

- Fit products in accordance with installation contractor's specifications. Observe direction of airflow.

HANDLING

- Handle with care when unpacking.
- Store in dry and frost protected place.

MAINTENANCE

- Carbon filters cannot be cleaned upon reaching the end of their service life. They must be replaced.
- All maintenance and replacement schedules will be set by the original equipment installer. Please refer to this for more information.
- When handling any components suitable PPE should be used – gloves, eye protection and access equipment.
- Carbon filters may be recycled.

PACKAGING

All units are packaged in double wall boxes, stapled closed for protection whilst in transit against contamination.

TECHNICAL SPECIFICATIONS

SIZE ORDERING GUIDE (TOLERANCES +/- 2mm)					
Part Number	Actual Size HxWxD	Nominal Size HxWxD	Weight	Airflow M³/SEC @0.12 Contact	Pressure Loss - Pascals
CARBONCUBE242424	597 x 597 x 597mm	609 x 609 x 609mm	60.00kgs	1.00	97
	23.50 x 23.50 x 23.50"	24 x 24 x 24"	132.00lbs		
CARBONCUBE242418	597 x 597 x 450mm	609 x 609 x 457mm	44.00kgs	0.75	97
	23.50 x 23.50 x 17.72"	24 x 24 x 18"	96.80lbs		
CARBONCUBE241824	597 x 450 x 597mm	609 x 457 x 609mm	46kgs	0.75	97
	23.50 x 17.72 x 23.50"	24 x 18 x 24"	101.20lbs		
CARBONCUBE182424	450 x 597 x 597mm	457 x 609 x 609mm	46kgs	0.75	97
	17.72 x 23.50 x 23.50"	18 x 24 x 24"	101.20lbs		
CARBONCUBE242416	597 x 597 x 395mm	609 x 609 x 406mm	40.00kgs	0.67	97
	23.50 x 23.50 x 15.55"	24 x 24 x 16"	88.00lbs		
CARBONCUBE242412	597 x 597 x 292mm	609 x 609 x 305mm	33.00kgs	0.50	97
	23.50 x 23.50 x 11.50"	24 x 24 x 12"	72.60lbs		
CARBONCUBE241224	597 x 297 x 597mm	609 x 304 x 609mm	32.00kgs	0.50	97
	23.50 x 11.69 x 23.50"	24 x 12 x 24"	70.40lbs		
CARBONCUBE24824	597 x 197 x 597mm	609 x 203 x 609mm	19.00kgs	0.33	97
	23.50 x 7.76 x 23.50"	24 x 8 x 24"	41.80lbs		
CARBONCUBE202018	495 x 495 x 445mm	508 x 508 x 457mm	36kgs	0.52	97
	19.49 x 19.49 x 17.52"	20 x 20 x 18"	79.20lbs		
CARBONCUBE181818	450 x 450 x 450mm	457 x 457 x 457mm	28.00kgs	0.42	97
	17.72 x 17.72 x 17.72"	18 x 18 x 18"	61.60lbs		
FINAL RECOMMENDED PRESSURE DROP: 450 PASCALS					

Pressure drop and airflow information available on request.



LONGAR INDUSTRIES

FILTERS AND FABRICATIONS FOR A CLEANER ENVIRONMENT

Longar Industries Limited, Unit 25, Glenmore Business Park, Colebrook Way Weyhill Road, Andover, Hampshire SP10 3GZ United Kingdom
 T +44 (0)1264 332 993 F +44 (0)1264 332 994 E info@longarind.com W www.longarind.com

As part of our program for continuous improvement, Longar Ltd reserves the right to change specifications without notice. 15-01-2016.

CONTRA ROTATING CASED AXIAL FANS TCBBx2 / TCBTx2 Series



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.

Model	Speed (rpm)	Diameter (mm)	Maximum absorbed power [W]	Maximum absorbed current (A)		Sound pressure level* (dB(A))	Maximum air volume (m³/h)	Weight (kg)	Speed controller RMB/T	Variable frequency inverter				
				to 230 V	to 400 V					VFTM		VFKB		
										1/230V**	3/400V	1/230V**	3/400V	
SINGLE PHASE														
TCBBx2/4-450	1420	450	1316	5,7	-	74	7.430	42	RMB-8	-	-	-	-	
TCBBx2/4-500	1370	500	1957	9,0	-	76	9.950	50	RMB-10	-	-	-	-	
TCBBx2/4-560	1370	560	2972	13,6	-	78	13.930	66	-	-	-	-	-	
TCBBx2/4-630	1400	630	3671	16,3	-	79	16.560	80	-	-	-	-	-	
THREE PHASE														
TCBTx2/4-450	1430	450	1309	5,2	3	74	7.250	42	RMT-5	VFTM MONO 1,1	VFTM TRI 1,1	VFKB 27	VFKB 45	
TCBTx2/4-500	1390	500	1700	5,8	3,4	76	9.800	50	RMT-5	VFTM MONO 1,1	VFTM TRI 1,5	VFKB 27	VFKB 45	
TCBTx2/4-560	1390	560	3173	10,0	5,8	78	15.170	66	-	VFTM MONO 2,2	VFTM TRI 3	-	VFKB 48	
TCBTx2/4-630	1445	630	4014	-	7,4	79	17.810	80	-	-	VFTM TRI 4	-	VFKB 48	
* Sound pressure level, measured in free field conditions														

* Sound pressure level, measured in free field condition at a distance equivalent of three times the diameter of the impeller or a minimum of 1.5 meters whichever is the greater.
** Only for fans fitted with three phase motors 230/400V.

ACOUSTIC CHARACTERISTICS

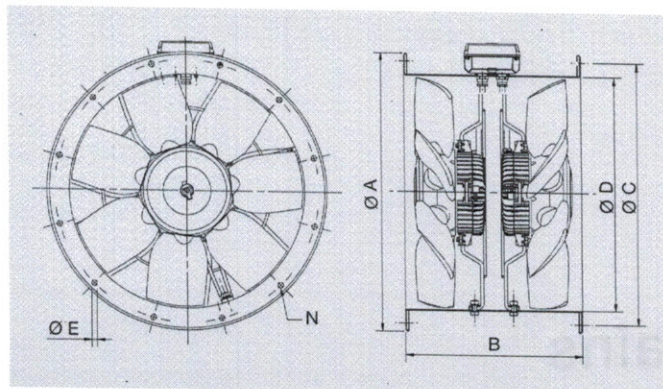
The sound levels -NPS- shown in the technical characteristic chart, correspond to the value of sound pressure dB(A), measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1.5 meters.

The following table shows the sound power level spectrums in dB(A) measured with the fan ducted, at both inlet and discharge sides.

Model	Air volume m³/h	63	125	250	500	1000	2000	4000	8000	Global
450 Inlet	6.600	46	73	85	82	85	79	72	64	90
	5.850	46	73	84	81	83	79	71	64	88
	4.300	58	70	80	80	83	79	71	64	87
450 Outlet	6.600	63	75	86	85	87	82	74	67	92
	5.850	53	73	85	84	87	81	74	67	91
	4.300	58	70	82	83	86	82	74	67	90
500 Inlet	9.000	48	78	87	85	87	81	74	67	92
	7.500	52	76	85	85	85	80	73	65	90
	6.000	60	73	83	82	85	80	73	66	89
500 Outlet	9.000	65	76	87	88	90	84	77	70	94
	7.500	62	75	86	87	88	83	76	69	92
	6.000	59	72	86	85	88	83	76	69	92

Model	Air volume m³/h	63	125	250	500	1000	2000	4000	8000	Global
560 Inlet	13.720	50	85	87	88	91	85	78	73	95
	10.800	57	79	83	86	89	84	78	72	93
	9.000	63	79	81	86	89	84	78	72	92
560 Outlet	13.720	74	86	85	91	94	88	81	75	97
	10.800	70	82	84	88	92	87	81	74	95
	9.000	74	81	85	89	92	87	81	74	95
630 Inlet	17.500	51	85	91	89	93	87	80	74	97
	15.600	55	85	85	88	91	86	80	73	95
	12.000	64	80	84	88	90	86	80	73	94
630 Outlet	17.500	73	87	88	93	95	89	83	77	99
	15.600	71	87	86	91	94	89	83	76	98
	12.000	67	84	86	90	94	89	84	76	97

DIMENSIONS (mm)



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

Product code: **HAF** - **aaaa**

type _____

installed via a flange

Ød_i _____

710	1215	1490	46,3	43,1
800	1360	1630	59,4	55,8

ALNOR® ventilation systems

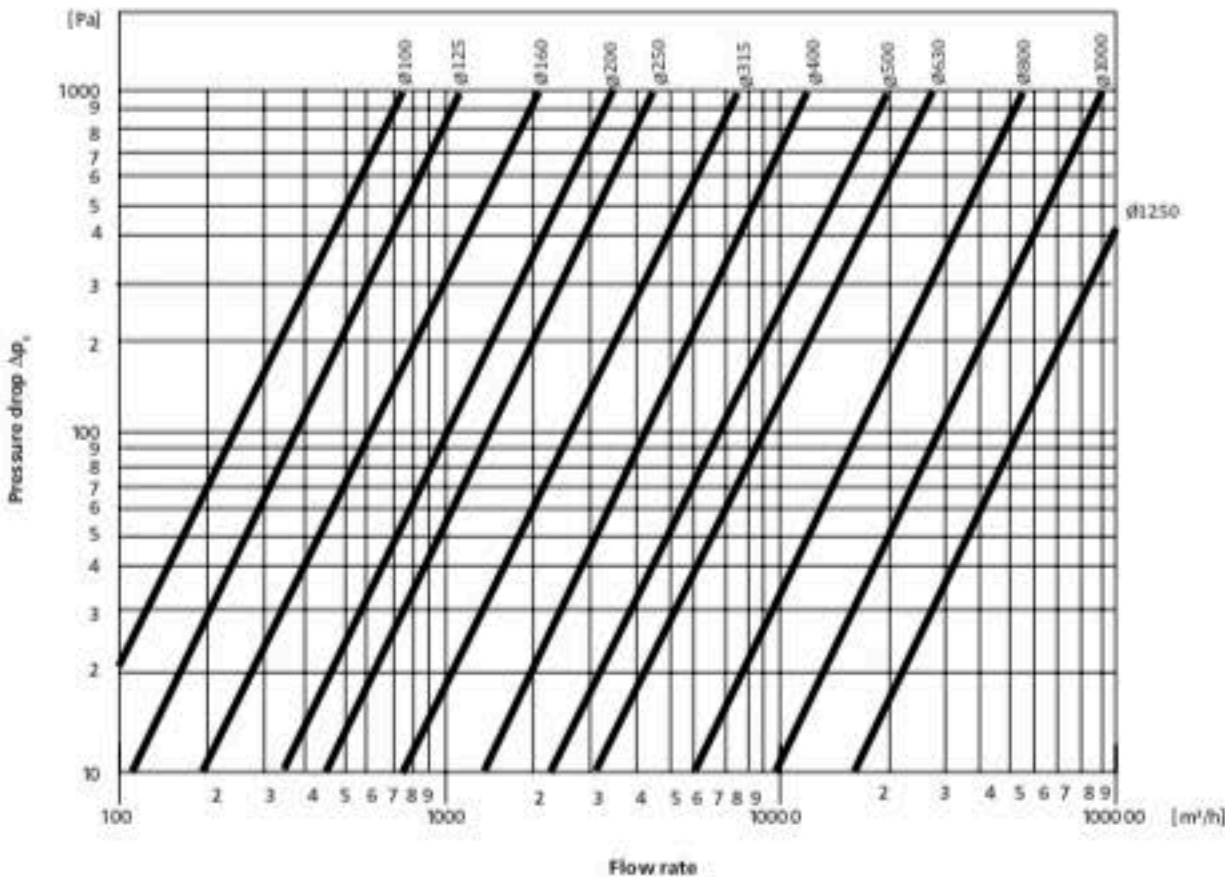
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Roof ejectors
HAN/HAF

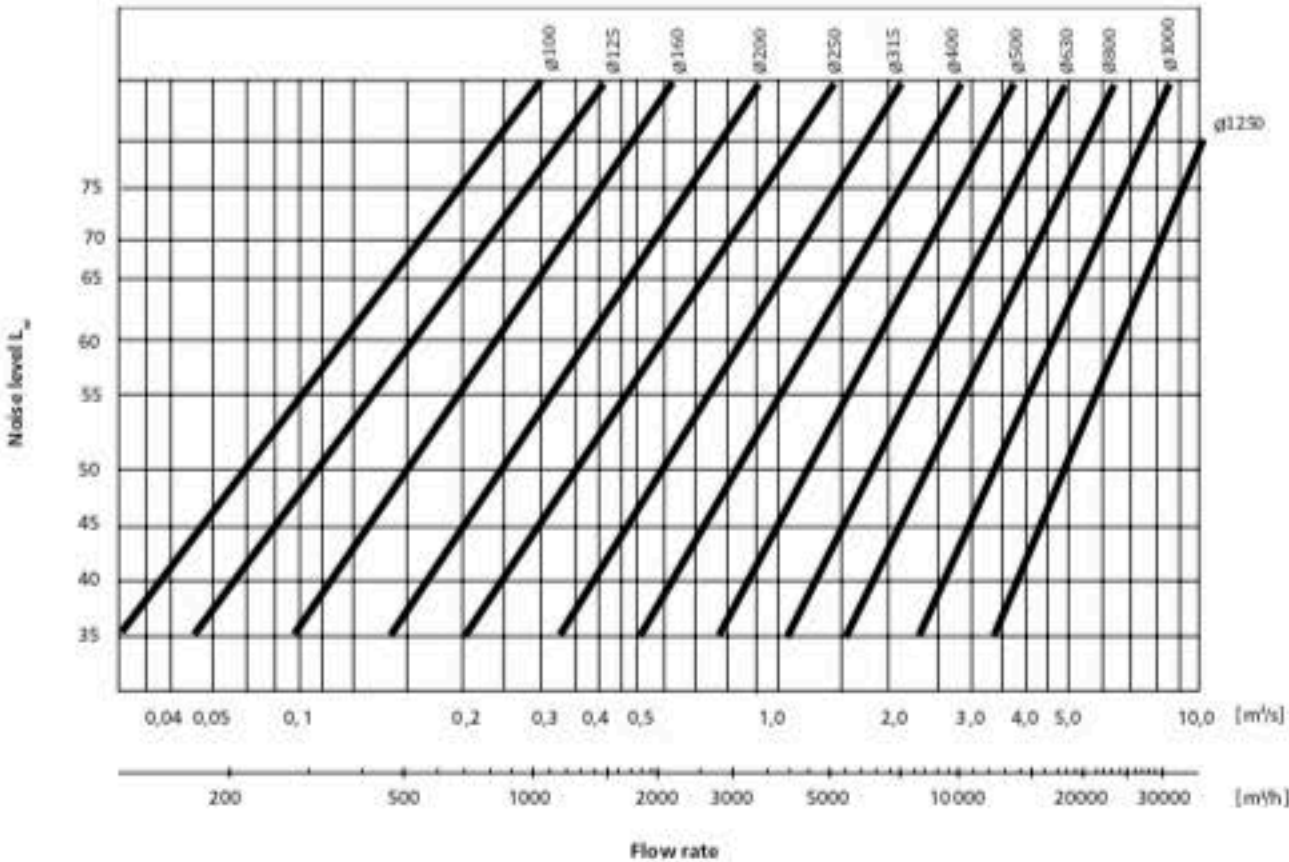
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Technical Data

Pressure drop



Noise data



ALNOR® ventilation systems

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Roof ejectors HAN/HAF

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Roof Hoods



Description

HAN/HAF ejectors can be used in both industrial and residential buildings.

Air is ejected vertically upwards so as to prevent air pollution near and on the roof. The ejector is efficient enough to place fresh air intakes close nearby. Typically, these ejectors are made of galvanised sheet metal, but upon request they can also be made of acid-proof steel, aluminium or steel coated with plastics in various colours. The ejectors are 1/2 covered with mesh and furnished with an internal snow or rainwater chute flange. Typically, HAF ejectors are manufactured with an FLS flange.

Typically, HAN ejectors are manufactured with a male or female flange.

Example identification

Product code: **HAN** - **aaaa**

type _____
fitted directly onto the fittings, in the duct,
on the duct

Ø d_i _____

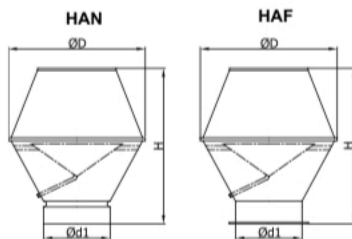
Example identification

Product code: **HAF** - **aaaa**

type _____
installed via a flange

Ø d_i _____

Dimensions



H = installation height

HAN/HAF

Ø d _i [mm]	Ø D [mm]	H [mm]	weight HAF [kg]	weight HAN [kg]
100	180	220	1,1	0,7
125	225	240	1,4	0,9
140	245	280	1,5	1,0
150	265	315	1,8	1,3
160	280	340	1,9	1,3
180	310	375	2,2	1,6
200	345	420	2,8	2,1
224	385	475	3,1	2,3
250	430	505	3,7	2,9
280	480	585	5,3	4,2
300	515	600	6,2	5,0
315	550	620	7,7	6,4
355	615	705	9,3	7,9
400	685	905	15,7	14,1
450	775	970	18,3	16,5
500	855	1055	21,3	19,3
560	955	1170	25,9	23,4
600	1015	1255	32,0	29,3
630	1075	1300	33,5	30,7
710	1215	1490	46,3	43,1
800	1360	1630	59,4	55,8

ALNOR® ventilation systems

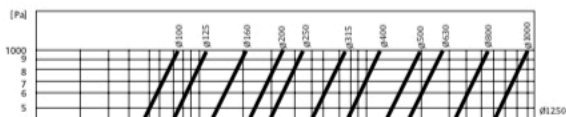
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Roof ejectors HAN/HAF

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Technical Data

Pressure drop



Roof Hoods

Roof ejectors

HAN/HAF

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Description

HAN/HAF ejectors can be used in both industrial and residential buildings.

Air is ejected vertically upwards so as to prevent air pollution near and on the roof. The ejector is efficient enough to place fresh air intakes close nearby.

Typically, these ejectors are made of galvanised sheet metal, but upon request they can also be made of acid-proof steel, aluminium or steel coated with plastics in various colours. The ejectors are 1/2 covered with mesh and furnished with an internal snow or rainwater chute flange.

Typically, HAF ejectors are manufactured with an FLS flange.

Typically, HAN ejectors are manufactured with a male or female flange.

Example identification

Product code: **HAN** - **aaaa**

type _____
 fitted directly onto the fittings, in the duct,
 on the duct

Ød₁ _____

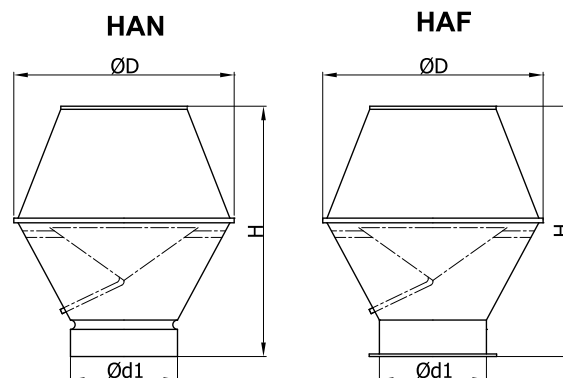
Example identification

Product code: **HAF** - **aaaa**

type _____
 installed via a flange

Ød₁ _____

Dimensions



H = installation height

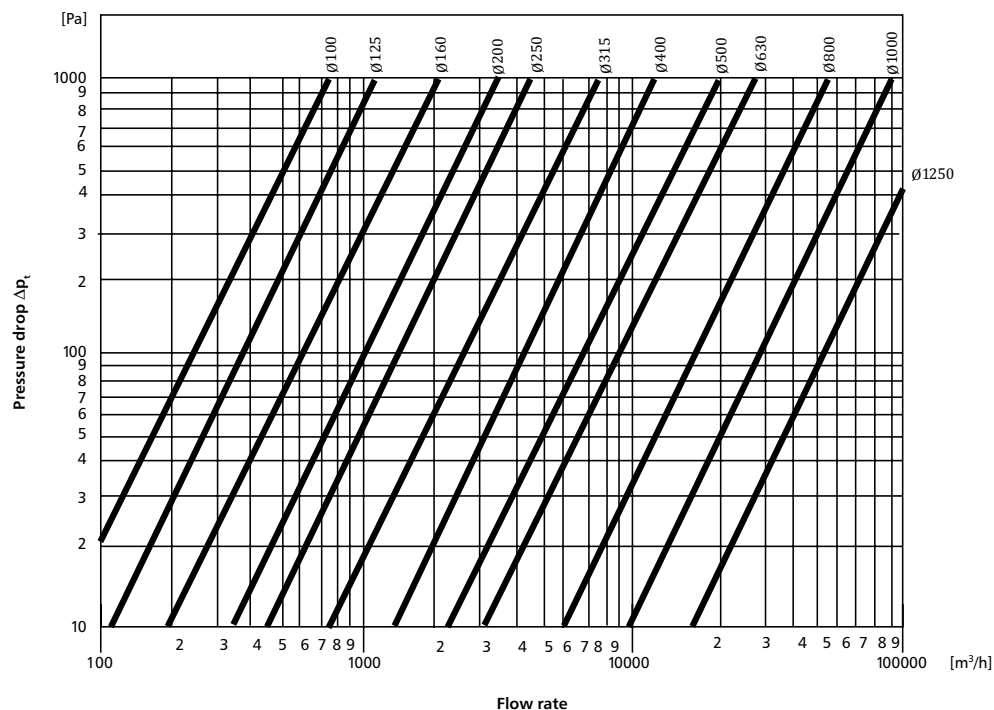
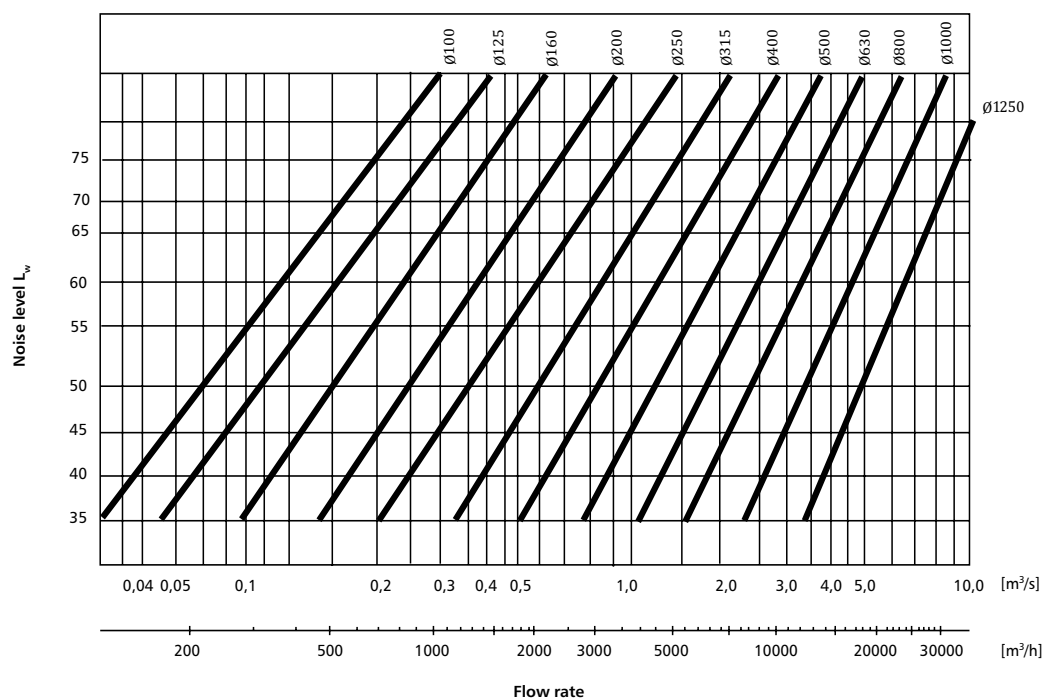
HAN/HAF

Ød ₁ [mm]	ØD [mm]	H [mm]	weight HAF [kg]	weight HAN [kg]
100	180	220	1,1	0,7
125	225	240	1,4	0,9
140	245	280	1,5	1,0
150	265	315	1,8	1,3
160	280	340	1,9	1,3
180	310	375	2,2	1,6
200	345	420	2,8	2,1
224	385	475	3,1	2,3
250	430	505	3,7	2,9
280	480	585	5,3	4,2
300	515	600	6,2	5,0
315	550	620	7,7	6,4
355	615	705	9,3	7,9
400	685	905	15,7	14,1
450	775	970	18,3	16,5
500	855	1055	21,3	19,3
560	955	1170	25,9	23,4
600	1015	1255	32,0	29,3
630	1075	1300	33,5	30,7
710	1215	1490	46,3	43,1
800	1360	1630	59,4	55,8

Roof ejectors

HAN/HAF

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Technical Data**Pressure drop****Noise data**

Categories

- Beverages
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- Filters & Canopies
- Food Preparation
- Food Service
- Laundry & Washroom
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- Pest Control
- Refrigeration & Ice Machines
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Video



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Frilixa Maxime 25F Flat Glass Serve Over Counter

Accessories

Heated Grease Filter Cleaning Tank - 650mm x 635mm x 170mm

Activated Commercial Carbon Square Grease Filters



Specifications



- * High grade carbon content
 - * Robust modular construction
 - * Carbon unit or panel format
 - * High grade carbon
 - * High carbon content
 - * Low pressure loss
 - * Robust modular construction
 - * CNC manufactured and precision products every time
 - * Metal Case optional below
 - * H597 x W197 x D597mm
- All sizes selectable from the drop down options below
- H597 x W197 x D597mm
 - H597 x W297 x D597mm
 - H597 x W597 x D292mm
 - H597 x W597 x D395mm
 - H597 x W450 x D597mm
 - H597 x W597 x D450mm
 - H597 x W597 x D597mm
 - H495 x W495 x D445mm
 - H450 x W450 x D450mm

✓ - In Stock

Details

The Type 8 activated carbon has for many years been used to remove airborne noxious fumes and gases. Its origins date back to the First World War, when gas masks were first filled with Activated carbon to remove chlorine gas. Today Longar produces a wide range of carbon filters to deal with a variety of air pollution scenarios. There are many situations where carbon filtration is used to eliminate toxic or offensive odours, some of these are sewage works, hospitals, slaughterhouses, restaurant kitchens, airports, toilets, wash rooms, laboratories, and office blocks. Carbon filters are designed to remove fumes and odours, they are not suitable for removing dust and fine particles. If left unprotected, the life of the carbon product is severely reduced. To protect the filters use the correct pre filtration.

Carbon filters can be fabricated to any size, if you have a special order please call or email us with your requirements.

Warranty & Delivery

1 Year manufacturer's parts and labour warranty
FREE - Three day delivery, anywhere on the UK mainland

Product Attachments

[Carbon Filter Specifications](#) Size: (147.89 KB)

Purchase



Excl. VAT: Qty:

1

Add to Basket

Check out

Add to Wishlist Add to Compare

Options

* Carbon Discarb Filter Options

-- Please Select --

* Required Fields

You may also be interested in the following products

Synthetic Bag or HVAC Air Pocket Filters - Width 287mm

Synthetic Bag or HVAC Air Pocket Filters - Width 492mm

Synthetic Bag or HVAC Air Pocket Filters - Width 592mm

Galvanised Mesh Filters - Depth 20mm