DESENFUMAGE 400° C 2 HEURES

Série LX

Virole longue LX - LP
Virole courte LX - CP

AVANTAGES

- 9 diamètres différents.
- 140 modèles.
- 12 accessoires.
- Pâles viariables à l'arrêt.
- Peinture de la virole de série.

HOMOLOGATION 400°C 2H

CTICM PV n°03-G-387 avec extension de classement n°04/1
Validité : 6 novembre 2008

DESCRIPTION LX

- Conforme aux normes CE.
- Disponible en virole courte série LX - CP en acier peint.
- Disponible en virole longue série LX - LP en acier peint.
- Pales variables à l'arrêt.
- Hélicoïde avec hélice en alliage d'aluminium, 5, 10, 7 ou 14 pales.
- Moyeu 150 ou 250 mm de diamètre en alliage d'aluminium.
- Moteur électrique B3, IP 55, classe F, triphasé 400V 50Hz en 2 vitesses pour les hélicoïdes 200°C 2Heures.
- Moteur électrique B3, IP 55, classe H, triphasé 400V 50Hz en 1 ou 2 vitesses pour les hélicoïdes 400°C 2Heures.

GAMME

- Il existe 9 tailles en version LX - CP ou LP : 400 - 450 - 500 - 560 - 630 - 710 - 800 - 900 et 1000.
- Chaque taille reçoit plusieurs types de moteur pour optimiser les débits.
- Les moteurs sont à 1 ou 2 vitesses triphasé.

OPTIONS

- Pieds support en acier galvanisé.
- Contre bride en acier galvanisé.
- Grille de protection à l'aspiration ou au refoulement en acier électro-zingué.
- Manchette souple circulaire avec contre bride, classé M0 400°C 2 Heures homologation CTICM.
- Plots antivibratiles.
- Interrupteur de proximité cadenassable et IP 55 avec contacts auxiliaires.
- Contrôleur de débit (dépressostat).
- Coffret de commande 2 vitesses (Dahlander).
- Coffret de relayage certifié NF S 61-937.
- Boîtiers à clés pour réarmement et arrêt pompier .

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.

DESENFUMAGE 1 ou 2 VITESSES

200°C 2 Heures
400°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

Pour toute commande, il est indispensable d'indiquer les caractéristiques complètes, ainsi que:

La puissance du moteur (kW) et sa fréquence (Hz)..

Le sens du flux d'air A ou B.

DESIGNATION

Virole courte CP Virole longue LP	Type du moyeu	Angle de pales

LX - CP/LP - 630 - 150 - 5 / 20 - 1440

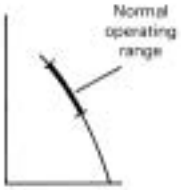
Type	Ø Nominal	Nombre de pales	Vitesse du moteur en tr/mn

INTRODUCTION

INTRODUCTION

The achieved fan performance can differ from the test performances as shown on the subsequent pages due to two main effects.

a) The encroachment of irregular or abrupt changes within the system close to the fan. If sensible practice is followed then the fan will receive near uniform air into its inlet and discharge its airflow in a near ideal pattern, so performing to its expected level.



b) Changes to the internal elements of the fan as occuring in changes of form or further by extra large tip clearances.

Tests were conducted to assess these effects together with those due to the close proximity of accessories. Generalised effects are shown below for fan selections made within the normal operating region over a wide blade angle range.

FAN FORMS

The main series of tests were conducted on form 'B' fan units, comparative tests were carried out on form 'A' units. Resulting performance differences occur mainly on the outlet side of the fan as correct practice should result in the presence of a duct or inlet cone on the fan inlet.

Form	Type of installation	Airside variation	Sound variation
B	→ B&D	As shown on performance curves	As shown on data sheets
B	→ A&C	As shown on performance curves	As shown on data sheet
A	→ B&D	Use performance sheet data	+2 to 3dB
A	→ A&C	qv × 1.02 PsF × 1.04 } as compared to 'set B' performance	+2 to 3 dB

BLADE MATERIALS

Tests were conducted to establish whether a difference existed between the use of aluminium or plastic blades. No worthwhile differences to aerodynamic or sound readings were found.

TIP CLEARANCES

The performance and sound data sheets are shown for the standard radial tip clearance/diameter percentage of 0.25. If tip clearances are increased then duty conditions should be adjusted as follows prior to selection on the applicable curve.

Tip clearance/diameter 0.5% qv × 1.01, PsF × 1.02
Tip clearance/diameter 0.75% qv × 1.04, PsF × 1.08
Tip clearance/diameter 1.0% qv × 1.06, PsF × 1.12

WINDMILLING LOSSES

It is sometimes necessary to have two fans in series so as to offer a run and standby capability. In such a condition the windmilling (or non energised fan/motor unit) creates a relative pressure loss which is a function of its blade angle.

Blade angle	'k' loss	
Up to 20°	6.0	Pressure loss = 'k' × Ptf
20° – 30°	3.0	
Over 30°	2.0	

OTHER FAN ARRANGEMENTS

Other standard arrangements are available and whilst this performance manual does not cover these alternatives in detail, some generalised information can be given.

Fan arrangement	Effect on pressure capability	Effect on Total sound level
Single stage fan unit with downstream guide vanes	× 1.25	+1 dB
Two stage fan unit with intermediate straightener	× 2.00	+3 dB
Contra-rotating two stage fan unit	× 2.4	+8 to 10 dB
Bifurcated fan unit	× 0.7	+2 dB

The required duty pressure should be adjusted to account for the above gains/losses before making a selection on the standard performance curves.

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/150/10
1440 tr/mn maxi.

EXEMPLE

REQUIREMENT

A 630mm axial fan running at 1440 rpm, Type D (Fully ducted) installation to give a duty of 3.6 m³/sec at 180 Pa static.

1 Airflow 3.6 m³/sec.

2 Static pressure 180 Pa (no correction as curves are plotted for Type D installation).

3 Blade setting angle = 25°.
Full Fan code **630/150/10/1440/25**

4 Fan impeller power = 1.35 kW.

5 Recommended motor power = 1.5 kW.
Motor frame size is 90L.
Fan dimensional code **630/90L**
(See general brochure for dimensional data).

6 Fan total efficiency $\% = \frac{3.6 \times (180 + 75)}{10 \times 1.35} = 68\%$

7 Outlet side In-duct total sound power level = 90 dBW (by interpolating).

8 Relevant sound zone **5**.

9 From the sound data sheet using zone **5** inlet side In-duct data.

10 Total level correction value = 0 dB.
Hence total level = 90 dBW.

11 Octave band spectra correction values:

Hz	63	125	250	500	1k	2k	4k	8k
	−6	−15	−8	−9	−7	−10	−11	−11
dBW	84	75	82	81	83	80	79	71

Correction value to Sound Pressure at 1 metre is 11 dB. (see sound data introduction).
Total sound pressure level at 1 metre = 90 − 11 = 79 dB.
Octave band spectra correction values as for **11**

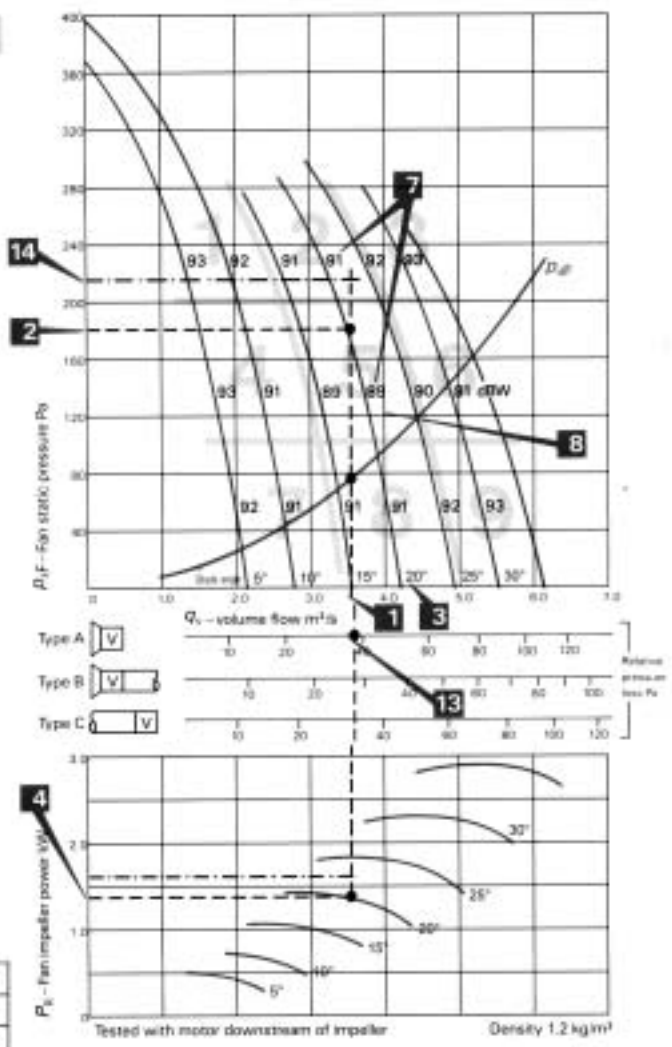
Hz	63	125	250	500	1k	2k	4k	8k
dB	73	64	71	70	72	69	68	60

12 Correction value from dB to dBA at 1 metre = − 3.
Total dBA level at 1 metre = 76 dBA.

Similar sound data could have been deduced for the Outlet side In-duct levels or Inlet and Outlet free-field levels from the data shown under zone **5** heading.

If a selection for the same fan and duty had been required for a Type A installation, then the static pressure has to be corrected.

13 Relative pressure loss = 38 Pa.



415v/3ph/50Hz supply

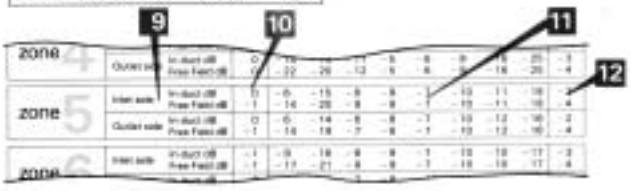
Blade Angle°	Frame size	Rating kW	Starting amps	Running amps
0-15	90b	0.75	8.7	1.9
16-20	90S	1.1	14.5	2.9
21-25	90L	1.5	19.5	3.6
26-34	100La	2.2	27.0	4.9
35-40	100Lb	3.0	39.0	6.5

Fan total efficiency %

$$\frac{Q_v \times P_sF}{10\,P_R}$$

where

$$P_tF = (P_dF + P_sF)$$



14 Revised static pressure for curve selection purposes = 180 + 38 = 218 Pa.

This would have resulted in a fan selection at 27°, an impeller power of 1.60 kW, an outlet side In-duct total level of 91 dBW and the duty point moving into zone **2**.

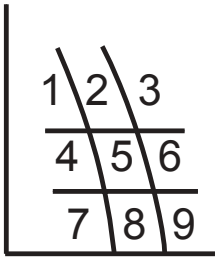
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/5
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−12	−7	−5	−11	−12	−15	−17	−25	−8
		Free Field dB	−3	−23	−14	−8	−12	−12	−15	−17	−25	−11
	Outlet side	In-duct dB	0	−7	−7	−5	−11	−13	−14	−18	−22	−8
		Free Field dB	−3	−18	−14	−8	−12	−13	−14	−18	−22	−11
zone 2	Inlet side	In-duct dB	+1	−10	−9	−4	−11	−11	−14	−18	−24	−7
		Free Field dB	−1	−21	−16	−7	−12	−11	−14	−18	−24	−10
	Outlet side	In-duct dB	0	−8	−7	−8	−9	−6	−10	−15	−19	−3
		Free Field dB	−2	−19	−14	−11	−10	−6	−10	−15	−19	−5
zone 3	Inlet side	In-duct dB	−1	−9	−8	−4	−11	−13	−14	−18	−21	−7
		Free Field dB	−4	−20	−15	−7	−12	−13	−14	−18	−21	−11
	Outlet side	In-duct dB	0	−7	−7	−6	−12	−12	−13	−16	−22	−7
		Free Field dB	−3	−18	−14	−9	−13	−12	−13	−16	−22	−11
zone 4	Inlet side	In-duct dB	−1	−9	−5	−8	−10	−11	−14	−19	−30	−7
		Free Field dB	−4	−20	−12	−11	−11	−11	−14	−19	−30	−12
	Outlet side	In-duct dB	0	−8	−5	−9	−10	−11	−13	−17	−25	−7
		Free Field dB	−3	−19	−12	−12	−11	−11	−13	−17	−25	−11
zone 5	Inlet side	In-duct dB	+1	−6	−6	−10	−12	−9	−11	−15	−28	−6
		Free Field dB	−2	−17	−13	−13	−13	−9	−11	−15	−28	−9
	Outlet side	In-duct dB	0	−5	−7	−9	−12	−10	−13	−15	−24	−6
		Free Field dB	−4	−16	−14	−12	−13	−10	−13	−15	−24	−11
zone 6	Inlet side	In-duct dB	−1	−5	−7	−10	−11	−9	−11	−17	−25	−6
		Free Field dB	−4	−16	−14	−13	−12	−9	−11	−17	−25	−10
	Outlet side	In-duct dB	0	−5	−6	−9	−10	−10	−14	−18	−24	−6
		Free Field dB	−4	−16	−13	−12	−11	−10	−14	−18	−24	−11
zone 7	Inlet side	In-duct dB	+1	−14	−3	−10	−11	−10	−13	−19	−28	−7
		Free Field dB	−2	−25	−10	−13	−12	−10	−13	−19	−28	−11
	Outlet side	In-duct dB	0	−13	−2	−11	−10	−12	−15	−20	−28	−7
		Free Field dB	−4	−24	−9	−14	−11	−12	−15	−20	−28	−12
zone 8	Inlet side	In-duct dB	0	−8	−4	−10	−12	−9	−10	−14	−27	−5
		Free Field dB	−3	−19	−11	−13	−13	−9	−10	−14	−27	−8
	Outlet side	In-duct dB	0	−8	−4	−9	−12	−10	−12	−15	−23	−6
		Free Field dB	−3	−19	−11	−12	−13	−10	−12	−15	−23	−10
zone 9	Inlet side	In-duct dB	+1	−8	−5	−8	−11	−8	−11	−18	−25	−5
		Free Field dB	−2	−19	−12	−11	−12	−8	−11	−18	−25	−9
	Outlet side	In-duct dB	0	−8	−5	−8	−11	−10	−14	−19	−25	−7
		Free Field dB	−3	−19	−12	−11	−12	−10	−14	−19	−25	−11

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/5
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code

The full fan code uniquely identifies the principle geometry of the fan.

400/150/5/1440/ . . .

where –

400 – Nominal diameter. mm.
150 – Hub diameter. mm.
5 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols

q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

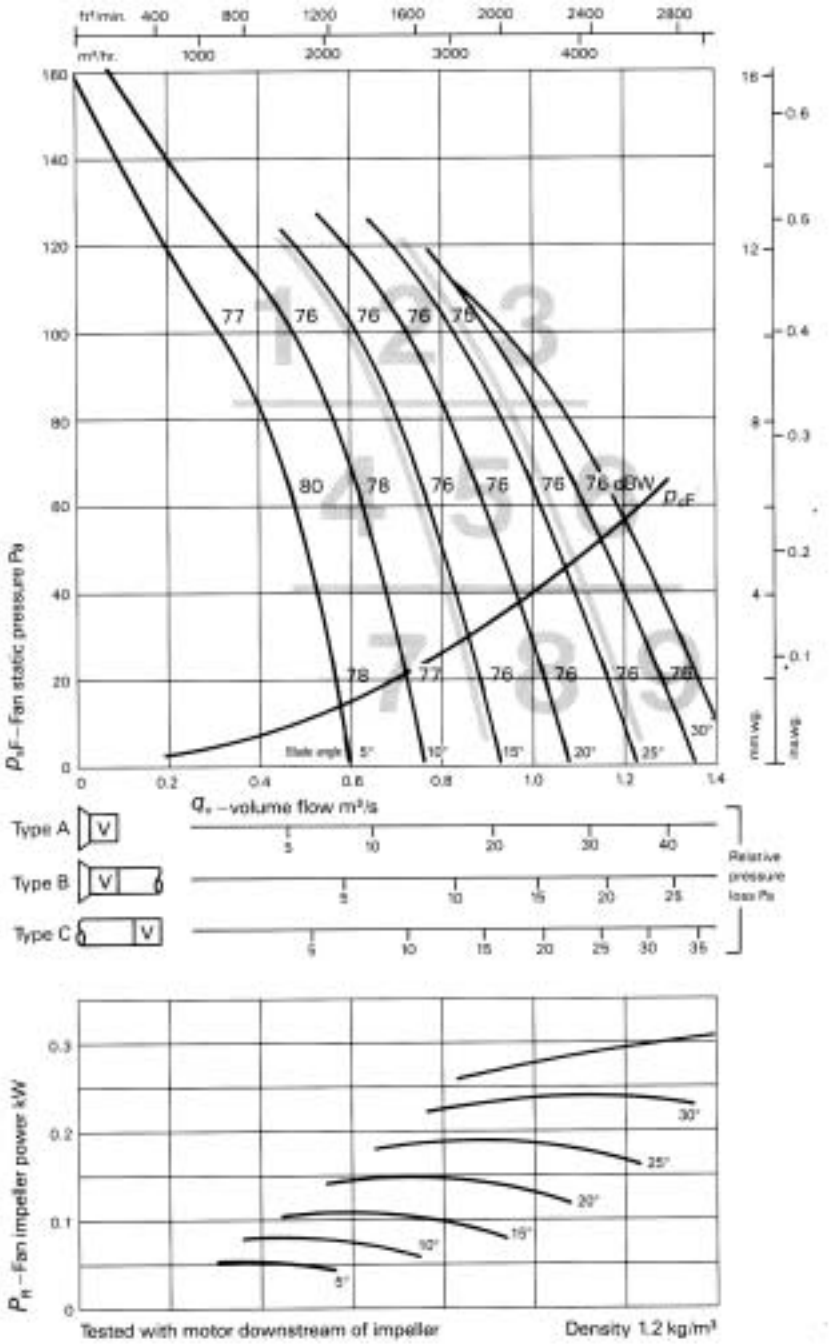
Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation

For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data

The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels

The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards

This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/10
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
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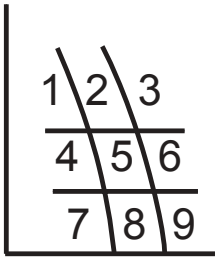
Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	1	−17	−6	−5	−7	−9	−12	−18	−32	−4
		Free Field dB	−3	−28	−13	−8	−8	−9	−12	−18	−32	−7
	Outlet side	In-duct dB	0	−9	−9	−5	−10	−12	−14	−18	−30	−8
		Free Field dB	−3	−20	−16	−8	−11	−12	−14	−18	−30	−11
zone 2	Inlet side	In-duct dB	0	−12	−6	−7	−7	−9	−12	−16	−30	−5
		Free Field dB	−2	−23	−13	−10	−8	−9	−12	−16	−30	−8
	Outlet side	In-duct dB	0	−10	−6	−6	−9	−11	−13	−16	−25	−6
		Free Field dB	−3	−21	−13	−9	−10	−11	−13	−16	−25	−10
zone 3	Inlet side	In-duct dB	−2	−11	−5	−6	−8	−11	−12	−16	−22	−5
		Free Field dB	−4	−22	−12	−9	−9	−11	−12	−16	−22	−9
	Outlet side	In-duct dB	0	−8	−9	−6	−11	−10	−11	−14	−21	−5
		Free Field dB	−2	−19	−16	−9	−12	−10	−11	−14	−21	−9
zone 4	Inlet side	In-duct dB	−2	−14	−9	−5	−7	−8	−12	−20	−30	−5
		Free Field dB	−4	−25	−16	−8	−8	−8	−12	−20	−30	−7
	Outlet side	In-duct dB	0	−14	−10	−4	−7	−9	−13	−19	−32	−5
		Free Field dB	−2	−25	−17	−7	−8	−9	−13	−19	−32	−8
zone 5	Inlet side	In-duct dB	−1	−10	−8	−8	−9	−7	−9	−17	−26	−4
		Free Field dB	−3	−21	−15	−11	−10	−7	−9	−17	−26	−7
	Outlet side	In-duct dB	0	−9	−9	−6	−10	−11	−13	−16	−26	−7
		Free Field dB	−2	−20	−16	−9	−11	−11	−13	−16	−26	−10
zone 6	Inlet side	In-duct dB	−1	−8	−9	−8	−9	−7	−9	−15	−23	−4
		Free Field dB	−3	−19	−16	−11	−10	−7	−9	−15	−23	−6
	Outlet side	In-duct dB	0	−8	−9	−5	−8	−11	−12	−15	−22	−6
		Free Field dB	−2	−19	−16	−8	−9	−11	−12	−15	−22	−8
zone 7	Inlet side	In-duct dB	−3	−14	−11	−3	−8	−9	−11	−15	−28	−4
		Free Field dB	−5	−25	−18	−6	−9	−9	−11	−15	−28	−6
	Outlet side	In-duct dB	0	−13	−12	−4	−8	−13	−16	−18	−30	−7
		Free Field dB	−2	−24	−19	−7	−9	−13	−16	−18	−30	−11
zone 8	Inlet side	In-duct dB	0	−11	−9	−4	−10	−7	−9	−14	−28	−3
		Free Field dB	−2	−22	−16	−7	−11	−7	−9	−14	−28	−5
	Outlet side	In-duct dB	0	−9	−10	−5	−9	−10	−11	−15	−25	−5
		Free Field dB	−2	−20	−17	−8	−10	−10	−11	−15	−25	−8
zone 9	Inlet side	In-duct dB	−1	−9	−8	−6	−11	−6	−8	−13	−25	−2
		Free Field dB	−2	−20	−15	−9	−12	−6	−8	−13	−25	−4
	Outlet side	In-duct dB	0	−6	−9	−7	−11	−7	−9	−15	−26	−4
		Free Field dB	−2	−17	−16	−10	−12	−7	−9	−15	−26	−7

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/10
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

400/150/10/1440/ . . .

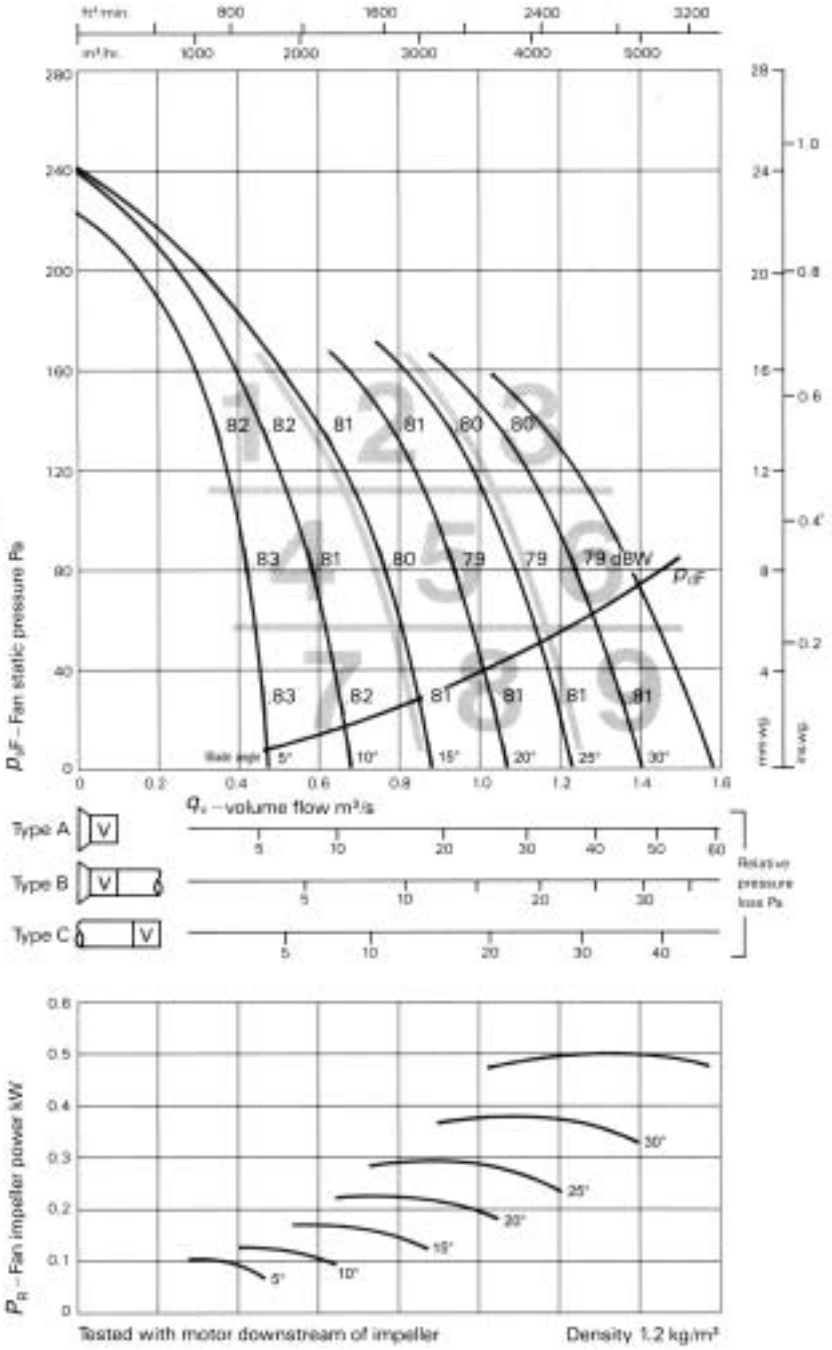
where –
- 400 – Nominal diameter. mm.
- 150 – Hub diameter. mm.
- 10 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_{sF} – Fan Static Pressure
- p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – ($p_{sF}+p_{dF}$) – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/5
2880 tr/mn maxi.

SOUND DATA

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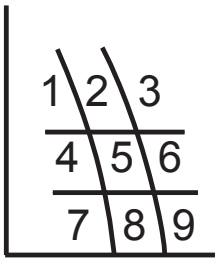
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−14	−12	−6	−7	−8	−10	−15	−23	−4
		Free Field dB	−1	−25	−19	−9	−8	−8	−10	−15	−23	−6
	Outlet side	In-duct dB	0	−13	−12	−6	−8	−6	−9	−14	−19	−3
		Free Field dB	−1	−24	−19	−9	−9	−6	−9	−14	−19	−4
zone 2	Inlet side	In-duct dB	+1	−6	−12	−6	−8	−8	−10	−13	−22	−3
		Free Field dB	−1	−17	−19	−9	−9	−8	−10	−13	−22	−6
	Outlet side	In-duct dB	0	−10	−9	−4	−10	−11	−12	−14	−16	−5
		Free Field dB	−2	−21	−16	−7	−11	−11	−12	−14	−16	−8
zone 3	Inlet side	In-duct dB	0	−6	−10	−6	−8	−6	−9	−14	−19	−2
		Free Field dB	−2	−17	−17	−9	−9	−6	−9	−14	−19	−4
	Outlet side	In-duct dB	0	−9	−6	−6	−10	−12	−14	−19	−23	−8
		Free Field dB	−3	−20	−13	−9	−11	−12	−14	−19	−23	−11
zone 4	Inlet side	In-duct dB	−1	−7	−11	−5	−7	−8	−11	−20	−27	−4
		Free Field dB	−3	−18	−18	−8	−8	−8	−11	−20	−27	−7
	Outlet side	In-duct dB	0	−15	−13	−5	−9	−8	−10	−12	−16	−4
		Free Field dB	−2	−26	−20	−8	−10	−8	−10	−12	−16	−7
zone 5	Inlet side	In-duct dB	+1	−5	−12	−9	−12	−9	−11	−13	−21	−5
		Free Field dB	−2	−16	−19	−12	−13	−9	−11	−13	−21	−9
	Outlet side	In-duct dB	0	−8	−10	−6	−11	−8	−10	−12	−16	−4
		Free Field dB	−2	−19	−17	−9	−12	−8	−10	−12	−16	−6
zone 6	Inlet side	In-duct dB	0	−6	−8	−7	−10	−13	−16	−18	−23	−8
		Free Field dB	−3	−17	−15	−10	−11	−13	−16	−18	−23	−13
	Outlet side	In-duct dB	0	−9	−4	−6	−12	−14	−16	−20	−25	−8
		Free Field dB	−3	−20	−11	−9	−13	−14	−16	−20	−25	−13
zone 7	Inlet side	In-duct dB	+1	−7	−8	−5	−10	−9	−11	−19	−25	−5
		Free Field dB	−2	−18	−15	−8	−11	−9	−11	−19	−25	−8
	Outlet side	In-duct dB	0	−14	−11	−6	−8	−8	−12	−18	−26	−5
		Free Field dB	−2	−25	−18	−9	−9	−8	−12	−18	−26	−8
zone 8	Inlet side	In-duct dB	+3	−4	−9	−11	−12	−8	−10	−12	−20	−4
		Free Field dB	0	−15	−16	−14	−13	−8	−10	−12	−20	−7
	Outlet side	In-duct dB	0	−10	−8	−4	−8	−9	−12	−14	−17	−3
		Free Field dB	−2	−21	−15	−7	−9	−9	−12	−14	−17	−6
zone 9	Inlet side	In-duct dB	0	−5	−8	−9	−12	−14	−15	−18	−22	−9
		Free Field dB	−4	−16	−15	−12	−13	−14	−15	−18	−22	−14
	Outlet side	In-duct dB	0	−10	−4	−5	−8	−9	−13	−20	−26	−4
		Free Field dB	−3	−21	−11	−8	−9	−9	−13	−20	−26	−8

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/5
2880 tr/mn maxi.

PERFORMANCE DATA

Fan Code

The full fan code uniquely identifies the principle geometry of the fan.

400/150/5/2880/...

where –

400 – Nominal diameter. mm.
150 – Hub diameter. mm.
5 – Number of blades.
2880 – Fan speed. rev/min.
... – Blade angle. degs.

Symbols

q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

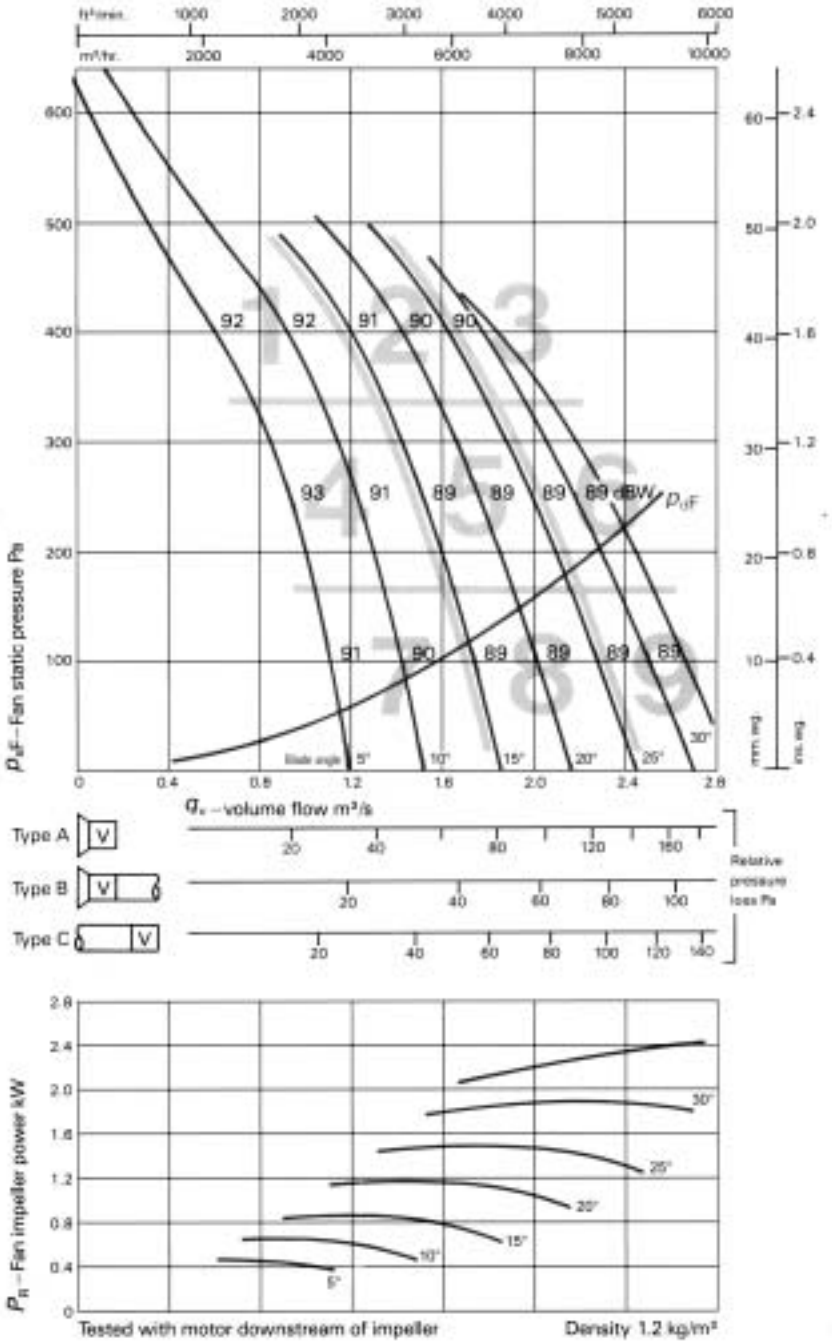
Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation

For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data

The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels

The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards

This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

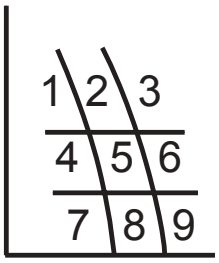
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/10
2880 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−2	−14	−14	−4	−5	−7	−11	−16	−24	−2
		Free Field dB	−3	−25	−21	−7	−6	−7	−11	−16	−24	−4
	Outlet side	In-duct dB	0	−9	−8	−7	−7	−7	−9	−14	−19	−2
		Free Field dB	−1	−20	−15	−10	−8	−7	−9	−14	−19	−5
zone 2	Inlet side	In-duct dB	−1	−9	−14	−8	−7	−7	−11	−14	−21	−4
		Free Field dB	−2	−20	−21	−11	−8	−7	−11	−14	−21	−6
	Outlet side	In-duct dB	0	−8	−9	−7	−6	−9	−11	−15	−19	−4
		Free Field dB	−2	−19	−16	−10	−7	−9	−11	−15	−19	−6
zone 3	Inlet side	In-duct dB	−3	−8	−12	−7	−6	−8	−10	−13	−19	−3
		Free Field dB	−5	−19	−19	−10	−7	−8	−10	−13	−19	−6
	Outlet side	In-duct dB	0	−6	−7	−10	−8	−11	−13	−16	−19	−6
		Free Field dB	−3	−17	−14	−13	−9	−11	−13	−16	−19	−10
zone 4	Inlet side	In-duct dB	−2	−6	−8	−9	−6	−8	−10	−20	−31	−4
		Free Field dB	−4	−17	−15	−12	−7	−8	−10	−20	−31	−7
	Outlet side	In-duct dB	0	−11	−11	−8	−7	−5	−9	−15	−22	−2
		Free Field dB	−1	−22	−18	−11	−8	−5	−9	−15	−22	−4
zone 5	Inlet side	In-duct dB	0	−7	−10	−10	−6	−8	−9	−14	−23	−3
		Free Field dB	−2	−18	−17	−13	−7	−8	−9	−14	−23	−6
	Outlet side	In-duct dB	0	−6	−8	−9	−5	−11	−12	−15	−22	−4
		Free Field dB	−2	−17	−15	−12	−6	−11	−12	−15	−22	−9
zone 6	Inlet side	In-duct dB	−1	−8	−11	−10	−6	−7	−8	−12	−20	−2
		Free Field dB	−2	−19	−18	−13	−7	−7	−8	−12	−20	−4
	Outlet side	In-duct dB	0	−8	−6	−9	−8	−12	−13	−16	−21	−6
		Free Field dB	−3	−19	−13	−12	−9	−12	−13	−16	−21	−10
zone 7	Inlet side	In-duct dB	−1	−10	−12	−12	−5	−8	−13	−17	−26	−5
		Free Field dB	−2	−21	−19	−15	−6	−8	−13	−17	−26	−7
	Outlet side	In-duct dB	0	−8	−8	−8	−6	−10	−15	−18	−23	−5
		Free Field dB	−2	−19	−15	−11	−7	−10	−15	−18	−23	−9
zone 8	Inlet side	In-duct dB	+1	−8	−10	−13	−7	−6	−11	−16	−24	−4
		Free Field dB	0	−19	−17	−16	−8	−6	−11	−16	−24	−6
	Outlet side	In-duct dB	0	−8	−8	−8	−6	−10	−13	−17	−22	−5
		Free Field dB	−2	−19	−15	−11	−7	−10	−13	−17	−22	−8
zone 9	Inlet side	In-duct dB	0	−6	−9	−15	−8	−5	−10	−14	−21	−2
		Free Field dB	−2	−17	−16	−18	−9	−5	−10	−14	−21	−5
	Outlet side	In-duct dB	0	−6	−6	−10	−8	−13	−14	−17	−21	−8
		Free Field dB	−3	−17	−13	−13	−9	−13	−14	−17	−21	−11

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 400/150/10
2880 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

400/150/10/2880/ . . .

where –

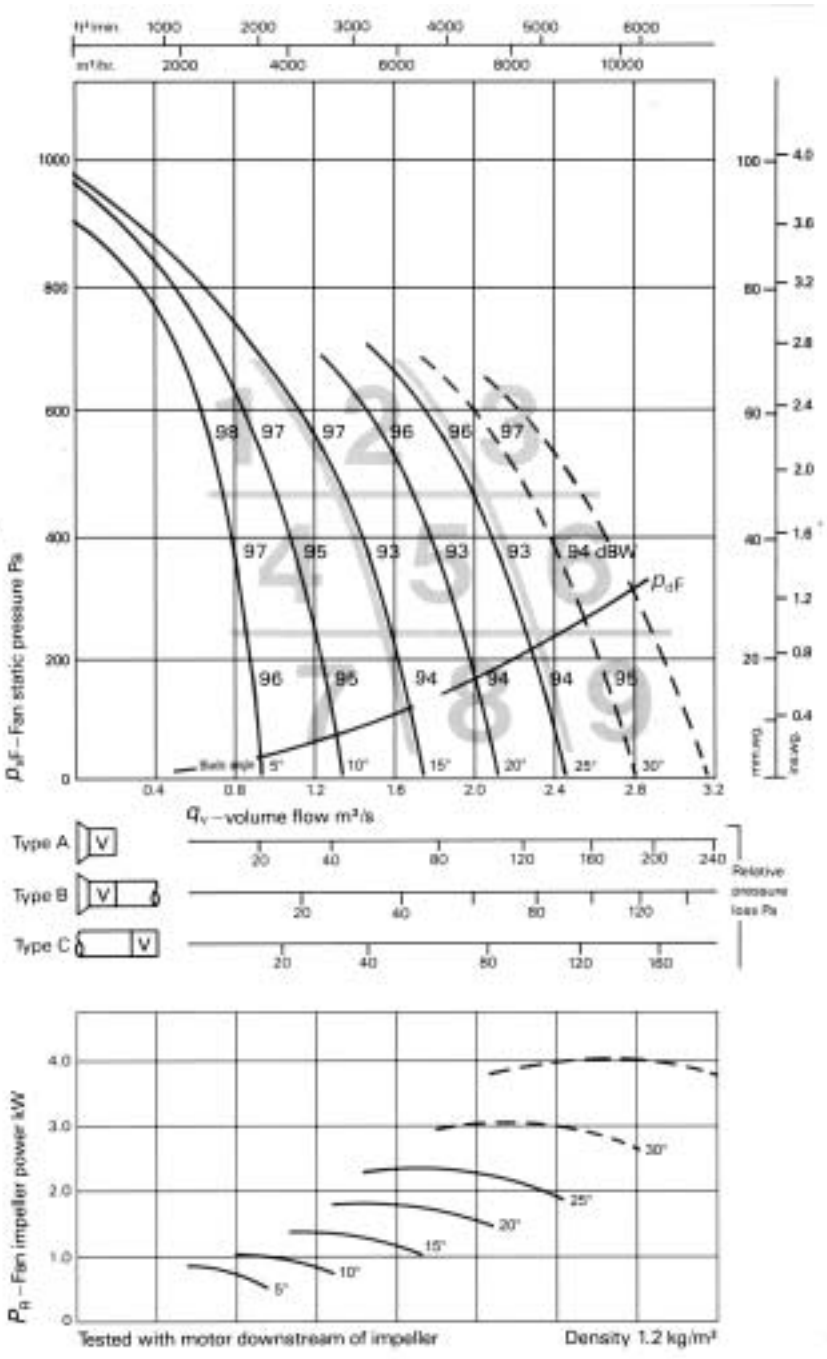
400 – Nominal diameter. mm.
150 – Hub diameter. mm.
10 – Number of blades.
2880 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_{sF} – Fan Static Pressure
p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
p_{tF} – $(p_{sF}+p_{dF})$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_{tF}}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

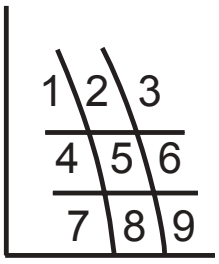
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 500/150/5
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+1	−12	−5	−9	−7	−11	−15	−18	−30	−7
		Free Field dB	−1	−22	−11	−11	−7	−11	−15	−18	−30	−9
	Outlet side	In-duct dB	0	−8	−7	−6	−10	−12	−14	−16	−20	−8
		Free Field dB	−2	−18	−13	−8	−10	−12	−14	−16	−20	−10
zone 2	Inlet side	In-duct dB	+1	−9	−5	−11	−8	−9	−11	−16	−25	−5
		Free Field dB	−1	−19	−11	−13	−8	−9	−11	−16	−25	−7
	Outlet side	In-duct dB	0	−9	−7	−3	−9	−6	−10	−15	−19	−3
		Free Field dB	−1	−19	−13	−10	−9	−6	−10	−15	−19	−5
zone 3	Inlet side	In-duct dB	−1	−7	−6	−11	−9	−9	−12	−15	−23	−5
		Free Field dB	−3	−17	−12	−13	−9	−9	−12	−15	−23	−8
	Outlet side	In-duct dB	0	−6	−8	−8	−10	−12	−14	−17	−22	−7
		Free Field dB	−3	−16	−14	−10	−10	−12	−14	−17	−22	−11
zone 4	Inlet side	In-duct dB	−1	−9	−5	−7	−8	−11	−13	−16	−26	−6
		Free Field dB	−3	−19	−11	−9	−8	−11	−13	−16	−26	−8
	Outlet side	In-duct dB	0	−9	−4	−11	−11	−12	−14	−18	−25	−8
		Free Field dB	−3	−19	−10	−13	−11	−12	−14	−18	−25	−12
zone 5	Inlet side	In-duct dB	+1	−6	−7	−10	−9	−10	−12	−15	−27	−6
		Free Field dB	−1	−16	−13	−12	−9	−10	−12	−15	−27	−9
	Outlet side	In-duct dB	0	−5	−8	−9	−12	−9	−12	−15	−25	−6
		Free Field dB	−3	−15	−14	−11	−12	−9	−12	−15	−25	−9
zone 6	Inlet side	In-duct dB	0	−7	−8	−9	−9	−10	−12	−17	−25	−6
		Free Field dB	−2	−17	−14	−11	−9	−10	−12	−17	−25	−9
	Outlet side	In-duct dB	0	−6	−6	−10	−9	−10	−13	−19	−24	−6
		Free Field dB	−3	−16	−12	−12	−9	−10	−13	−19	−24	−10
zone 7	Inlet side	In-duct dB	+1	−9	−4	−11	−12	−11	−13	−16	−27	−7
		Free Field dB	−2	−19	−10	−13	−12	−11	−13	−16	−27	−11
	Outlet side	In-duct dB	0	−13	−2	−11	−11	−10	−14	−20	−28	−7
		Free Field dB	−3	−23	−8	−13	−11	−10	−14	−20	−28	−11
zone 8	Inlet side	In-duct dB	−1	−7	−7	−10	−9	−9	−11	−13	−25	−5
		Free Field dB	−3	−17	−13	−12	−9	−9	−11	−13	−25	−7
	Outlet side	In-duct dB	0	−7	−7	−9	−12	−9	−12	−15	−25	−6
		Free Field dB	−2	−17	−13	−11	−12	−9	−12	−15	−25	−9
zone 9	Inlet side	In-duct dB	0	−7	−5	−10	−11	−14	−16	−17	−24	−10
		Free Field dB	−3	−17	−11	−12	−11	−14	−16	−17	−24	−13
	Outlet side	In-duct dB	0	−8	−4	−9	−11	−10	−13	−18	−26	−6
		Free Field dB	−3	−18	−10	−11	−11	−10	−13	−18	−26	−10

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 500/150/5
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

500/150/5/1440/ . . .

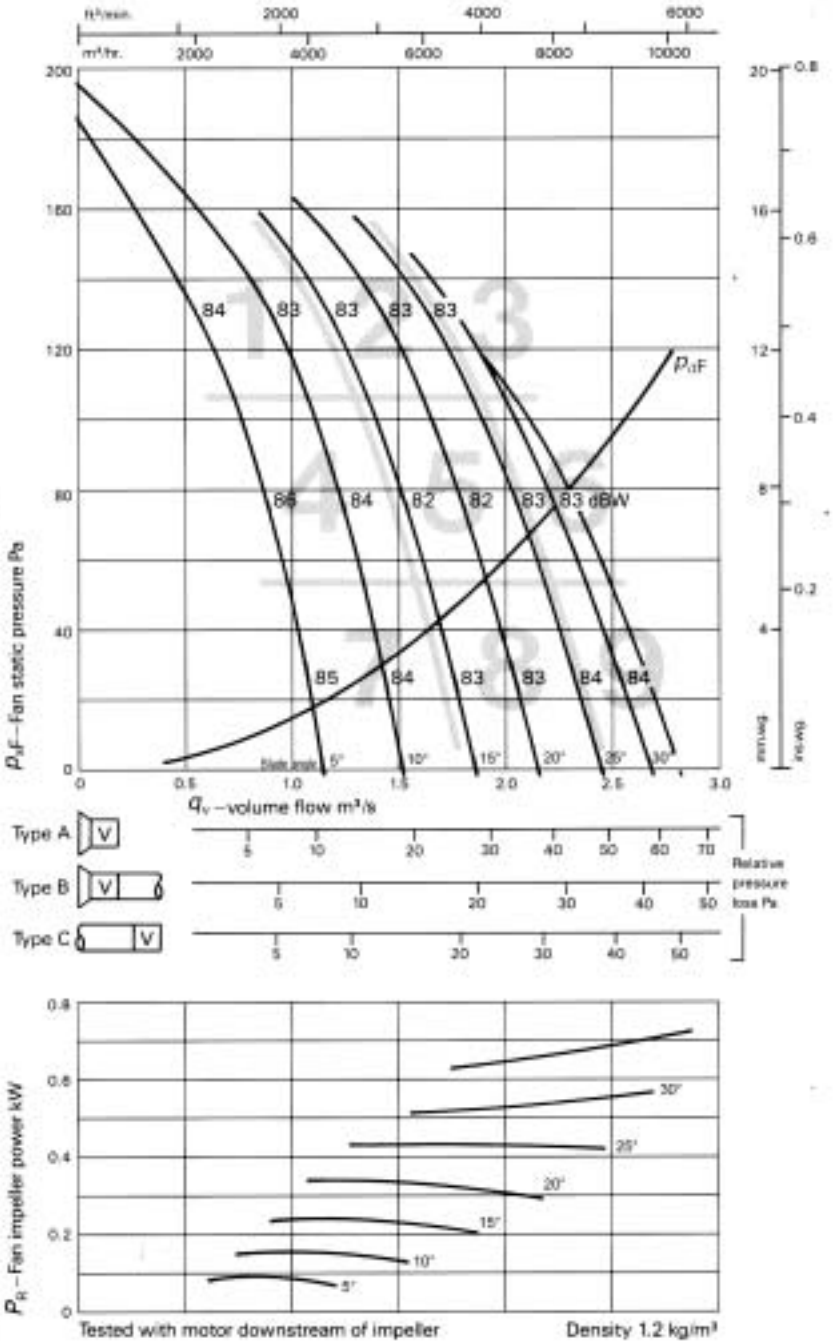
where –
- 500 – Nominal diameter. mm.
- 150 – Hub diameter. mm.
- 5 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_sF – Fan Static Pressure
- p_dF – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – ($p_sF + p_dF$) – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

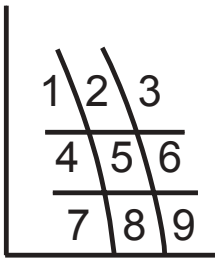
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 500/150/10
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−20	−8	−6	−5	−7	−14	−21	−32	−4
		Free Field dB	−1	−30	−14	−8	−5	−7	−14	−21	−32	−5
	Outlet side	In-duct dB	0	−12	−12	−6	−6	−10	−14	−18	−30	−6
		Free Field dB	−1	−22	−18	−8	−6	−10	−14	−18	−30	−7
zone 2	Inlet side	In-duct dB	0	−12	−10	−8	−7	−6	−10	−14	−28	−3
		Free Field dB	−1	−22	−16	−10	−7	−6	−10	−14	−28	−4
	Outlet side	In-duct dB	0	−12	−10	−6	−7	−8	−10	−14	−24	−4
		Free Field dB	−1	−22	−16	−8	−7	−8	−10	−14	−24	−5
zone 3	Inlet side	In-duct dB	−2	−12	−9	−8	−6	−6	−9	−12	−20	−2
		Free Field dB	−3	−22	−15	−10	−6	−6	−9	−12	−20	−4
	Outlet side	In-duct dB	0	−8	−10	−7	−10	−10	−11	−13	−20	−5
		Free Field dB	−2	−18	−16	−9	−10	−10	−11	−13	−20	−8
zone 4	Inlet side	In-duct dB	−2	−17	−12	−6	−5	−6	−12	−16	−26	−3
		Free Field dB	−2	−27	−18	−8	−5	−6	−12	−16	−26	−4
	Outlet side	In-duct dB	0	−15	−15	−10	−8	−10	−13	−18	−28	−9
		Free Field dB	−1	−25	−21	−12	−8	−10	−13	−18	−28	−10
zone 5	Inlet side	In-duct dB	0	−11	−10	−10	−8	−5	−8	−10	−22	−1
		Free Field dB	0	−21	−16	−12	−8	−5	−8	−10	−22	−2
	Outlet side	In-duct dB	0	−11	−10	−8	−9	−7	−10	−13	−20	−4
		Free Field dB	−1	−21	−16	−10	−9	−7	−10	−13	−20	−5
zone 6	Inlet side	In-duct dB	−1	−13	−11	−10	−8	−5	−8	−9	−20	−1
		Free Field dB	−1	−23	−17	−12	−8	−5	−8	−9	−20	−2
	Outlet side	In-duct dB	0	−7	−10	−7	−10	−11	−12	−14	−21	−6
		Free Field dB	−2	−17	−16	−9	−10	−11	−12	−14	−21	−9
zone 7	Inlet side	In-duct dB	−2	−13	−12	−10	−6	−6	−9	−12	−28	−2
		Free Field dB	−2	−23	−18	−12	−6	−6	−9	−12	−28	−3
	Outlet side	In-duct dB	0	−13	−12	−8	−7	−10	−14	−19	−30	−8
		Free Field dB	−1	−23	−18	−10	−7	−10	−14	−19	−30	−9
zone 8	Inlet side	In-duct dB	0	−11	−11	−10	−7	−5	−8	−12	−26	−2
		Free Field dB	0	−21	−17	−12	−7	−5	−8	−12	−26	−3
	Outlet side	In-duct dB	0	−9	−11	−8	−8	−8	−8	−12	−24	−3
		Free Field dB	−1	−19	−17	−10	−8	−8	−8	−12	−24	−5
zone 9	Inlet side	In-duct dB	−2	−11	−11	−12	−7	−5	−8	−11	−24	−2
		Free Field dB	−2	−21	−17	−14	−7	−5	−8	−11	−24	−2
	Outlet side	In-duct dB	0	−7	−9	−8	−9	−10	−12	−18	−27	−6
		Free Field dB	−2	−17	−15	−10	−9	−10	−12	−18	−27	−9

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 500/150/10
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

500/150/10/1440/. . .

where –

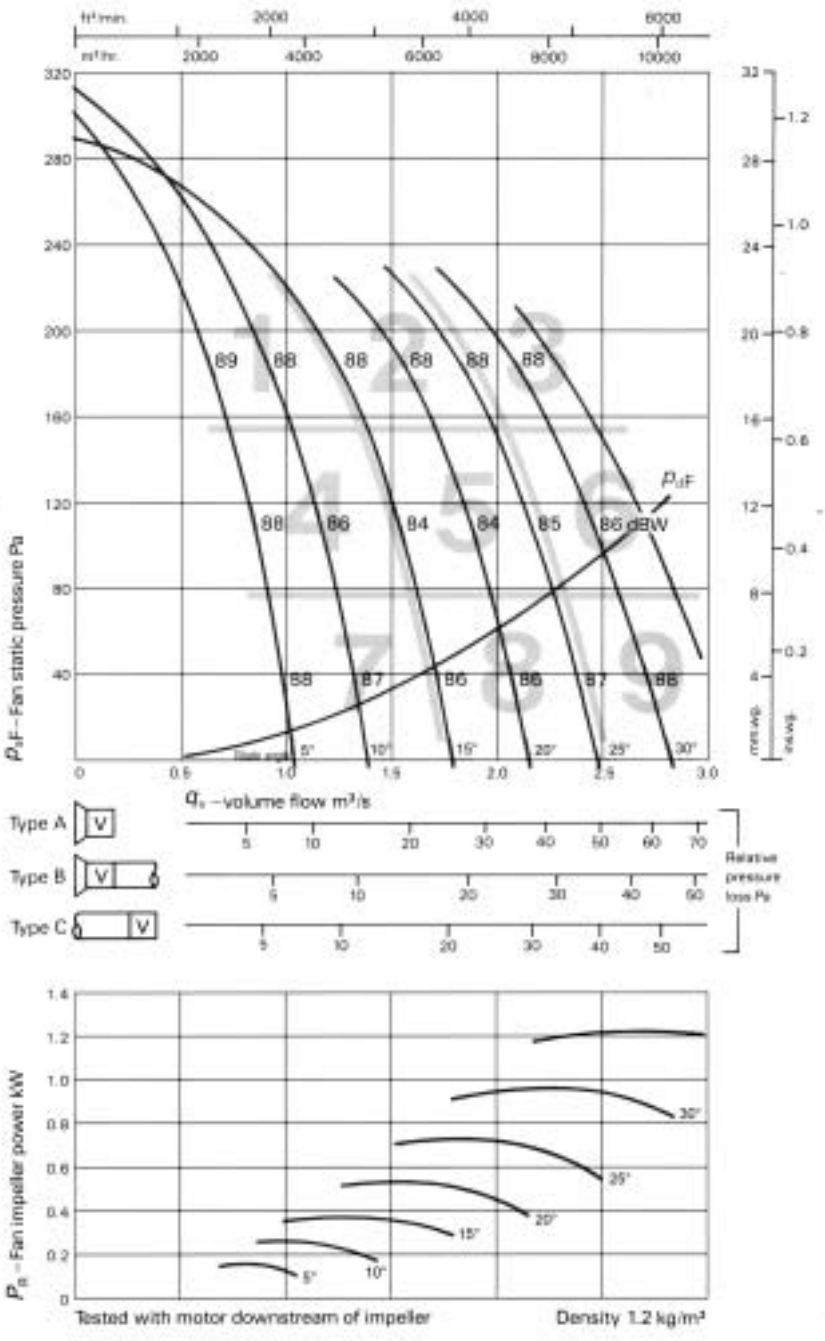
500 – Nominal diameter. mm.
150 – Hub diameter. mm.
10 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_{sF} – Fan Static Pressure
p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
p_{tF} – ($p_{sF}+p_{dF}$) – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_{tF}}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

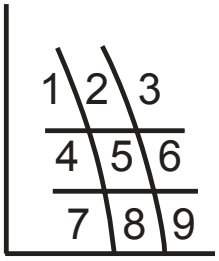
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/150/5
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 µ. Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+1	−12	−5	−8	−8	−9	−13	−21	−28	−6
		Free Field dB	−1	−21	−10	−10	−8	−9	−13	−21	−28	−8
	Outlet side	In-duct dB	0	−9	−7	−7	−4	−10	−11	−14	−18	−2
		Free Field dB	−1	−18	−12	−9	−4	−10	−11	−14	−18	−4
zone 2	Inlet side	In-duct dB	+2	−7	−5	−1	−8	−10	−11	−15	−24	−1
		Free Field dB	0	−16	−10	−3	−8	−10	−11	−15	−24	−5
	Outlet side	In-duct dB	0	−8	−7	−9	−10	−6	−10	−13	−18	−3
		Free Field dB	−1	−17	−12	−11	−10	−6	−10	−13	−18	−5
zone 3	Inlet side	In-duct dB	0	−7	−6	−9	−9	−10	−10	−14	−23	−5
		Free Field dB	−2	−16	−11	−11	−9	−10	−10	−14	−23	−7
	Outlet side	In-duct dB	0	−6	−8	−10	−9	−14	−16	−18	−22	−9
		Free Field dB	−2	−15	−13	−12	−9	−14	−16	−18	−22	−13
zone 4	Inlet side	In-duct dB	−2	−7	−5	−10	−11	−13	−16	−19	−30	−9
		Free Field dB	−5	−16	−10	−12	−11	−13	−16	−19	−30	−13
	Outlet side	In-duct dB	0	−10	−3	−12	−12	−13	−15	−18	−25	−9
		Free Field dB	−3	−19	−8	−14	−12	−13	−15	−18	−25	−13
zone 5	Inlet side	In-duct dB	0	−5	−6	−10	−10	−11	−13	−15	−28	−6
		Free Field dB	−3	−14	−11	−12	−10	−11	−13	−15	−28	−10
	Outlet side	In-duct dB	0	−5	−7	−10	−12	−9	−12	−14	−22	−5
		Free Field dB	−3	−14	−12	−12	−12	−9	−12	−14	−22	−9
zone 6	Inlet side	In-duct dB	0	−5	−7	−9	−11	−12	−14	−17	−23	−8
		Free Field dB	−3	−14	−12	−11	−11	−12	−14	−17	−23	−11
	Outlet side	In-duct dB	0	−6	−6	−10	−11	−10	−14	−17	−24	−7
		Free Field dB	−3	−15	−11	−12	−11	−10	−14	−17	−24	−10
zone 7	Inlet side	In-duct dB	−2	−6	−4	−10	−11	−12	−13	−15	−27	−6
		Free Field dB	−5	−15	−9	−12	−11	−12	−13	−15	−27	−10
	Outlet side	In-duct dB	0	−13	−2	−12	−10	−12	−14	−20	−28	−7
		Free Field dB	−2	−22	−7	−14	−10	−12	−14	−20	−28	−11
zone 8	Inlet side	In-duct dB	−1	−6	−6	−10	−9	−10	−12	−14	−25	−5
		Free Field dB	−3	−15	−11	−12	−9	−10	−12	−14	−25	−8
	Outlet side	In-duct dB	0	−5	−6	−10	−12	−10	−12	−15	−24	−6
		Free Field dB	−3	−14	−11	−12	−12	−10	−12	−15	−24	−9
zone 9	Inlet side	In-duct dB	0	−6	−5	−10	−12	−14	−15	−17	−24	−9
		Free Field dB	−3	−15	−10	−12	−12	−14	−15	−17	−24	−13
	Outlet side	In-duct dB	0	−7	−3	−10	−10	−11	−15	−18	−27	−6
		Free Field dB	−3	−16	−8	−12	−10	−11	−15	−18	−27	−10

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/150/5
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

560/150/5/1440/ . . .

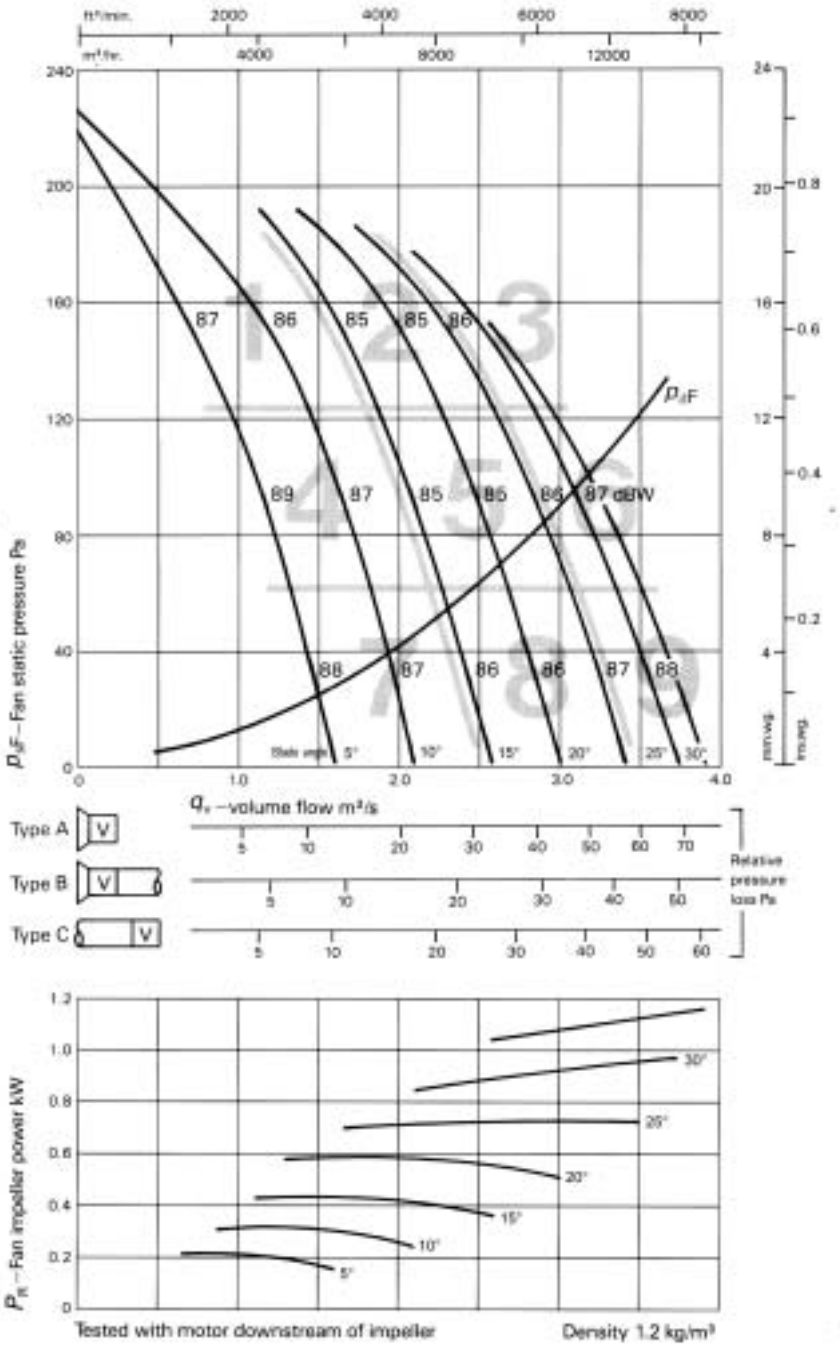
where –
560 – Nominal diameter, mm.
150 – Hub diameter, mm.
5 – Number of blades.
1440 – Fan speed, rev/min.
. . . – Blade angle, degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

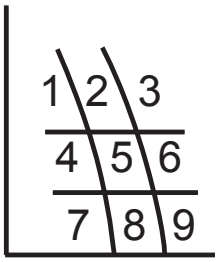
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/150/10
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	-22	-12	-7	-6	-8	-15	-22	-33	-6
		Free Field dB	0	-31	-17	-9	-6	-8	-15	-22	-33	-7
	Outlet side	In-duct dB	0	-14	-13	-7	-5	-9	-13	-18	-29	-5
		Free Field dB	0	-23	-18	-9	-5	-9	-13	-18	-29	-6
zone 2	Inlet side	In-duct dB	+1	-14	-15	-8	-5	-6	-10	-14	-27	-2
		Free Field dB	0	-23	-20	-10	-5	-6	-10	-14	-27	-3
	Outlet side	In-duct dB	0	-13	-14	-7	-6	-7	-9	-13	-20	-3
		Free Field dB	0	-22	-19	-9	-6	-7	-9	-13	-20	-4
zone 3	Inlet side	In-duct dB	-1	-14	-14	-8	-6	-8	-9	-11	-20	-3
		Free Field dB	-2	-23	-19	-10	-6	-8	-9	-11	-20	-4
	Outlet side	In-duct dB	0	-7	-10	-7	-9	-10	-11	-13	-20	-5
		Free Field dB	-2	-16	-15	-9	-9	-10	-11	-13	-20	-7
zone 4	Inlet side	In-duct dB	-2	-14	-14	-5	-5	-7	-14	-18	-24	-4
		Free Field dB	-2	-23	-19	-7	-5	-7	-14	-18	-24	-5
	Outlet side	In-duct dB	0	-14	-15	-10	-6	-8	-11	-17	-26	-6
		Free Field dB	0	-23	-20	-12	-6	-8	-11	-17	-26	-7
zone 5	Inlet side	In-duct dB	0	-10	-12	-9	-8	-6	-9	-11	-20	-3
		Free Field dB	0	-19	-17	-11	-8	-6	-9	-11	-20	-4
	Outlet side	In-duct dB	0	-8	-8	-9	-10	-10	-11	-14	-19	-6
		Free Field dB	-2	-17	-13	-11	-10	-10	-11	-14	-19	-8
zone 6	Inlet side	In-duct dB	0	-11	-13	-8	-8	-6	-9	-10	-18	-3
		Free Field dB	0	-20	-18	-10	-8	-6	-9	-10	-18	-3
	Outlet side	In-duct dB	0	-8	-10	-7	-9	-11	-12	-14	-20	-6
		Free Field dB	-1	-17	-15	-9	-9	-11	-12	-14	-20	-8
zone 7	Inlet side	In-duct dB	-2	-11	-13	-9	-5	-7	-10	-13	-26	-3
		Free Field dB	-2	-20	-18	-11	-5	-7	-10	-13	-26	-4
	Outlet side	In-duct dB	0	-12	-12	-8	-7	-10	-12	-16	-25	-6
		Free Field dB	-1	-21	-17	-10	-7	-10	-12	-16	-25	-8
zone 8	Inlet side	In-duct dB	-1	-9	-12	-9	-7	-6	-9	-12	-24	-2
		Free Field dB	-2	-18	-17	-11	-7	-6	-9	-12	-24	-4
	Outlet side	In-duct dB	0	-7	-12	-8	-8	-9	-8	-12	-21	-3
		Free Field dB	-2	-16	-17	-10	-8	-9	-8	-12	-21	-6
zone 9	Inlet side	In-duct dB	-1	-9	-12	-10	-7	-6	-9	-11	-23	-2
		Free Field dB	-1	-18	-17	-12	-7	-6	-9	-11	-23	-3
	Outlet side	In-duct dB	0	-6	-12	-8	-9	-10	-11	-13	-26	-5
		Free Field dB	-2	-15	-17	-10	-9	-10	-11	-13	-26	-8

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/150/10
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

560/150/10/1440/ . . .

where–

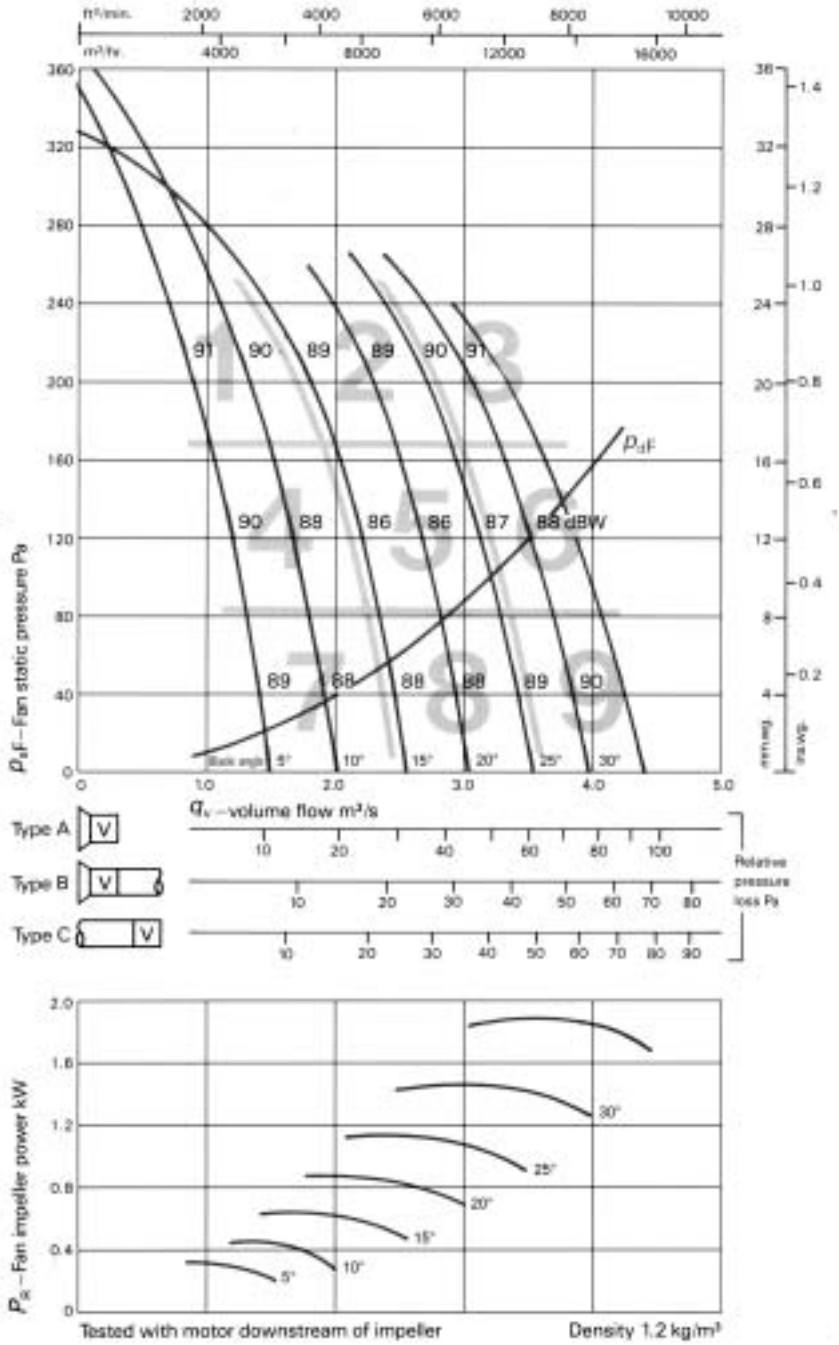
560 – Nominal diameter. mm.
150 – Hub diameter. mm.
10 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

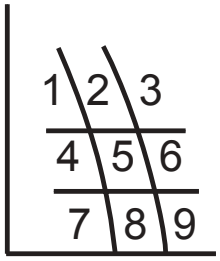
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−19	−13	−10	−2	−7	−13	−20	−29	−2
		Free Field dB	0	−28	−18	−12	−2	−7	−13	−20	−29	−3
	Outlet side	In-duct dB	0	−9	−8	−11	−11	−10	−12	−15	−24	−8
		Free Field dB	−2	−18	−13	−13	−11	−10	−12	−15	−24	−10
zone 2	Inlet side	In-duct dB	0	−12	−10	−8	−6	−7	−10	−13	−21	−3
		Free Field dB	−1	−21	−15	−10	−6	−7	−10	−13	−21	−4
	Outlet side	In-duct dB	0	−11	−8	−8	−9	−10	−10	−12	−16	−5
		Free Field dB	−1	−20	−13	−10	−9	−10	−10	−12	−16	−6
zone 3	Inlet side	In-duct dB	−2	−11	−7	−4	−8	−11	−16	−17	−23	−5
		Free Field dB	−3	−20	−12	−6	−8	−11	−16	−17	−23	−8
	Outlet side	In-duct dB	0	−6	−7	−8	−10	−12	−14	−16	−26	−7
		Free Field dB	−2	−15	−12	−10	−10	−12	−14	−16	−26	−10
zone 4	Inlet side	In-duct dB	−2	−15	−17	−12	−8	−6	−9	−17	−28	−5
		Free Field dB	−2	−24	−22	−14	−8	−6	−9	−17	−28	−6
	Outlet side	In-duct dB	0	−10	−5	−9	−10	−12	−15	−17	−24	−8
		Free Field dB	−2	−19	−10	−11	−10	−12	−15	−17	−24	−11
zone 5	Inlet side	In-duct dB	0	−5	−9	−7	−10	−11	−12	−15	−20	−6
		Free Field dB	−2	−14	−14	−9	−10	−11	−12	−15	−20	−9
	Outlet side	In-duct dB	0	−4	−8	−8	−11	−13	−12	−12	−16	−5
		Free Field dB	−3	−13	−13	−10	−11	−13	−12	−12	−16	−8
zone 6	Inlet side	In-duct dB	−3	−4	−6	−7	−9	−16	−17	−19	−28	−8
		Free Field dB	−6	−13	−11	−9	−9	−16	−17	−19	−28	−12
	Outlet side	In-duct dB	0	−4	−8	−9	−12	−14	−16	−18	−27	−9
		Free Field dB	−3	−13	−13	−11	−12	−14	−16	−18	−27	−13
zone 7	Inlet side	In-duct dB	0	−8	−11	−7	−8	−10	−14	−18	−22	−7
		Free Field dB	−1	−17	−16	−9	−8	−10	−14	−18	−22	−9
	Outlet side	In-duct dB	0	−10	−6	−10	−9	−11	−13	−19	−29	−8
		Free Field dB	−2	−19	−11	−12	−9	−11	−13	−19	−29	−10
zone 8	Inlet side	In-duct dB	+2	−7	−10	−9	−9	−12	−13	−15	−20	−7
		Free Field dB	0	−16	−15	−11	−9	−12	−13	−15	−20	−10
	Outlet side	In-duct dB	0	−5	−9	−10	−10	−13	−12	−14	−17	−7
		Free Field dB	−2	−14	−14	−12	−10	−13	−12	−14	−17	−10
zone 9	Inlet side	In-duct dB	−4	−6	−6	−8	−9	−14	−17	−19	−25	−8
		Free Field dB	−6	−15	−11	−10	−9	−14	−17	−19	−25	−12
	Outlet side	In-duct dB	0	−5	−6	−9	−10	−14	−15	−18	−28	−9
		Free Field dB	−3	−14.	−11	−11	−10	−14	−15	−18	−28	−12

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code

The full fan code uniquely identifies the principle geometry of the fan.

560/250/7/1440/...

where–

560 – Nominal diameter, mm.
250 – Hub diameter, mm.
7 – Number of blades.
1440 – Fan speed, rev/min.
... – Blade angle, degs.

Symbols

q_v – Volume flow
p_{sF} – Fan Static Pressure
p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
p_{tF} – ($p_{sF}+p_{dF}$) – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

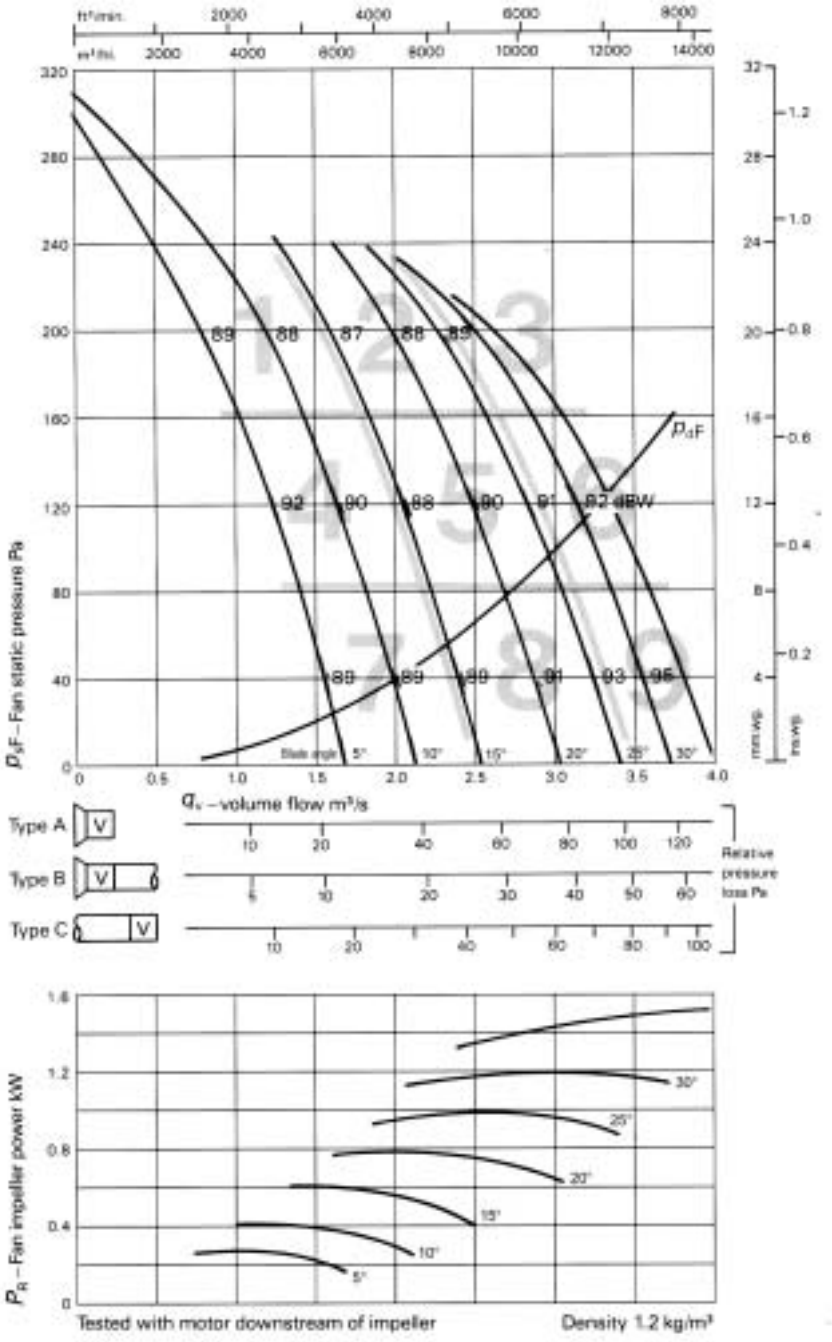
Fan total efficiency % $= \dfrac{q_v \times p_{tF}}{10\,P_R}$

Installation

For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data

The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels

The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards

This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

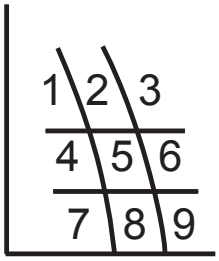
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+1	−29	−24	−13	−2	−6	−13	−22	−33	−2
		Free Field dB	+1	−38	−29	−15	−2	−6	−13	−22	−33	−2
	Outlet side	In-duct dB	0	−10	−9	−6	−6	−10	−13	−15	−22	−5
		Free Field dB	−1	−19	−14	−8	−6	−10	−13	−15	−22	−7
zone 2	Inlet side	In-duct dB	+2	−16	−19	−9	−5	−6	−11	−15	−25	−3
		Free Field dB	+1	−25	−24	−11	−5	−6	−11	−15	−25	−4
	Outlet side	In-duct dB	0	−13	−17	−8	−5	−8	−10	−12	−18	−3
		Free Field dB	0	−22	−22	−10	−5	−8	−10	−12	−18	−4
zone 3	Inlet side	In-duct dB	−1	−15	−11	−5	−8	−13	−17	−19	−29	−8
		Free Field dB	−2	−24	−16	−7	−8	−13	−17	−19	−29	−10
	Outlet side	In-duct dB	0	−9	−9	−6	−7	−11	−13	−16	−24	−6
		Free Field dB	−1	−18	−14	−8	−7	−11	−13	−16	−24	−8
zone 4	Inlet side	In-duct dB	0	−22	−25	−10	−5	−5	−7	−17	−31	−2
		Free Field dB	0	−31	−30	−12	−5	−5	−7	−17	−31	−2
	Outlet side	In-duct dB	0	−9	−9	−8	−8	−10	−12	−16	−24	−6
		Free Field dB	−1	−18	−14	−10	−8	−10	−12	−16	−24	−8
zone 5	Inlet side	In-duct dB	+2	−12	−17	−8	−7	−8	−10	−12	−23	−4
		Free Field dB	0	−21	−22	−10	−7	−8	−10	−12	−23	−6
	Outlet side	In-duct dB	0	−7	−16	−9	−8	−8	−9	−11	−16	−3
		Free Field dB	−1	−16	−21	−11	−8	−8	−9	−11	−16	−5
zone 6	Inlet side	In-duct dB	−1	−11	−12	−5	−5	−13	−17	−19	−31	−6
		Free Field dB	−2	−20	−17	−7	−5	−13	−17	−19	−31	−7
	Outlet side	In-duct dB	0	−7	−10	−9	−8	−10	−11	−18	−28	−6
		Free Field dB	−2	−16	−15	−11	−8	−10	−11	−18	−28	−8
zone 7	Inlet side	In-duct dB	+2	−12	−15	−10	−5	−6	−9	−12	−25	−2
		Free Field dB	+1	−21	−20	−12	−5	−6	−9	−12	−25	−3
	Outlet side	In-duct dB	0	−7	−9	−6	−7	−12	−15	−19	−27	−6
		Free Field dB	−2	−16	−14	−8	−7	−12	−15	−19	−27	−9
zone 8	Inlet side	In-duct dB	+1	−9	−14	−7	−6	−8	−8	−10	−23	−2
		Free Field dB	0	−18	−19	−9	−6	−8	−8	−10	−23	−3
	Outlet side	In-duct dB	0	−7	−13	−8	−6	−9	−7	−10	−19	−1
		Free Field dB	−1	−16	−18	−10	−6	−9	−7	−10	−19	−3
zone 9	Inlet side	In-duct dB	−3	−11	−14	−9	−6	−11	−12	−14	−28	−7
		Free Field dB	−4	−20	−19	−11	−6	−11	−12	−14	−28	−9
	Outlet side	In-duct dB	0	−6	−15	−9	−8	−11	−14	−16	−25	−7
		Free Field dB	−2	−15	−20	−11	−8	−11	−14	−16	−25	−10

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 560/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

560/250/14/1440/ . . .

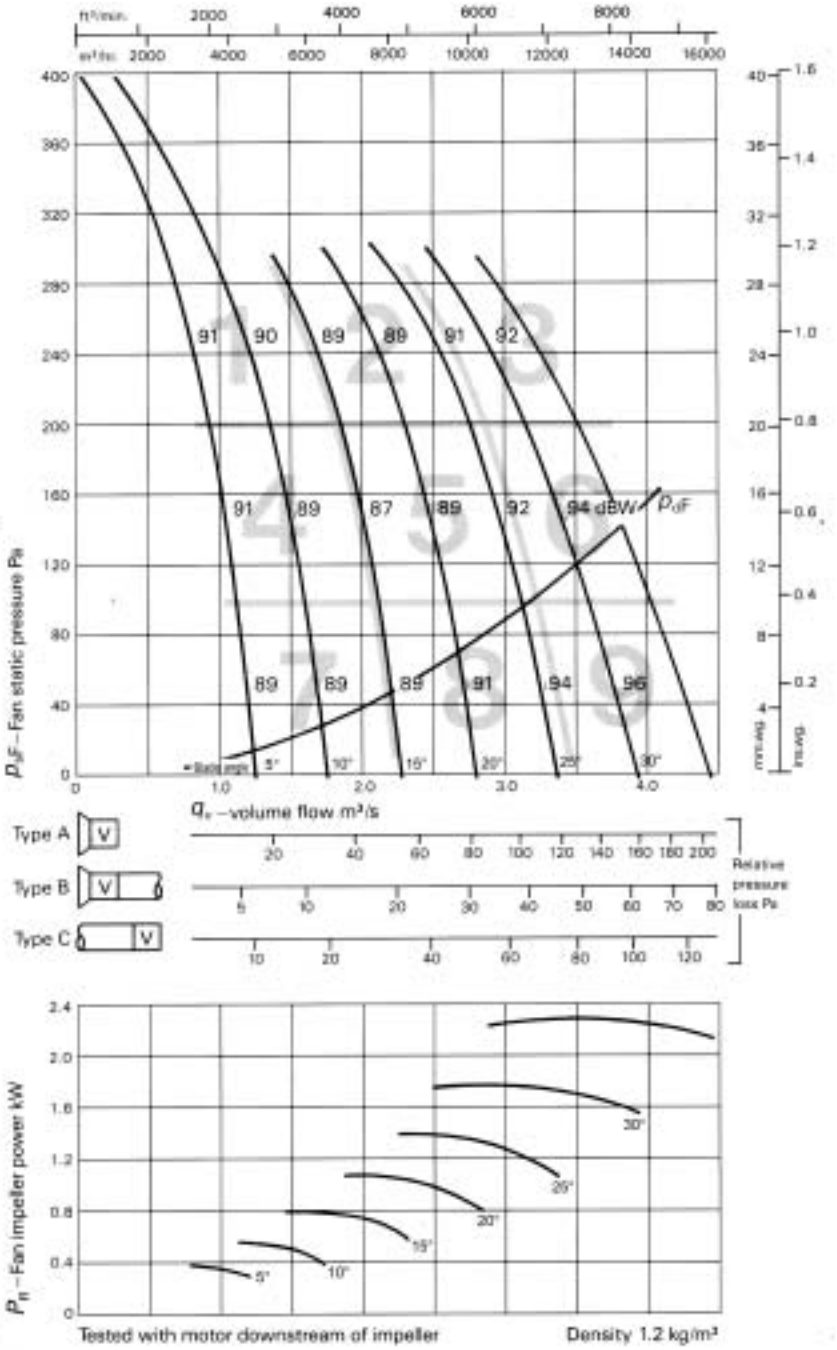
where –
- 560 – Nominal diameter. mm.
- 250 – Hub diameter. mm.
- 14 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_sF – Fan Static Pressure
- p_dF – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

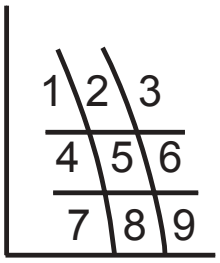
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/150/5
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+4	−8	−4	−10	−10	−9	−12	−17	−28	−5
		Free Field dB	+1	−16	−9	−11	−10	−9	−12	−17	−28	−8
	Outlet side	In-duct dB	0	−10	−7	−11	−9	−8	−8	−11	−23	−3
		Free Field dB	−1	−18	−12	−12	−9	−8	−8	−11	−23	−5
zone 2	Inlet side	In-duct dB	+4	−5	−5	−12	−10	−10	−12	−15	−24	−5
		Free Field dB	+1	−13	−10	−13	−10	−10	−12	−15	−24	−9
	Outlet side	In-duct dB	0	−6	−7	−10	−11	−9	−10	−11	−19	−4
		Free Field dB	−3	−14	−12	−11	−11	−9	−10	−11	−19	−7
zone 3	Inlet side	In-duct dB	+3	−7	−5	−10	−8	−10	−13	−15	−21	−5
		Free Field dB	0	−15	−10	−11	−8	−10	−13	−15	−21	−8
	Outlet side	In-duct dB	0	−7	−8	−10	−9	−10	−11	−13	−21	−5
		Free Field dB	−1	−15	−13	−11	−9	−10	−11	−13	−21	−7
zone 4	Inlet side	In-duct dB	−3	−6	−4	−12	−10	−10	−13	−19	−24	−6
		Free Field dB	−6	−14	−9	−13	−10	−10	−13	−19	−24	−9
	Outlet side	In-duct dB	0	−11	−2	−14	−13	−14	−16	−18	−25	−9
		Free Field dB	−3	−19	−7	−15	−13	−14	−16	−18	−25	−13
zone 5	Inlet side	In-duct dB	−1	−5	−6	−11	−10	−11	−13	−16	−28	−7
		Free Field dB	−4	−13	−11	−12	−10	−11	−13	−16	−28	−10
	Outlet side	In-duct dB	0	−5	−6	−11	−12	−10	−12	−14	−18	−6
		Free Field dB	−2	−13	−11	−12	−12	−10	−12	−14	−18	−9
zone 6	Inlet side	In-duct dB	−2	−6	−7	−11	−10	−11	−14	−16	−26	−8
		Free Field dB	−4	−14	−12	−12	−10	−11	−14	−16	−26	−10
	Outlet side	In-duct dB	0	−6	−7	−11	−10	−11	−14	−17	−25	−8
		Free Field dB	−2	−14	−12	−12	−10	−11	−14	−17	−25	−10
zone 7	Inlet side	In-duct dB	−3	−8	−5	−11	−9	−11	−15	−18	−26	−7
		Free Field dB	−5	−16	−10	−12	−9	−11	−15	−18	−26	−10
	Outlet side	In-duct dB	0	−13	−2	−12	−10	−13	−15	−20	−28	−8
		Free Field dB	−2	−21	−7	−13	−10	−13	−15	−20	−28	−11
zone 8	Inlet side	In-duct dB	−1	−6	−5	−9	−10	−11	−14	−16	−26	−6
		Free Field dB	−3	−14	−10	−10	−10	−11	−14	−16	−26	−9
	Outlet side	In-duct dB	0	−4	−6	−11	−12	−10	−13	−15	−23	−6
		Free Field dB	−3	−12	−11	−12	−12	−10	−13	−15	−23	−10
zone 9	Inlet side	In-duct dB	−3	−8	−7	−8	−9	−11	−13	−16	−25	−7
		Free Field dB	−5	−16	−12	−9	−9	−11	−13	−16	−25	−9
	Outlet side	In-duct dB	0	−7	−3	−10	−11	−13	−16	−19	−27	−9
		Free Field dB	−3	−15	−8	−11	−11	−13	−16	−19	−27	−12

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/150/5
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

630/150/5/1440/ . . .

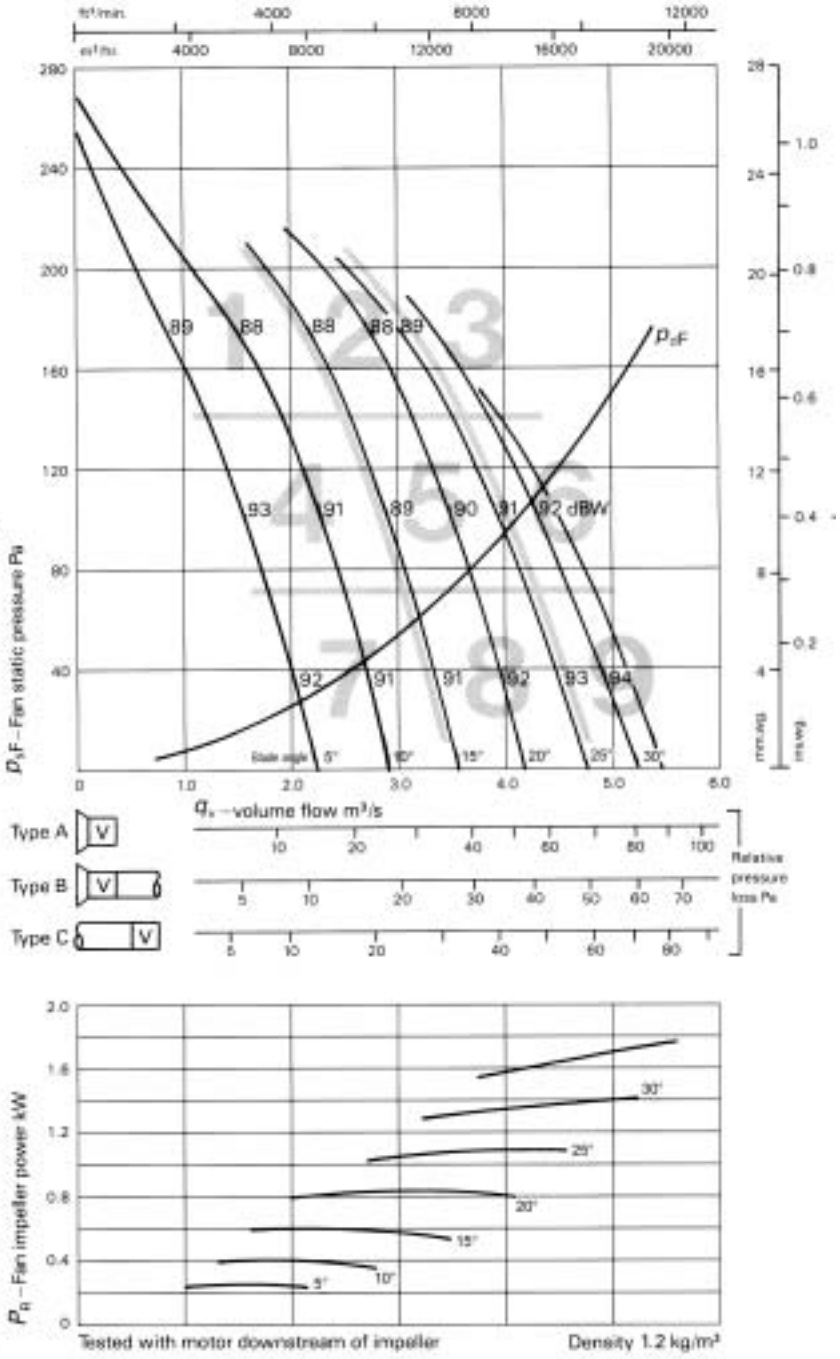
where –
630 – Nominal diameter. mm.
150 – Hub diameter. mm.
5 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

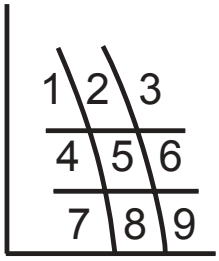
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/150/10
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+1	−27	−25	−16	−2	−9	−17	−24	−32	−4
		Free Field dB	+1	−35	−30	−17	−2	−9	−17	−24	−32	−4
	Outlet side	In-duct dB	0	−16	−14	−8	−4	−8	−13	−18	−29	−4
		Free Field dB	0	−24	−19	−9	−4	−8	−13	−18	−29	−5
zone 2	Inlet side	In-duct dB	+2	−17	−20	−9	−4	−6	−10	−14	−26	−2
		Free Field dB	+1	−25	−25	−10	−4	−6	−10	−14	−26	−3
	Outlet side	In-duct dB	0	−14	−17	−9	−5	−6	−7	−11	−17	−1
		Free Field dB	0	−22	−22	−10	−5	−6	−7	−11	−17	−1
zone 3	Inlet side	In-duct dB	0	−18	−19	−7	−4	−6	−8	−10	−20	0
		Free Field dB	0	−26	−24	−8	−4	−6	−8	−10	−20	−1
	Outlet side	In-duct dB	0	−7	−11	−8	−9	−9	−10	−13	−20	−5
		Free Field dB	−1	−15	−16	−9	−9	−9	−10	−13	−20	−6
zone 4	Inlet side	In-duct dB	−2	−12	−17	−3	−6	−8	−15	−19	−24	−4
		Free Field dB	−2	−20	−22	−4	−6	−8	−15	−19	−24	−5
	Outlet side	In-duct dB	0	−14	−15	−11	−5	−6	−9	−16	−25	−3
		Free Field dB	0	−22	−20	−12	−5	−6	−9	−16	−25	−4
zone 5	Inlet side	In-duct dB	0	−6	−15	−8	−9	−7	−10	−11	−19	−3
		Free Field dB	−1	−14	−20	−9	−9	−7	−10	−11	−19	−4
	Outlet side	In-duct dB	0	−6	−14	−6	−8	−7	−10	−12	−16	−2
		Free Field dB	−1	−14	−19	−7	−8	−7	−10	−12	−16	−4
zone 6	Inlet side	In-duct dB	−1	−9	−16	−8	−9	−7	−10	−10	−17	−3
		Free Field dB	−1	−17	−21	−9	−9	−7	−10	−10	−17	−4
	Outlet side	In-duct dB	0	−9	−10	−7	−9	−10	−12	−13	−20	−6
		Free Field dB	−1	−17	−15	−8	−9	−10	−12	−13	−20	−7
zone 7	Inlet side	In-duct dB	−2	−9	−13	−10	−8	−7	−10	−12	−22	−4
		Free Field dB	−2	−17	−18	−11	−8	−7	−10	−12	−22	−5
	Outlet side	In-duct dB	0	−11	−12	−8	−8	−9	−11	−13	−19	−5
		Free Field dB	−1	−19	−17	−9	−8	−9	−11	−13	−19	−6
zone 8	Inlet side	In-duct dB	+1	−8	−13	−9	−8	−7	−10	−12	−21	−4
		Free Field dB	0	−16	−18	−10	−8	−7	−10	−12	−21	−5
	Outlet side	In-duct dB	0	−5	−14	−9	−8	−9	−8	−12	−18	−3
		Free Field dB	−2	−13	−19	−10	−8	−9	−8	−12	−18	−5
zone 9	Inlet side	In-duct dB	−2	−8	−13	−9	−8	−7	−10	−12	−20	−4
		Free Field dB	−3	−16	−18	−10	−8	−7	−10	−12	−20	−5
	Outlet side	In-duct dB	0	−5	−13	−9	−8	−10	−11	−14	−20	−5
		Free Field dB	−1	−13	−18	−10	−8	−10	−11	−14	−20	−7

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/150/10
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

630/150/10/1440/ . . .

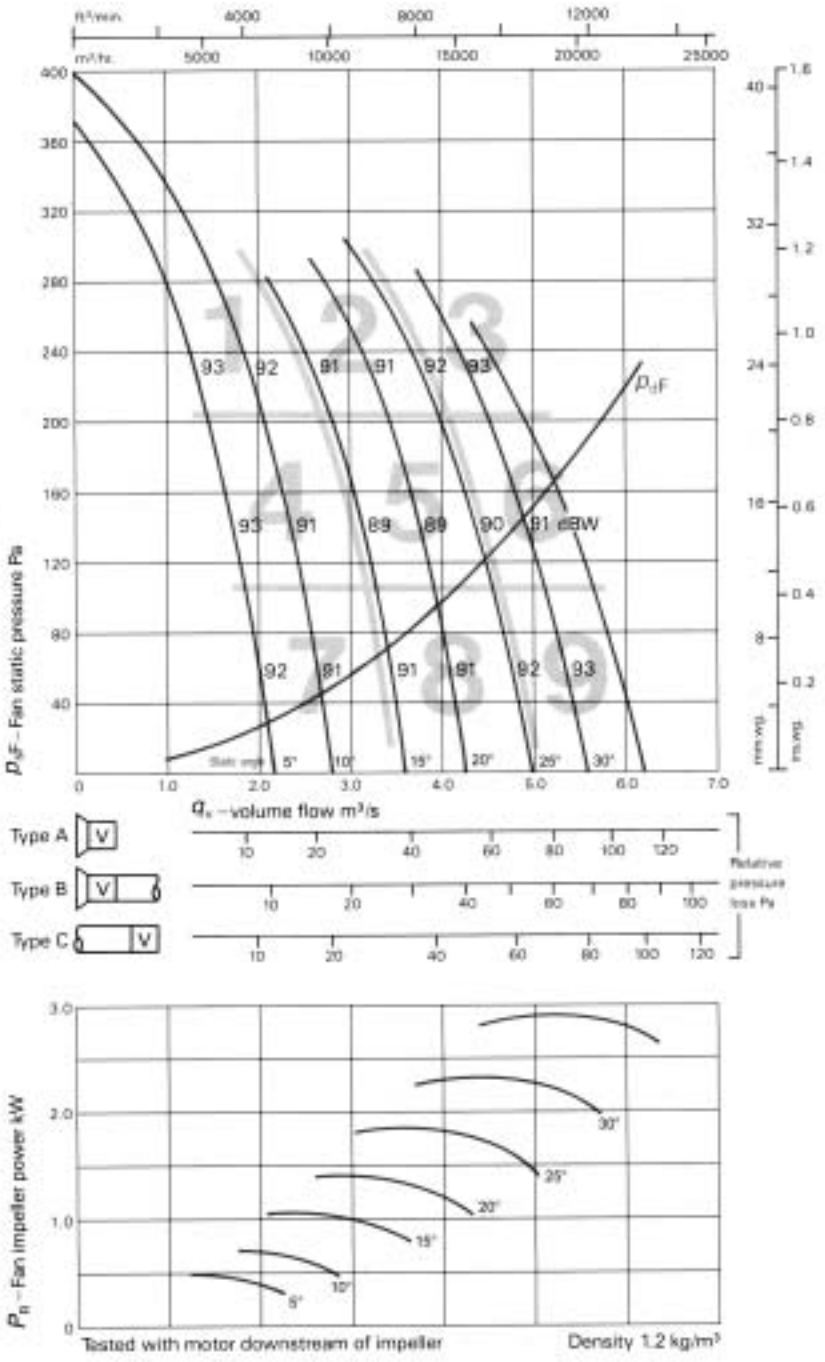
where –
630 – Nominal diameter. mm.
150 – Hub diameter. mm.
10 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_sF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

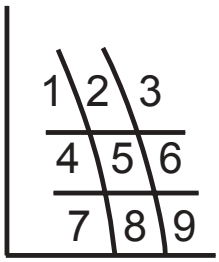
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−18	−12	−8	−4	−8	−12	−19	−26	−4
		Free Field dB	0	−26	−17	−9	−4	−8	−12	−19	−26	−5
	Outlet side	In-duct dB	0	−10	−8	−11	−11	−12	−13	−15	−23	−9
		Free Field dB	−2	−18	−13	−12	−11	−12	−13	−15	−23	−11
zone 2	Inlet side	In-duct dB	0	−12	−9	−8	−6	−7	−9	−11	−21	−2
		Free Field dB	0	−20	−14	−9	−6	−7	−9	−11	−21	−3
	Outlet side	In-duct dB	0	−11	−8	−9	−9	−10	−9	−11	−16	−4
		Free Field dB	−1	−19	−13	−10	−9	−10	−9	−11	−16	−6
zone 3	Inlet side	In-duct dB	−2	−11	−6	−4	−5	−10	−13	−16	−24	−3
		Free Field dB	−3	−19	−11	−5	−5	−10	−13	−16	−24	−4
	Outlet side	In-duct dB	0	−6	−7	−9	−12	−17	−19	−20	−27	−11
		Free Field dB	−3	−14	−12	−10	−12	−17	−19	−20	−27	−15
zone 4	Inlet side	In-duct dB	−3	−8	−7	−6	−8	−10	−12	−22	−27	−6
		Free Field dB	−4	−16	−12	−7	−8	−10	−12	−22	−27	−8
	Outlet side	In-duct dB	0	−11	−5	−9	−11	−13	−15	−16	−23	−8
		Free Field dB	−2	−19	−10	−10	−11	−13	−15	−16	−23	−11
zone 5	Inlet side	In-duct dB	−1	−5	−9	−8	−9	−10	−12	−15	−20	−5
		Free Field dB	−3	−13	−14	−9	−9	−10	−12	−15	−20	−8
	Outlet side	In-duct dB	0	−4	−8	−9	−11	−13	−12	−14	−17	−6
		Free Field dB	−3	−12	−13	−10	−11	−13	−12	−14	−17	−9
zone 6	Inlet side	In-duct dB	−3	−4	−7	−6	−9	−14	−18	−22	−27	−7
		Free Field dB	−5	−12	−12	−7	−9	−14	−18	−22	−27	−11
	Outlet side	In-duct dB	0	−4	−10	−11	−13	−16	−18	−21	−24	−13
		Free Field dB	−3	−12	−15	−12	−13	−16	−18	−21	−24	−16
zone 7	Inlet side	In-duct dB	−1	−10	−11	−7	−8	−8	−12	−15	−23	−5
		Free Field dB	−2	−18	−16	−8	−8	−8	−12	−15	−23	−6
	Outlet side	In-duct dB	0	−10	−6	−11	−8	−10	−12	−18	−27	−7
		Free Field dB	−1	−18	−11	−12	−8	−10	−12	−18	−27	−8
zone 8	Inlet side	In-duct dB	+1	−7	−11	−9	−9	−10	−12	−13	−21	−6
		Free Field dB	0	−15	−16	−10	−9	−10	−12	−13	−21	−8
	Outlet side	In-duct dB	0	−5	−9	−10	−10	−12	−11	−12	−18	−5
		Free Field dB	−2	−13	−14	−11	−10	−12	−11	−12	−18	−8
zone 9	Inlet side	In-duct dB	−4	−8	−11	−9	−8	−9	−12	−16	−25	−6
		Free Field dB	−5	−16	−16	−10	−8	−9	−12	−16	−25	−8
	Outlet side	In-duct dB	0	−5	−7	−10	−11	−13	−14	−17	−25	−8
		Free Field dB	−3	−13	−12	−11	−11	−13	−14	−17	−25	−12

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

630/250/7/1440/ . . .

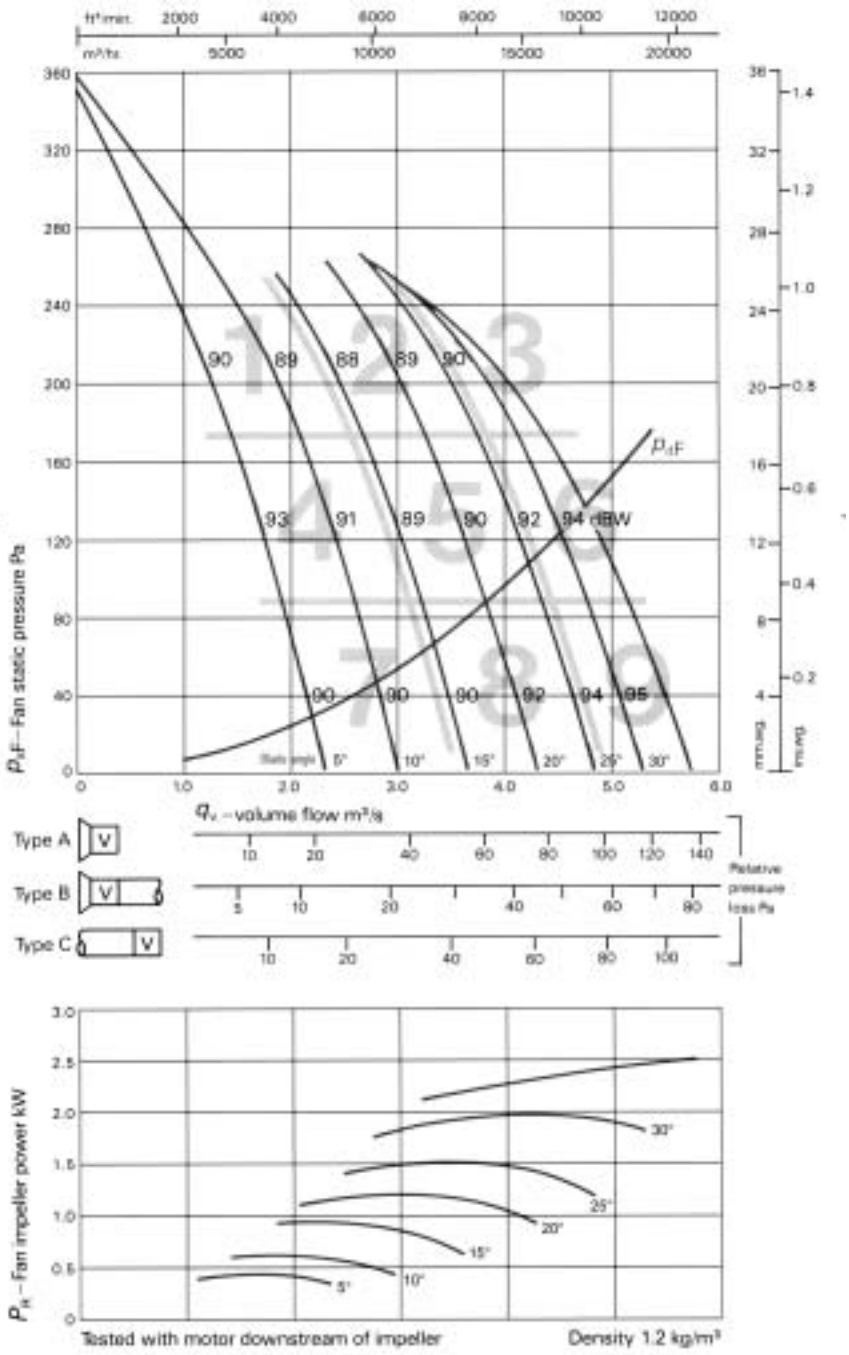
where –
630 – Nominal diameter, mm.
250 – Hub diameter, mm.
7 – Number of blades.
1440 – Fan speed, rev/min.
. . . – Blade angle, degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

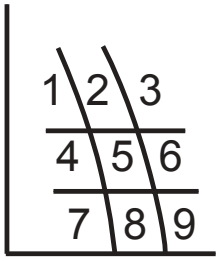
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone.
Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	+1	−20	−16	−12	−2	−6	−11	−20	−32	−2
		Free Field dB	0	−28	−21	−13	−2	−6	−11	−20	−32	−2
	Outlet side	In-duct dB	0	−10	−9	−6	−6	−11	−13	−15	−22	−5
		Free Field dB	−1	−18	−14	−7	−6	−11	−13	−15	−22	−6
zone 2	Inlet side	In-duct dB	+1	−16	−19	−9	−5	−6	−10	−14	−25	−3
		Free Field dB	0	−24	−24	−10	−5	−6	−10	−14	−25	−3
	Outlet side	In-duct dB	0	−13	−17	−8	−5	−8	−8	−11	−18	−2
		Free Field dB	0	−21	−22	−9	−5	−8	−8	−11	−18	−3
zone 3	Inlet side	In-duct dB	−1	−15	−12	−6	−7	−9	−15	−18	−28	−7
		Free Field dB	−2	−23	−17	−7	−7	−9	−15	−18	−28	−8
	Outlet side	In-duct dB	0	−9	−9	−7	−7	−10	−12	−16	−24	−5
		Free Field dB	−1	−17	−14	−8	−7	−10	−12	−16	−24	−7
zone 4	Inlet side	In-duct dB	+1	−20	−16	−14	−4	−7	−8	−16	−30	−3
		Free Field dB	0	−28	−21	−15	−4	−7	−8	−16	−30	−3
	Outlet side	In-duct dB	0	−9	−9	−8	−8	−10	−12	−16	−24	−6
		Free Field dB	−1	−17	−14	−8	−8	−10	−12	−16	−24	−8
zone 5	Inlet side	In-duct dB	+3	−12	−17	−8	−7	−7	−10	−12	−23	−4
		Free Field dB	+1	−20	−22	−9	−7	−7	−10	−12	−23	−5
	Outlet side	In-duct dB	0	−7	−16	−9	−9	−9	−9	−11	−16	−4
		Free Field dB	−2	−15	−21	−10	−9	−9	−9	−11	−16	−7
zone 6	Inlet side	In-duct dB	+1	−10	−12	−6	−5	−11	−17	−19	−31	−5
		Free Field dB	0	−18	−17	−7	−5	−11	−17	−19	−31	−7
	Outlet side	In-duct dB	0	−6	−11	−9	−10	−11	−13	−15	−28	−7
		Free Field dB	−2	−14	−16	−10	−10	−11	−13	−15	−28	−10
zone 7	Inlet side	In-duct dB	+3	−13	−17	−10	−5	−5	−9	−12	−25	−2
		Free Field dB	+2	−21	−22	−11	−5	−5	−9	−12	−25	−2
	Outlet side	In-duct dB	0	−7	−9	−6	−7	−12	−15	−19	−27	−6
		Free Field dB	−1	−15	−14	−7	−7	−12	−15	−19	−27	−8
zone 8	Inlet side	In-duct dB	+1	−10	−16	−7	−6	−7	−9	−10	−23	−2
		Free Field dB	0	−18	−21	−8	−6	−7	−9	−10	−23	−3
	Outlet side	In-duct dB	0	−8	−13	−7	−6	−8	−8	−10	−19	−1
		Free Field dB	−1	−16	−18	−8	−6	−8	−8	−10	−19	−3
zone 9	Inlet side	In-duct dB	−1	−12	−15	−8	−6	−9	−12	−13	−28	−5
		Free Field dB	−1	−20	−20	−9	−6	−9	−12	−13	−28	−6
	Outlet side	In-duct dB	0	−9	−11	−7	−8	−10	−12	−15	−30	−6
		Free Field dB	−1	−17	−16	−8	−8	−10	−12	−15	−30	−7

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 630/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

630/250/14/1440/ . . .

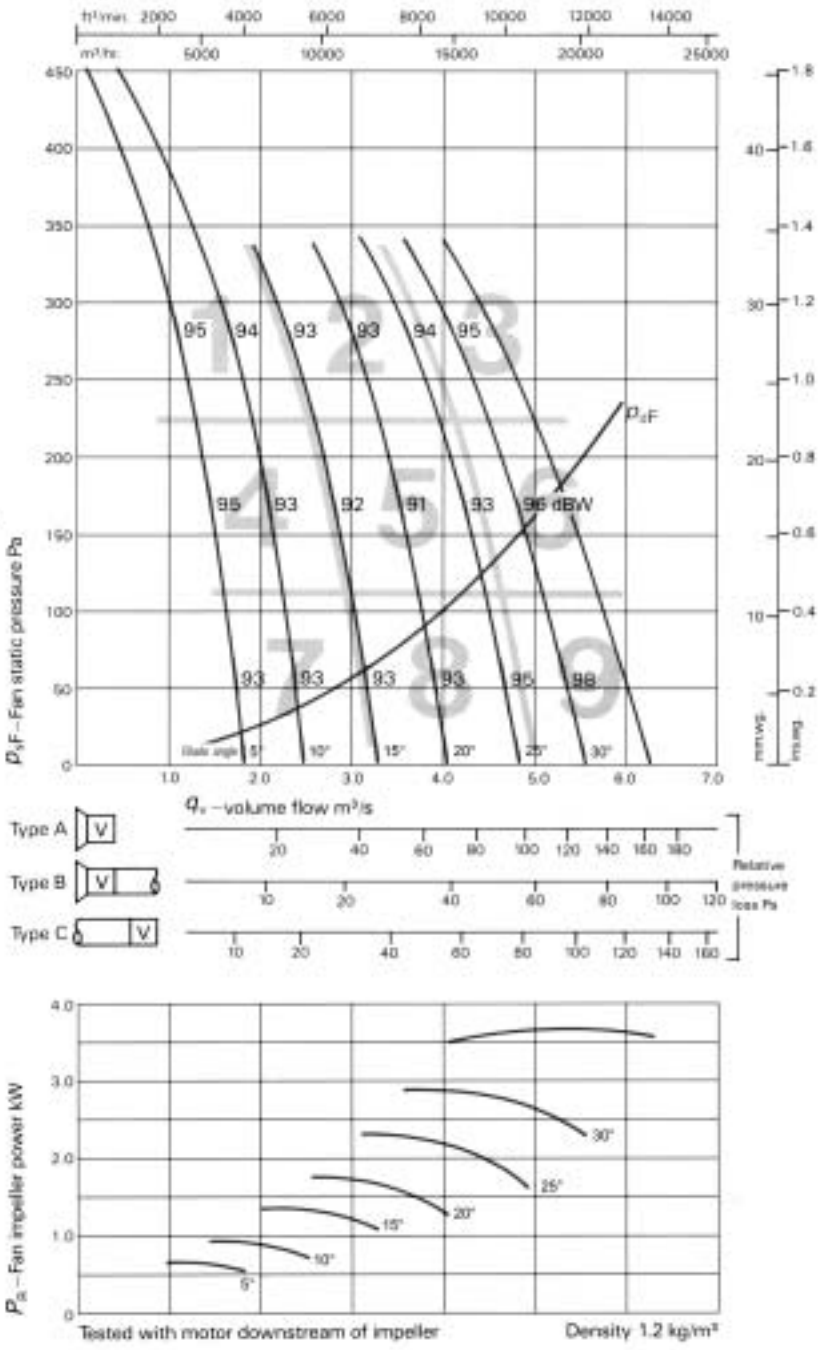
where –
- 630 – Nominal diameter. mm.
- 250 – Hub diameter. mm.
- 14 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_sF – Fan Static Pressure
- p_dF – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

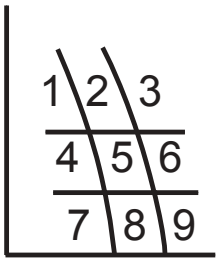
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 710/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−1	−16	−14	−8	−4	−8	−11	−20	−32	−4
		Free Field dB	−1	−24	−18	−10	−4	−8	−11	−20	−32	−5
	Outlet side	In-duct dB	0	−11	−8	−10	−9	−9	−11	−14	−19	−6
		Free Field dB	−1	−19	−12	−11	−9	−9	−11	−14	−19	−7
zone 2	Inlet side	In-duct dB	−1	−7	−8	−1	−9	−9	−11	−15	−27	−2
		Free Field dB	−2	−15	−12	−2	−9	−9	−11	−15	−27	−3
	Outlet side	In-duct dB	0	−4	−9	−13	−13	−10	−11	−13	−17	−6
		Free Field dB	−3	−12	−13	−14	−13	−10	−11	−13	−17	−10
zone 3	Inlet side	In-duct dB	−2	−6	−5	−8	−10	−14	−16	−18	−29	−8
		Free Field dB	−4	−14	−9	−9	−10	−14	−16	−18	−29	−11
	Outlet side	In-duct dB	0	−6	−7	−8	−10	−14	−16	−18	−26	−9
		Free Field dB	−2	−14	−11	−9	−10	−14	−16	−18	−26	−12
zone 4	Inlet side	In-duct dB	−4	−11	−12	−10	−6	−9	−14	−18	−32	−6
		Free Field dB	−4	−19	−16	−11	−6	−9	−14	−18	−32	−8
	Outlet side	In-duct dB	0	−14	−6	−9	−9	−10	−10	−14	−22	−5
		Free Field dB	−1	−22	−10	−10	−9	−10	−10	−14	−22	−7
zone 5	Inlet side	In-duct dB	−2	−4	−8	−9	−10	−12	−15	−17	−26	−7
		Free Field dB	−5	−12	−12	−10	−10	−12	−15	−17	−26	−11
	Outlet side	In-duct dB	0	−5	−9	−12	−12	−12	−14	−16	−19	−8
		Free Field dB	−3	−13	−13	−13	−12	−12	−14	−16	−19	−12
zone 6	Inlet side	In-duct dB	−3	−4	−6	−7	−9	−16	−20	−23	−33	−8
		Free Field dB	−6	−12	−10	−8	−9	−16	−20	−23	−33	−12
	Outlet side	In-duct dB	0	−5	−9	−10	−12	−14	−16	−19	−24	−10
		Free Field dB	−3	−13	−13	−11	−12	−14	−16	−19	−24	−13
zone 7	Inlet side	In-duct dB	−2	−9	−8	−6	−9	−9	−14	−18	−25	−6
		Free Field dB	−3	−17	−12	−7	−9	−9	−14	−18	−25	−8
	Outlet side	In-duct dB	0	−14	−8	−9	−5	−10	−12	−18	−17	−5
		Free Field dB	0	−22	−12	−10	−5	−10	−12	−18	−17	−6
zone 8	Inlet side	In-duct dB	0	−7	−8	−6	−9	−11	−14	−16	−24	−7
		Free Field dB	−1	−15	−12	−7	−9	−11	−14	−16	−24	−8
	Outlet side	In-duct dB	0	−6	−7	−8	−10	−9	−12	−13	−19	−5
		Free Field dB	−2	−14	−11	−9	−10	−9	−12	−13	−19	−7
zone 9	Inlet side	In-duct dB	−4	−8	−7	−7	−9	−13	−17	−19	−28	−8
		Free Field dB	−6	−16	−11	−8	−9	−13	−17	−19	−28	−11
	Outlet side	In-duct dB	0	−7	−5	−9	−8	−10	−13	−18	−26	−6
		Free Field dB	−2	−15	−9	−10	−8	−10	−13	−18	−26	−8

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 710/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

710/250/7/1440/...

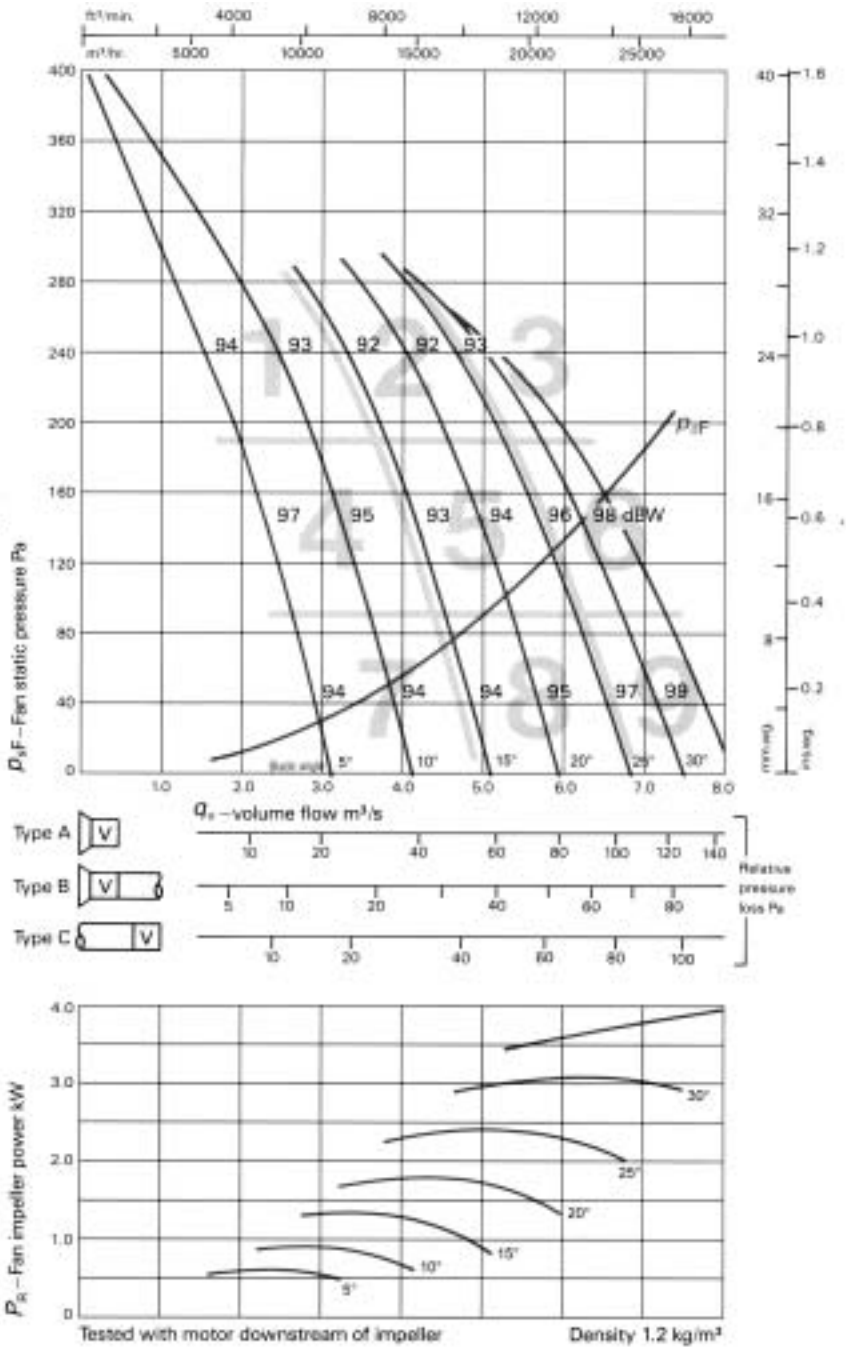
where–
- 710 – Nominal diameter. mm.
- 250 – Hub diameter. mm.
- 7 – Number of blades.
- 1440 – Fan speed. rev/min.
- ... – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_sF – Fan Static Pressure
- p_dF – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – $|p_sF + p_dF|$ – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
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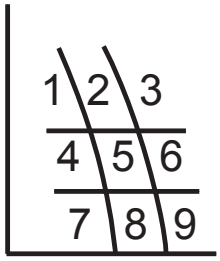
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 710/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance Ire. 20 μ Pal assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−1	−21	−20	−12	−2	−6	−11	−20	−32	−2
		Free Field dB	−1	−29	−24	−13	−2	−6	−11	−20	−32	−2
	Outlet side	In-duct dB	0	−12	−8	−7	−6	−9	−11	−13	−20	−4
		Free Field dB	−1	−20	−12	−8	−6	−9	−11	−13	−20	−5
zone 2	Inlet side	In-duct dB	−1	−8	−19	−9	−5	−7	−11	−15	−26	−3
		Free Field dB	−2	−16	−23	−10	−5	−7	−11	−15	−26	−4
	Outlet side	In-duct dB	0	−8	−17	−12	−7	−4	−9	−13	−19	−1
		Free Field dB	0	−16	−21	−13	−7	−4	−9	−13	−19	−2
zone 3	Inlet side	In-duct dB	−2	−6	−13	−7	−6	−12	−15	−18	−28	−6
		Free Field dB	−3	−14	−17	−8	−6	−12	−15	−18	−28	−8
	Outlet side	In-duct dB	0	−8	−9	−6	−8	−12	−13	−16	−22	−7
		Free Field dB	−1	−16	−13	−7	−8	−12	−13	−16	−22	−9
zone 4	Inlet side	In-duct dB	−2	−15	−20	−11	−7	−4	−8	−15	−26	−2
		Free Field dB	−2	−23	−24	−12	−7	−4	−8	−15	−26	−3
	Outlet side	In-duct dB	0	−9	−9	−9	−8	−10	−12	−15	−22	−6
		Free Field dB	−1	−17	−13	−10	−8	−10	−12	−15	−22	−8
zone 5	Inlet side	In-duct dB	0	−8	−16	−8	−7	−7	−9	−12	−20	−3
		Free Field dB	−1	−16	−20	−9	−7	−7	−9	−12	−20	−4
	Outlet side	In-duct dB	0	−8	−16	−9	−9	−8	−9	−12	−18	−4
		Free Field dB	−1	−16	−20	−10	−9	−8	−9	−12	−18	−5
zone 6	Inlet side	In-duct dB	−1	−6	−12	−6	−6	−11	−15	−17	−27	−5
		Free Field dB	−2	−14	−16	−7	−6	−11	−15	−17	−27	−7
	Outlet side	In-duct dB	0	−5	−10	−9	−9	−10	−13	−16	−23	−6
		Free Field dB	−2	−13	−14	−10	−9	−10	−13	−16	−23	−9
zone 7	Inlet side	In-duct dB	−1	−12	−16	−9	−6	−5	−10	−14	−23	−2
		Free Field dB	−1	−20	−20	−10	−6	−5	−10	−14	−23	−3
	Outlet side	In-duct dB	0	−7	−9	−6	−7	−11	−14	−16	−24	−5
		Free Field dB	−1	−15	−13	−7	−7	−11	−14	−16	−24	−7
zone 8	Inlet side	In-duct dB	−1	−9	−15	−6	−6	−7	−10	−12	−22	−2
		Free Field dB	−2	−17	−19	−7	−6	−7	−10	−12	−22	−3
	Outlet side	In-duct dB	0	−9	−14	−7	−7	−8	−9	−11	−18	−3
		Free Field dB	0	−17	−18	−8	−7	−8	−9	−11	−18	−4
zone 9	Inlet side	In-duct dB	−3	−10	−14	−7	−6	−9	−13	−15	−26	−6
		Free Field dB	−4	−18	−18	−8	−6	−9	−13	−15	−26	−6
	Outlet side	In-duct dB	0	−4	−10	−9	−9	−10	−12	−14	−22	−5
		Free Field dB	−2	−12	−14	−10	−9	−10	−12	−14	−22	−8

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 710/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

710/250/14/1440/...

where–

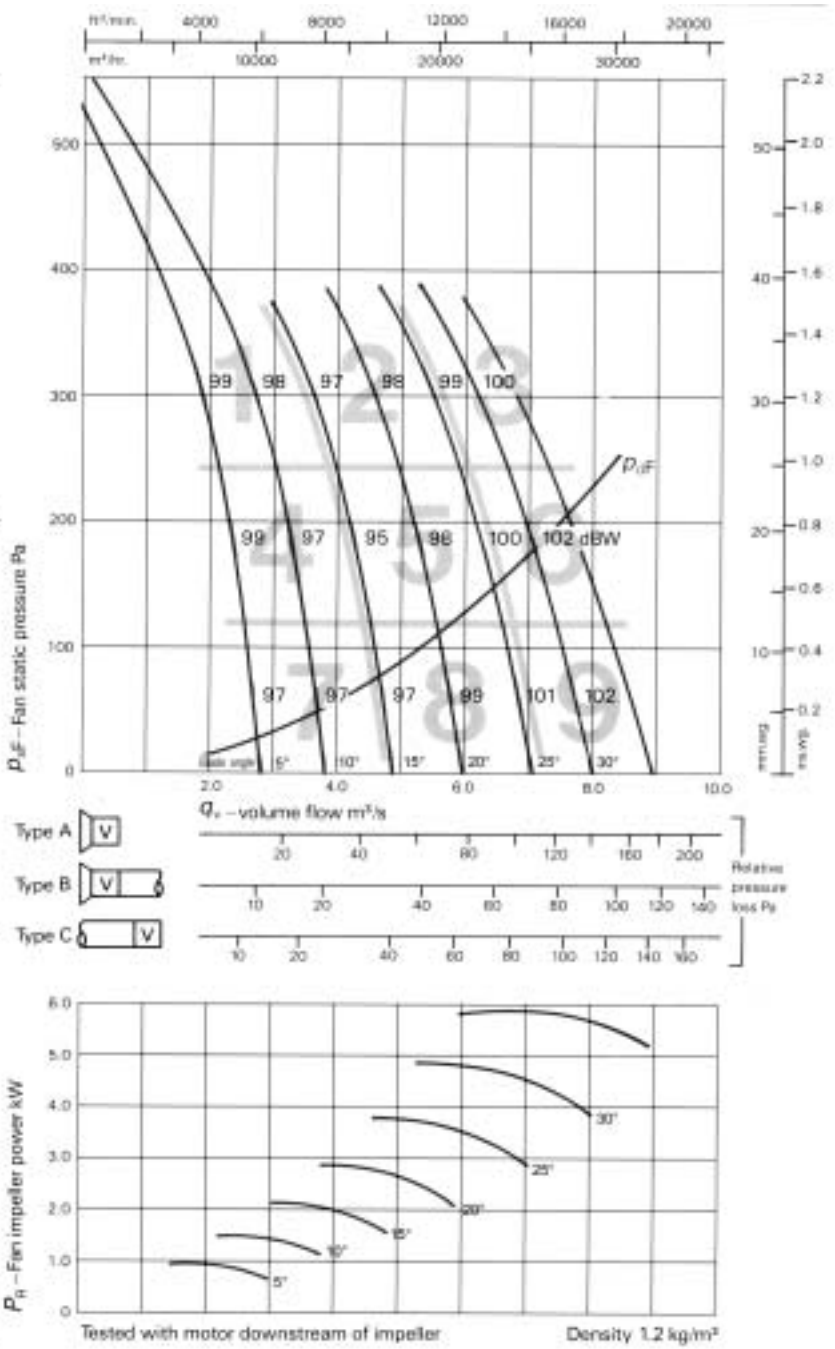
710 – Nominal diameter. mm.
250 – Hub diameter. mm.
14 – Number of blades.
1440 – Fan speed. rev/min.
... – Blade angle. degs.

Symbols
q_v – Volume flow
p_{sF} – Fan Static Pressure
p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
p_{tF} – ($p_{sF}+p_{dF}$) – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % = $\frac{q_v \times p_{tF}}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

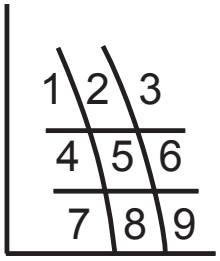
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 800/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pal assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−2	−12	−11	−8	−5	−5	−10	−16	−28	−2
		Free Field dB	−2	−19	−14	−9	−5	−5	−10	−16	−28	−3
	Outlet side	In-duct dB	0	−12	−9	−9	−9	−8	−8	−11	−17	−3
		Free Field dB	0	−19	−12	−10	−9	−8	−8	−11	−17	−4
zone 2	Inlet side	In-duct dB	−1	−9	−11	−11	−5	−7	−11	−16	−28	−4
		Free Field dB	−1	−16	−14	−12	−5	−7	−11	−16	−28	−5
	Outlet side	In-duct dB	0	−8	−11	−13	−8	−5	−9	−13	−19	−3
		Free Field dB	0	−15	−14	−14	−8	−5	−9	−13	−19	−3
zone 3	Inlet side	In-duct dB	−2	−9	−7	−10	−5	−9	−13	−17	−22	−5
		Free Field dB	−3	−16	−10	−11	−5	−9	−13	−17	−22	−6
	Outlet side	In-duct dB	0	−8	−9	−7	−6	−10	−14	−16	−25	−5
		Free Field dB	−1	−15	−12	−8	−6	−10	−14	−16	−25	−6
zone 4	Inlet side	In-duct dB	−2	−12	−10	−6	−6	−10	−13	−17	−25	−6
		Free Field dB	−3	−19	−13	−7	−8	−10	−13	−17	−25	−7
	Outlet side	In-duct dB	0	−18	−8	−9	−8	−8	−8	−13	−20	−4
		Free Field dB	−1	−25	−11	−10	−8	−8	−8	−13	−20	−5
zone 5	Inlet side	In-duct dB	−2	−5	−8	−8	−9	−11	−13	−15	−24	−6
		Free Field dB	−4	−12	−11	−9	−9	−11	−13	−15	−24	−8
	Outlet side	In-duct dB	0	−5	−9	−12	−11	−10	−12	−14	−18	−6
		Free Field dB	−2	−12	−12	−13	−11	−10	−12	−14	−18	−9
zone 6	Inlet side	In-duct dB	−2	−5	−7	−6	−9	−12	−16	−18	−27	−7
		Free Field dB	−4	−12	−10	−7	−9	−12	−16	−18	−27	−9
	Outlet side	In-duct dB	0	−6	−8	−9	−11	−13	−14	−17	−22	−8
		Free Field dB	−2	−13	−11	−10	−11	−13	−14	−17	−22	−11
zone 7	Inlet side	In-duct dB	0	−9	−10	−5	−7	−8	−12	−17	−22	−4
		Free Field dB	−1	−16	−13	−6	−7	−8	−12	−17	−22	−5
	Outlet side	In-duct dB	0	−18	−11	−9	−5	−10	−13	−18	−26	−6
		Free Field dB	0	−25	−14	−10	−5	−10	−13	−18	−26	−7
zone 8	Inlet side	In-duct dB	−1	−7	−8	−6	−8	−10	−13	−16	−24	−5
		Free Field dB	−2	−14	−11	−7	−8	−10	−13	−16	−24	−7
	Outlet side	In-duct dB	0	−8	−6	−9	−8	−9	−12	−15	−22	−5
		Free Field dB	−1	−15	−9	−10	−8	−9	−12	−15	−22	−6
zone 9	Inlet side	In-duct dB	−4	−8	−7	−7	−8	−12	−15	−18	−26	−7
		Free Field dB	−5	−15	−10	−8	−8	−12	−15	−18	−26	−9
	Outlet side	In-duct dB	0	−11	−4	−8	−14	−17	−15	−17	−23	−11
		Free Field dB	−2	−18	−7	−9	−14	−17	−15	−17	−23	−12

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 800/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

800/250/7/1440/ . . .

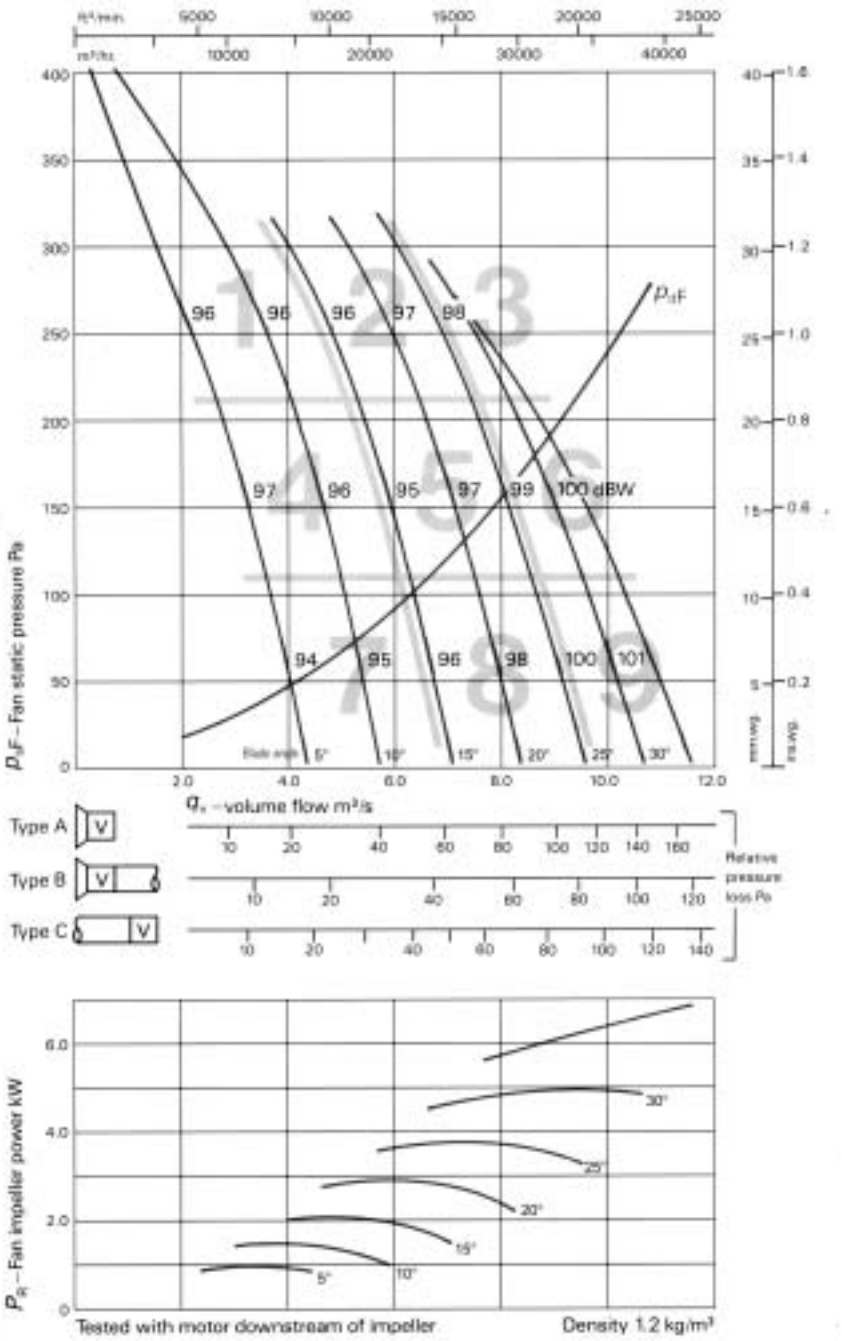
where –
- 800 – Nominal diameter. mm.
- 250 – Hub diameter. mm.
- 7 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_sF – Fan Static Pressure
- p_dF – Fan Dynamic Pressure (based on Fan Duct area)
- p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

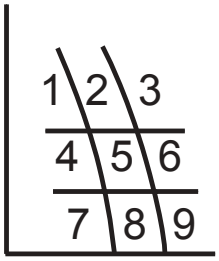
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 800/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−1	−14	−22	−13	−2	−5	−10	−17	−29	−1
		Free Field dB	−1	−21	−25	−14	−2	−5	−10	−17	−29	−1
	Outlet side	In-duct dB	0	−14	−13	−9	−9	−7	−7	−10	−17	−2
		Free Field dB	0	−21	−16	−10	−9	−7	−7	−10	−17	−3
zone 2	Inlet side	In-duct dB	0	−11	−11	−12	−3	−7	−11	−17	−28	−3
		Free Field dB	0	−18	−14	−13	−3	−7	−11	−17	−28	−3
	Outlet side	In-duct dB	0	−12	−19	−12	−3	−5	−9	−14	−22	−1
		Free Field dB	0	−19	−22	−13	−3	−5	−9	−14	−22	−1
zone 3	Inlet side	In-duct dB	−2	−8	−18	−11	−3	−9	−13	−18	−22	−3
		Free Field dB	−2	−15	−21	−12	−3	−9	−13	−18	−22	−4
	Outlet side	In-duct dB	0	−8	−10	−6	−9	−8	−10	−15	−21	−4
		Free Field dB	−1	−15	−13	−7	−9	−8	−10	−15	−21	−5
zone 4	Inlet side	In-duct dB	0	−13	−18	−12	−7	−5	−8	−14	−21	−3
		Free Field dB	0	−20	−21	−13	−7	−5	−8	−14	−21	−3
	Outlet side	In-duct dB	0	−14	−15	−11	−8	−8	−7	−11	−18	−3
		Free Field dB	0	−21	−18	−12	−8	−8	−7	−11	−18	−4
zone 5	Inlet side	In-duct dB	0	−11	−18	−10	−6	−6	−8	−12	−20	−2
		Free Field dB	0	−18	−21	−11	−6	−6	−8	−12	−20	−3
	Outlet side	In-duct dB	0	−10	−17	−11	−8	−5	−7	−12	−19	−2
		Free Field dB	0	−17	−20	−12	−8	−5	−7	−12	−19	−2
zone 6	Inlet side	In-duct dB	−1	−8	−14	−8	−6	−8	−11	−14	−23	−4
		Free Field dB	−2	−15	−17	−9	−6	−8	−11	−14	−23	−5
	Outlet side	In-duct dB	0	−7	−10	−9	−8	−9	−10	−14	−21	−5
		Free Field dB	−1	−14	−13	−10	−8	−9	−10	−14	−21	−6
zone 7	Inlet side	In-duct dB	+2	−12	−15	−8	−6	−5	−9	−13	−20	−2
		Free Field dB	+1	−19	−18	−9	−6	−5	−9	−13	−20	−2
	Outlet side	In-duct dB	0	−14	−16	−10	−6	−7	−8	−14	−22	−3
		Free Field dB	0	−21	−19	−11	−6	−7	−8	−14	−22	−4
zone 8	Inlet side	In-duct dB	0	−9	−15	−7	−6	−7	−10	−12	−21	−3
		Free Field dB	0	−16	−18	−8	−6	−7	−10	−12	−21	−3
	Outlet side	In-duct dB	0	−11	−15	−12	−7	−10	−11	−15	−23	−7
		Free Field dB	0	−18	−18	−13	−7	−10	−11	−15	−23	−8
zone 9	Inlet side	In-duct dB	−2	−9	−14	−7	−6	−8	−12	−14	−23	−4
		Free Field dB	−2	−16	−17	−8	−6	−8	−12	−14	−23	−5
	Outlet side	In-duct dB	0	−8	−11	−10	−8	−10	−12	−16	−21	−7
		Free Field dB	−1	−15	−14	−11	−8	−10	−12	−16	−21	−8

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 800/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

800/250/14/1440/ . . .

where –

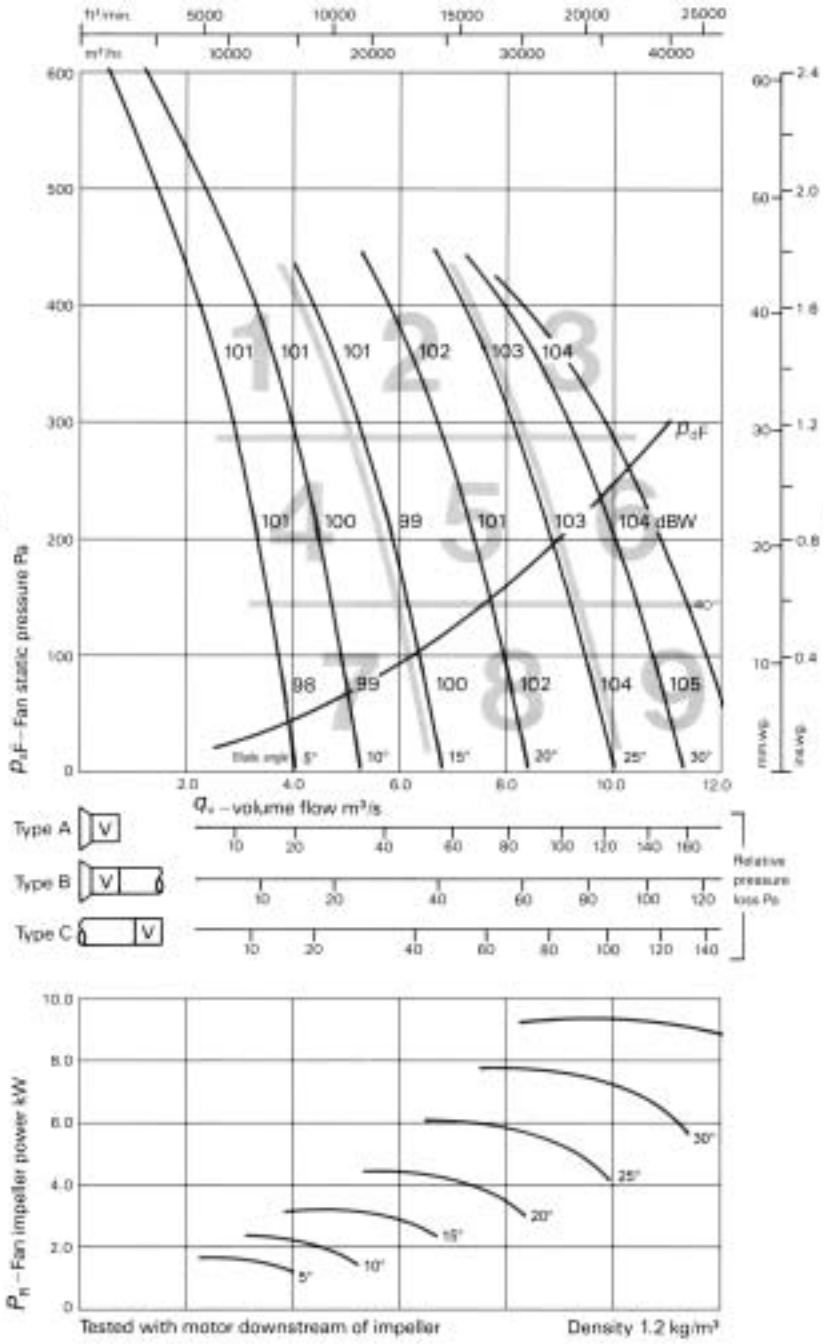
800 – Nominal diameter, mm.
250 – Hub diameter, mm.
14 – Number of blades.
1440 – Fan speed, rev/min.
. . . – Blade angle, degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_sF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

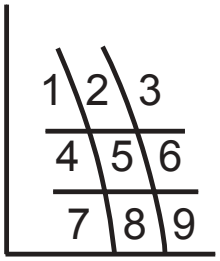
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 900/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−4	−12	−14	−11	−5	−6	−9	−14	−25	−3
		Free Field dB	−4	−18	−16	−11	−5	−6	−9	−14	−25	−3
	Outlet side	In-duct dB	0	−13	−10	−8	−7	−6	−10	−13	−19	−3
		Free Field dB	0	−19	−12	−8	−7	−6	−10	−13	−19	−3
zone 2	Inlet side	In-duct dB	−1	−13	−15	−11	−4	−5	−11	−17	−28	−2
		Free Field dB	−1	−19	−17	−11	−4	−5	−11	−17	−28	−3
	Outlet side	In-duct dB	0	−12	−15	−14	−6	−5	−9	−14	−21	−3
		Free Field dB	0	−18	−17	−14	−6	−5	−9	−14	−21	−3
zone 3	Inlet side	In-duct dB	−2	−11	−14	−11	−4	−5	−12	−19	−28	−2
		Free Field dB	−2	−17	−16	−11	−4	−5	−12	−19	−28	−3
	Outlet side	In-duct dB	0	−8	−10	−7	−5	−9	−12	−15	−24	−4
		Free Field dB	0	−14	−12	−7	−5	−9	−12	−15	−24	−5
zone 4	Inlet side	In-duct dB	+1	−12	−8	−8	−6	−8	−11	−14	−17	−3
		Free Field dB	0	−18	−10	−8	−6	−8	−11	−14	−17	−4
	Outlet side	In-duct dB	0	−16	−9	−8	−6	−6	−8	−13	−21	−2
		Free Field dB	0	−22	−11	−8	−6	−6	−8	−13	−21	−2
zone 5	Inlet side	In-duct dB	−1	−7	−9	−8	−8	−9	−12	−15	−21	−5
		Free Field dB	−2	−13	−11	−8	−8	−9	−12	−15	−21	−6
	Outlet side	In-duct dB	0	−6	−9	−12	−11	−9	−10	−13	−18	−5
		Free Field dB	−1	−12	−11	−12	−11	−9	−10	−13	−18	−7
zone 6	Inlet side	In-duct dB	−1	−7	−8	−7	−8	−10	−12	−15	−21	−5
		Free Field dB	−2	−13	−10	−7	−8	−10	−12	−15	−21	−6
	Outlet side	In-duct dB	0	−7	−9	−9	−10	−13	−15	−18	−23	−9
		Free Field dB	−1	−13	−11	−9	−10	−13	−15	−18	−23	−11
zone 7	Inlet side	In-duct dB	+2	−7	−8	−9	−8	−8	−12	−16	−21	−5
		Free Field dB	0	−13	−10	−9	−8	−8	−12	−16	−21	−6
	Outlet side	In-duct dB	0	−15	−10	−8	−6	−8	−10	−16	−23	−4
		Free Field dB	0	−21	−12	−8	−6	−8	−10	−16	−23	−4
zone 8	Inlet side	In-duct dB	−1	−6	−8	−8	−7	−9	−13	−16	−24	−5
		Free Field dB	−2	−12	−10	−8	−7	−9	−13	−16	−24	−6
	Outlet side	In-duct dB	0	−7	−6	−9	−9	−9	−12	−15	−23	−5
		Free Field dB	−1	−13	−8	−9	−9	−9	−12	−15	−23	−6
zone 9	Inlet side	In-duct dB	−2	−8	−6	−7	−7	−10	−14	−17	−24	−6
		Free Field dB	−3	−14	−8	−7	−7	−10	−14	−17	−24	−7
	Outlet side	In-duct dB	0	−9	−5	−8	−9	−12	−16	−18	−23	−8
		Free Field dB	−1	−15	−7	−8	−9	−12	−16	−18	−23	−9

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 900/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code

The full fan code uniquely identifies the principle geometry of the fan.

900/250/7/1440/ . . .

where –

900 – Nominal diameter. mm.
250 – Hub diameter. mm.
7 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols

q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

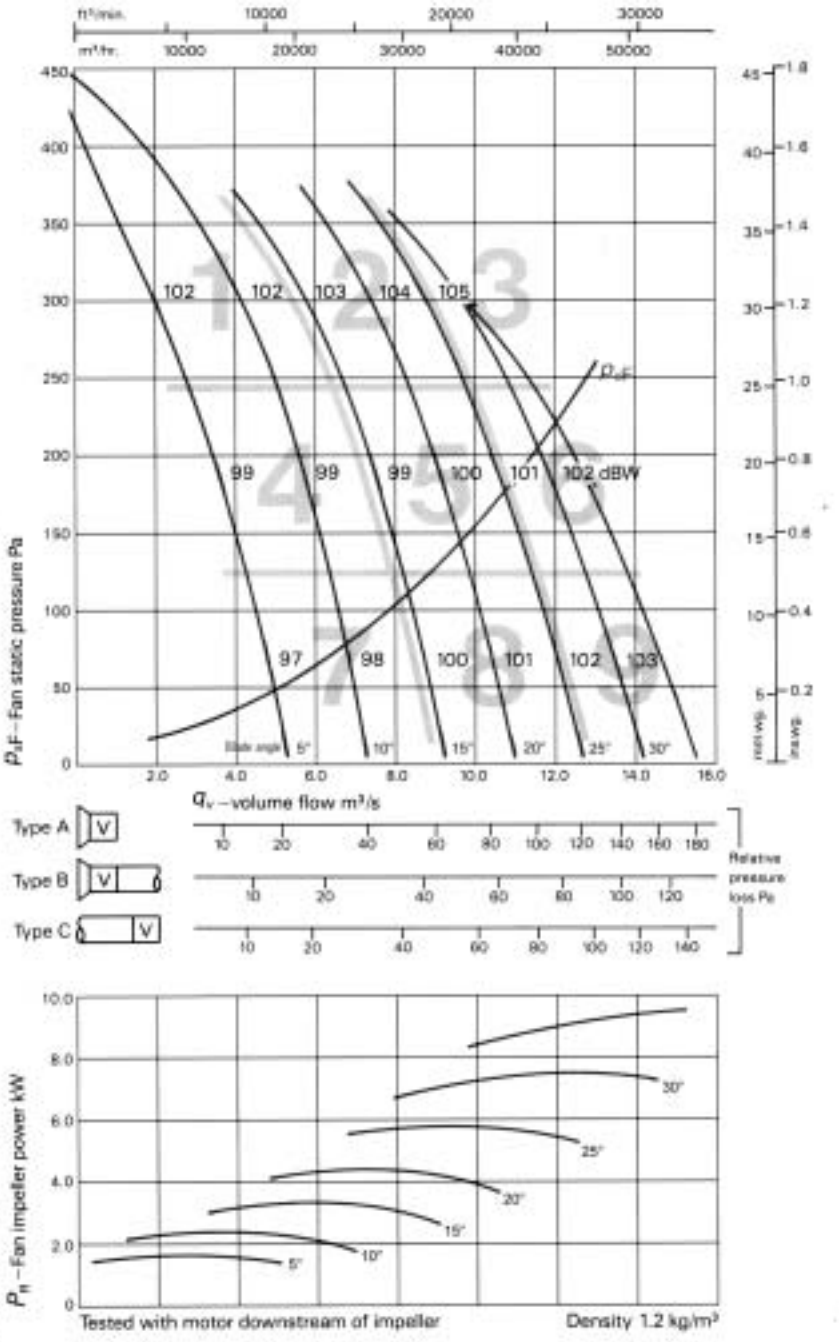
Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation

For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data

The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels

The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards

This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

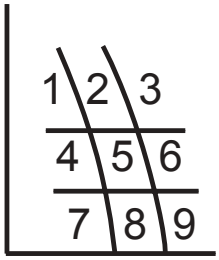
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 900/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−2	−15	−23	−13	−3	−5	−10	−17	−27	−2
		Free Field dB	−2	−21	−25	−13	−3	−5	−10	−17	−27	−2
	Outlet side	In-duct dB	0	−16	−14	−9	−4	−4	−8	−16	−23	−0
		Free Field dB	0	−22	−16	−9	−4	−4	−8	−16	−23	−1
zone 2	Inlet side	In-duct dB	0	−21	−24	−13	−2	−8	−12	−20	−30	−3
		Free Field dB	0	−27	−26	−13	−2	−8	−12	−20	−30	−3
	Outlet side	In-duct dB	0	−17	−22	−14	−2	−6	−9	−15	−24	−1
		Free Field dB	0	−23	−24	−14	−2	−6	−9	−15	−24	−1
zone 3	Inlet side	In-duct dB	−2	−17	−23	−13	−2	−8	−13	−20	−30	−3
		Free Field dB	−2	−23	−25	−13	−2	−8	−13	−20	−30	−3
	Outlet side	In-duct dB	0	−13	−18	−13	−3	−5	−9	−15	−23	−1
		Free Field dB	0	−19	−20	−13	−3	−5	−9	−15	−23	−1
zone 4	Inlet side	In-duct dB	+2	−10	−17	−11	−9	−6	−7	−12	−17	−3
		Free Field dB	+1	−16	−19	−11	−9	−6	−7	−12	−17	−3
	Outlet side	In-duct dB	0	−9	−18	−14	−11	−6	−6	−10	−17	−2
		Free Field dB	0	−15	−20	−14	−11	−6	−6	−10	−17	−3
zone 5	Inlet side	In-duct dB	−1	−13	−21	−12	−6	−5	−8	−13	−21	−2
		Free Field dB	−1	−19	−23	−12	−6	−5	−8	−13	−21	−2
	Outlet side	In-duct dB	0	−11	−19	−15	−8	−5	−6	−12	−20	−2
		Free Field dB	0	−17	−21	−15	−8	−5	−6	−12	−20	−2
zone 6	Inlet side	In-duct dB	−1	−9	−18	−11	−7	−6	−9	−13	−21	−3
		Free Field dB	−1	−15	−20	−11	−7	−6	−9	−13	−21	−4
	Outlet side	In-duct dB	0	−9	−11	−9	−10	−7	−9	−17	−22	−5
		Free Field dB	0	−15	−13	−9	−10	−7	−9	−17	−22	−6
zone 7	Inlet side	In-duct dB	−3	−12	−15	−8	−7	−6	−9	−12	−16	−3
		Free Field dB	−4	−18	−17	−8	−7	−6	−9	−12	−16	−4
	Outlet side	In-duct dB	0	−12	−15	−8	−7	−6	−9	−12	−16	−3
		Free Field dB	−1	−18	−17	−8	−7	−6	−9	−12	−16	−4
zone 8	Inlet side	In-duct dB	+1	−9	−15	−7	−6	−8	−10	−12	−19	−3
		Free Field dB	0	−15	−17	−7	−6	−8	−10	−12	−19	−3
	Outlet side	In-duct dB	0	−11	−14	−10	−6	−9	−11	−16	−24	−5
		Free Field dB	0	−17	−16	−10	−6	−9	−11	−16	−24	−6
zone 9	Inlet side	In-duct dB	−1	−8	−13	−5	−6	−9	−11	−13	−19	−3
		Free Field dB	−1	−14	−15	−5	−6	−9	−11	−13	−19	−4
	Outlet side	In-duct dB	0	−9	−11	−9	−7	−8	−16	−18	−23	−6
		Free Field dB	0	−15	−13	−9	−7	−8	−16	−18	−23	−7

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 900/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

900/250/14/1440/ . . .

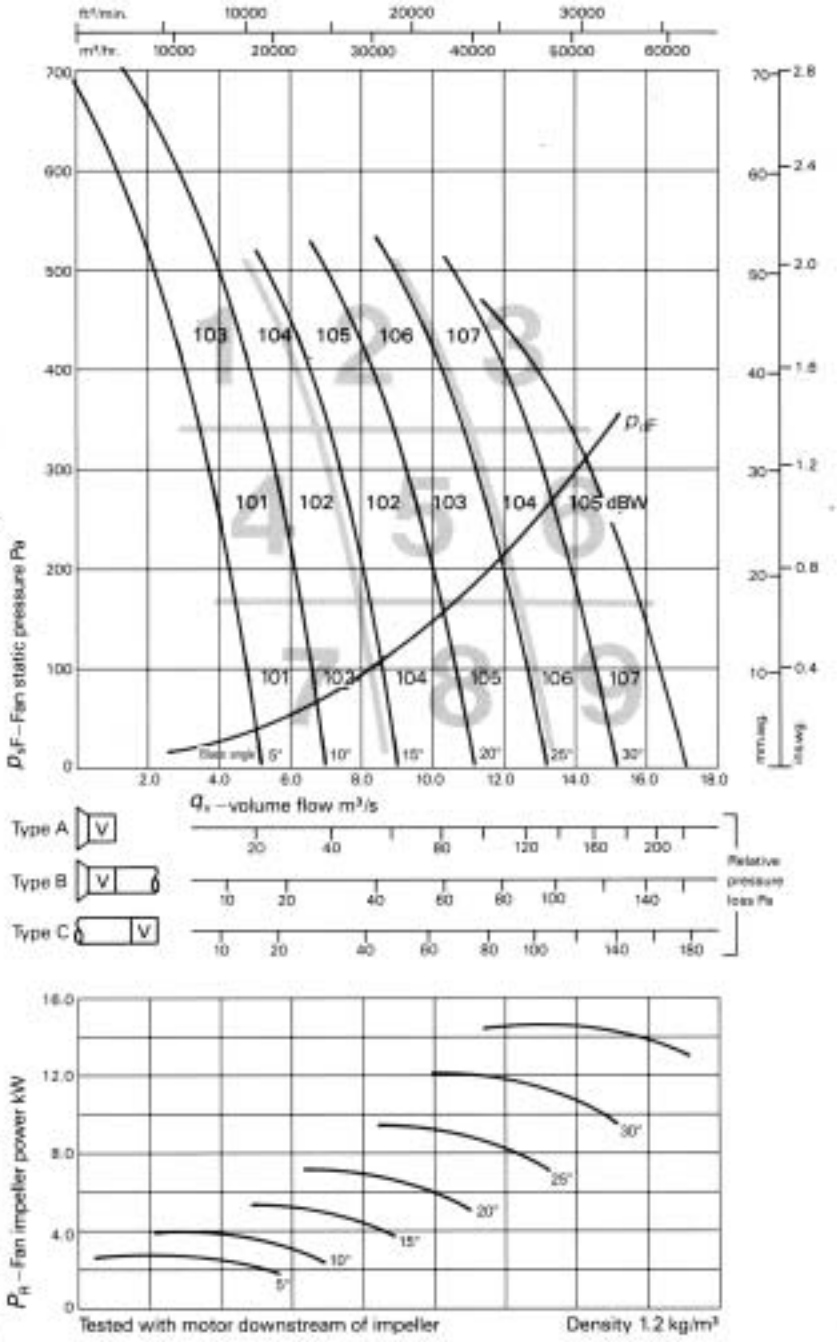
where –
- 900 – Nominal diameter. mm.
- 250 – Hub diameter. mm.
- 14 – Number of blades.
- 1440 – Fan speed. rev/min.
- . . . – Blade angle. degs.

Symbols
- q_v – Volume flow
- p_{sF} – Fan Static Pressure
- p_{dF} – Fan Dynamic Pressure (based on Fan Duct area)
- p_{tF} – $(p_{sF} + p_{dF})$ – Fan Total Pressure
- P_R – Fan Impeller Power
- dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_{tF}}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

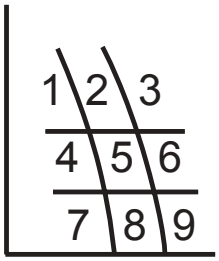
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 1000/250/7
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	−3	−10	−12	−10	−5	−7	−9	−16	−23	−3
		Free Field dB	−3	−15	−14	−10	−5	−7	−9	−16	−23	−3
	Outlet side	In-duct dB	0	−14	−11	−8	−16	−5	−13	−18	−22	−6
		Free Field dB	0	−19	−13	−8	−16	−5	−13	−18	−22	−6
zone 2	Inlet side	In-duct dB	−1	−13	−15	−11	−4	−8	−11	−17	−28	−4
		Free Field dB	−1	−18	−17	−11	−4	−8	−11	−17	−28	−5
	Outlet side	In-duct dB	0	−12	−15	−7	−4	−8	−12	−15	−22	−3
		Free Field dB	0	−17	−17	−7	−4	−8	−12	−15	−22	−4
zone 3	Inlet side	In-duct dB	−2	−12	−15	−12	−5	−7	−11	−16	−27	−4
		Free Field dB	−2	−17	−17	−12	−5	−7	−11	−16	−27	−5
	Outlet side	In-duct dB	0	−7	−10	−8	−8	−11	−13	−16	−22	−6
		Free Field dB	−1	−12	−12	−8	−8	−11	−13	−16	−22	−8
zone 4	Inlet side	In-duct dB	+2	−10	−10	−7	−7	−9	−12	−14	−21	−5
		Free Field dB	+1	−15	−12	−7	−7	−9	−12	−14	−21	−5
	Outlet side	In-duct dB	0	−14	−11	−8	−6	−5	−9	−14	−22	−2
		Free Field dB	0	−19	−13	−8	−6	−5	−9	−14	−22	−2
zone 5	Inlet side	In-duct dB	0	−6	−9	−8	−8	−10	−12	−15	−22	−5
		Free Field dB	−1	−11	−11	−8	−8	−10	−12	−15	−22	−6
	Outlet side	In-duct dB	0	−7	−9	−12	−11	−8	−10	−13	−18	−5
		Free Field dB	−1	−12	−11	−12	−11	−8	−10	−13	−18	−7
zone 6	Inlet side	In-duct dB	−1	−5	−8	−7	−9	−10	−11	−14	−21	−4
		Free Field dB	−2	−10	−10	−7	−9	−10	−11	−14	−21	−6
	Outlet side	In-duct dB	0	−7	−10	−9	−9	−14	−15	−19	−25	−9
		Free Field dB	−1	−12	−12	−9	−9	−14	−15	−19	−25	−11
zone 7	Inlet side	In-duct dB	−2	−13	−11	−8	−9	−8	−13	−16	−19	−6
		Free Field dB	−2	−18	−13	−8	−9	−8	−13	−16	−19	−7
	Outlet side	In-duct dB	0	−13	−10	−8	−7	−7	−9	−12	−19	−3
		Free Field dB	0	−18	−12	−8	−7	−7	−9	−12	−19	−3
zone 8	Inlet side	In-duct dB	−1	−8	−8	−6	−8	−10	−15	−17	−24	−7
		Free Field dB	−1	−13	−10	−6	−8	−10	−15	−17	−24	−7
	Outlet side	In-duct dB	0	−6	−7	−9	−11	−10	−14	−16	−24	−7
		Free Field dB	−1	−11	−9	−9	−11	−10	−14	−16	−24	−8
zone 9	Inlet side	In-duct dB	−1	−8	−7	−7	−8	−10	−15	−17	−24	−7
		Free Field dB	−1	−13	−9	−7	−8	−10	−15	−17	−24	−8
	Outlet side	In-duct dB	0	−7	−8	−9	−10	−13	−16	−19	−24	−10
		Free Field dB	−1	−12	−10	−9	−10	−13	−16	−19	−24	−12

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 1000/250/7
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

1000/250/7/1440/ . . .

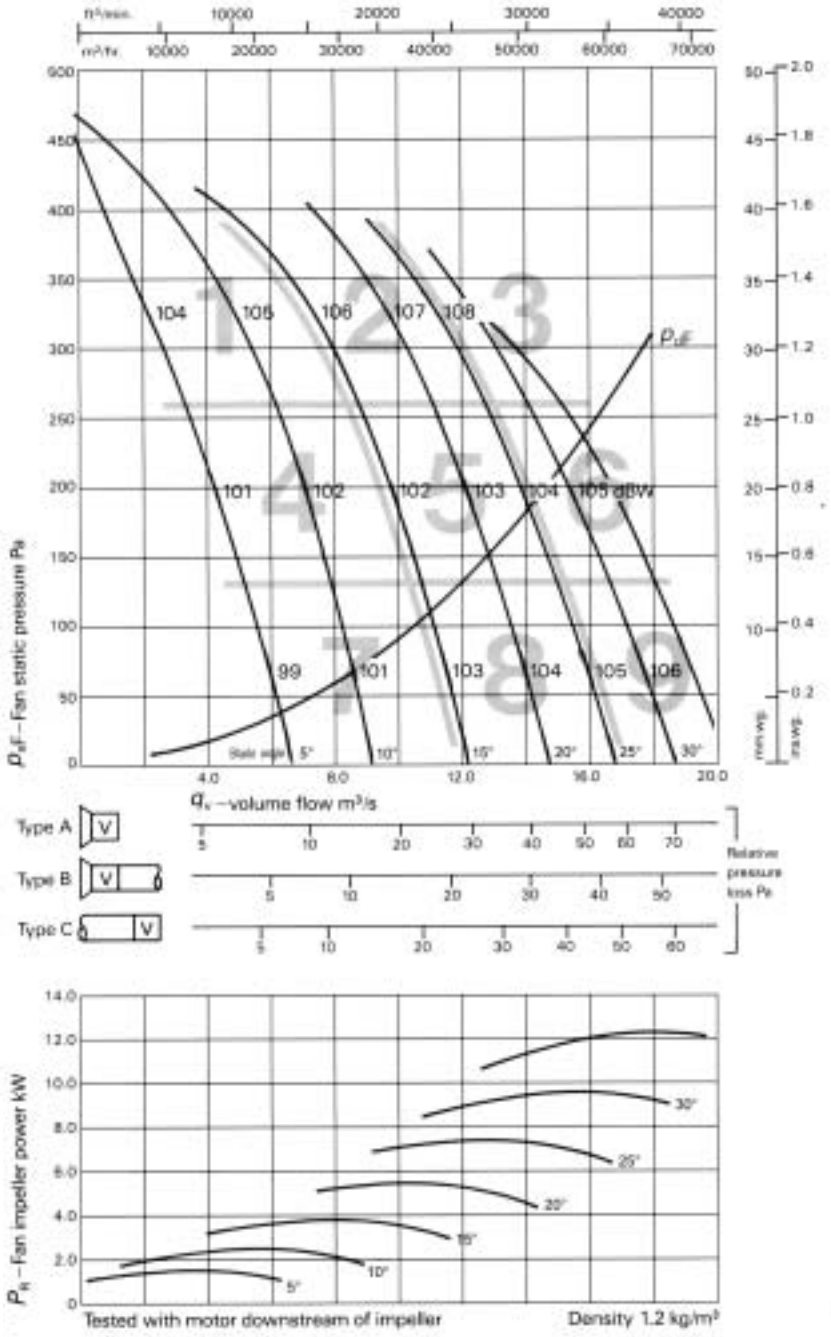
where –
1000 – Nominal diameter. mm.
250 – Hub diameter. mm.
7 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – ($p_sF + p_dF$) – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

$$\text{Fan total efficiency } \% = \frac{q_v \times p_tF}{10\,P_R}$$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

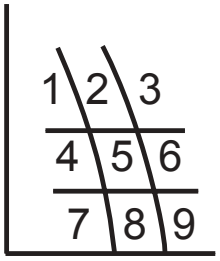
DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 1000/250/14
1440 tr/mn maxi.

SOUND DATA

From the performance curve overleaf the Total Sound Power level In-duct on the outlet side of the fan is established for the duty condition, by interpolation between the stated dBW values.
One can further see the Sound Zone (1 to 9) that the operating point falls with-in. By the use of the applicable zone table below other Total Sound Power levels may be found and then by applying the relevant spectra corrections the Octave band values may be deduced.
Sound Pressure Total and Octave levels may be obtained at a 1 metre distance (re. 20 μ Pa) assuming spherical radiation by the subtraction of 11 dB from the Sound Power figures. The total sound pressure level 'A' weighting may be found by applying the relevant 'dBA' correction shown in the tables below.
The correction values shown on this page are those applicable at the centre point of each zone. Sudden changes in total or similar octave band values do not occur across zone boundaries. Hence interpolation between adjacent zone figures can be made if required.

Sound Zones



			Total	63	125	250	500	1k	2k	4k	8k	dBA
zone 1	Inlet side	In-duct dB	0	−14	−21	−11	−5	−3	−9	−15	−25	−1
		Free Field dB	0	−19	−23	−11	−5	−3	−9	−15	−25	−1
	Outlet side	In-duct dB	0	−16	−14	−8	−4	−5	−9	−16	−23	−1
		Free Field dB	0	−21	−16	−8	−4	−5	−9	−16	−23	−2
zone 2	Inlet side	In-duct dB	+2	−22	−24	−12	−3	−7	−12	−20	−30	−4
		Free Field dB	+2	−27	−26	−12	−3	−7	−12	−20	−30	−4
	Outlet side	In-duct dB	0	−18	−22	−14	−3	−4	−9	−15	−24	−1
		Free Field dB	0	−23	−24	−14	−3	−4	−9	−15	−24	−1
zone 3	Inlet side	In-duct dB	0	−17	−24	−13	−2	−6	−12	−19	−29	−2
		Free Field dB	0	−22	−26	−13	−2	−6	−12	−19	−29	−2
	Outlet side	In-duct dB	0	−12	−18	−12	−3	−5	−10	−15	−23	−1
		Free Field dB	0	−17	−20	−12	−3	−5	−10	−15	−23	−1
zone 4	Inlet side	In-duct dB	+1	−8	−15	−11	−9	−6	−7	−13	−16	−2
		Free Field dB	0	−13	−17	−11	−9	−6	−7	−13	−16	−3
	Outlet side	In-duct dB	0	−8	−16	−14	−9	−6	−6	−10	−17	−1
		Free Field dB	0	−13	−18	−14	−9	−6	−6	−10	−17	−2
zone 5	Inlet side	In-duct dB	−2	−13	−20	−12	−6	−5	−7	−14	−22	−2
		Free Field dB	−2	−18	−22	−12	−6	−5	−7	−14	−22	−2
	Outlet side	In-duct dB	0	−11	−18	−15	−8	−5	−6	−12	−20	−2
		Free Field dB	0	−16	−20	−15	−8	−5	−6	−12	−20	−2
zone 6	Inlet side	In-duct dB	−2	−8	−17	−11	−8	−6	−8	−13	−21	−3
		Free Field dB	−2	−13	−19	−11	−8	−6	−8	−13	−21	−3
	Outlet side	In-duct dB	0	−9	−14	−11	−8	−6	−7	−14	−22	−3
		Free Field dB	0	−14	−16	−11	−8	−6	−7	−14	−22	−3
zone 7	Inlet side	In-duct dB	+4	−13	−13	−7	−7	−6	−9	−12	−18	−2
		Free Field dB	+3	−18	−15	−7	−7	−6	−9	−12	−18	−3
	Outlet side	In-duct dB	0	−12	−14	−8	−7	−6	−7	−11	−15	−2
		Free Field dB	0	−17	−16	−8	−7	−6	−7	−11	−15	−1
zone 8	Inlet side	In-duct dB	+2	−10	−14	−7	−6	−8	−11	−13	−22	−4
		Free Field dB	+1	−15	−16	−7	−6	−8	−11	−13	−22	−4
	Outlet side	In-duct dB	0	−11	−14	−9	−5	−9	−12	−17	−26	−5
		Free Field dB	0	−16	−16	−9	−5	−9	−12	−17	−26	−6
zone 9	Inlet side	In-duct dB	−1	−8	−11	−8	−6	−8	−11	−13	−21	−3
		Free Field dB	−1	−13	−13	−8	−6	−8	−11	−13	−21	−4
	Outlet side	In-duct dB	0	−8	−11	−9	−6	−8	−11	−19	−24	−5
		Free Field dB	0	−13	−13	−9	−6	−8	−11	−19	−24	−5

DESENFUMAGE 400° C 2 HEURES

AXIAL / FLOW / FAN
Type 1000/250/14
1440 tr/mn maxi.

PERFORMANCE DATA

Fan Code
The full fan code uniquely identifies the principle geometry of the fan.

1000/250/14/1440/ . . .

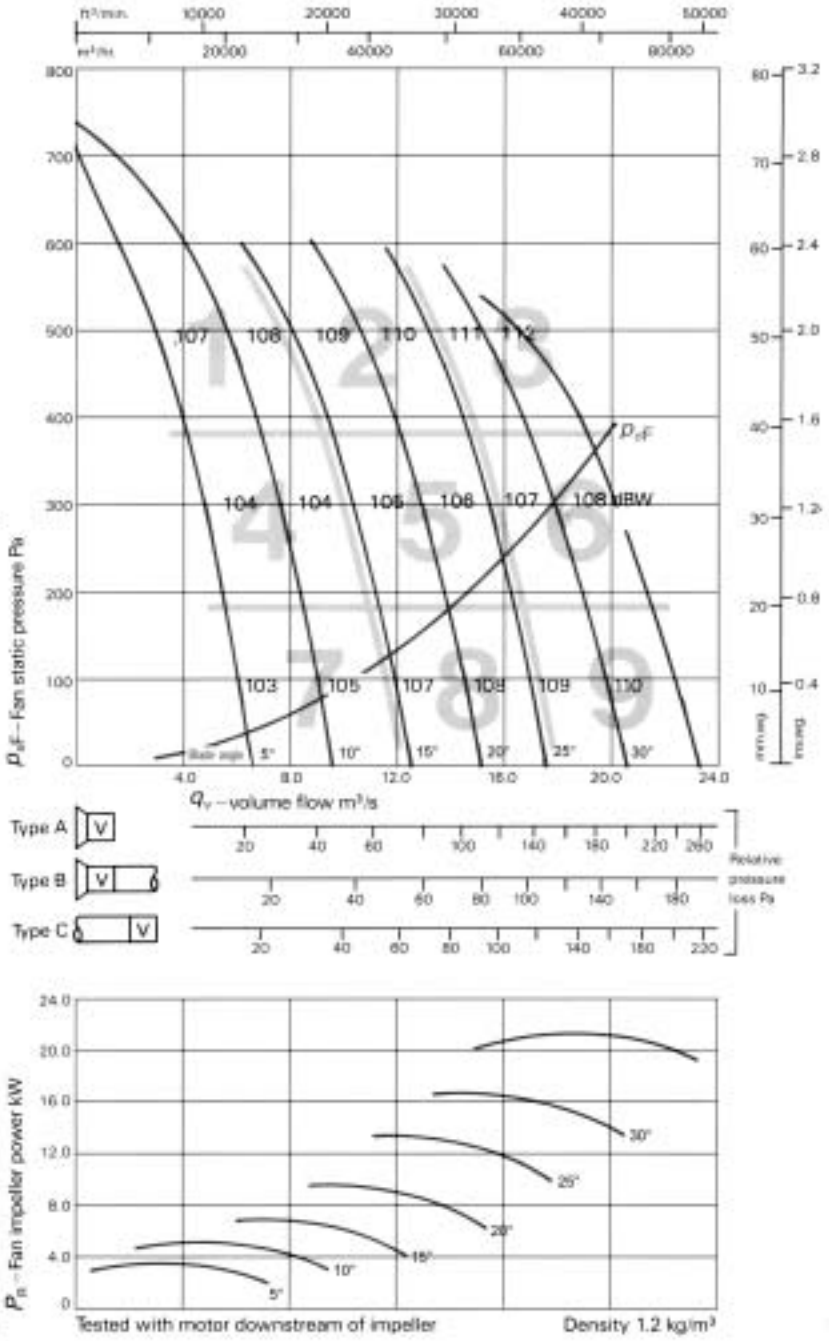
where –
1000 – Nominal diameter. mm.
250 – Hub diameter. mm.
14 – Number of blades.
1440 – Fan speed. rev/min.
. . . – Blade angle. degs.

Symbols
q_v – Volume flow
p_sF – Fan Static Pressure
p_dF – Fan Dynamic Pressure (based on Fan Duct area)
p_tF – $(p_sF + p_dF)$ – Fan Total Pressure
P_R – Fan Impeller Power
dBW – Sound Power dB

Fan total efficiency % $= \dfrac{q_v \times p_tF}{10\,P_R}$

Installation
For other installation categories the adjacent relative pressure loss must be added to the required static pressure before using the above graph.

Motor Data
The motor data shown below is based on manufacturers nominal information. Airstream cooling enables greater than standard motor output to be achieved in some instances depending on the operating ambient. While both direct-on-line and star-delta methods of starting can be used, the currents stated below are based on D.O.L. up to 5.5 kw and star-delta* over 5.5 kw.



Sound Levels
The sound levels shown on the performance curves above are the total Sound Power In-duct levels on the outlet side of the fan in dB re 1pW. Full sound data relating to Total and Spectra variations for both Inlet and Outlet side, ducted or free-field conditions are shown overleaf.

Performance Standards
This fan is part of a series of axial flow fans which have been fully tested to the requirements of BS 848 Part 1 (1980) for aerodynamic performance and BS 848 Part 2 (1985) for acoustic performance.

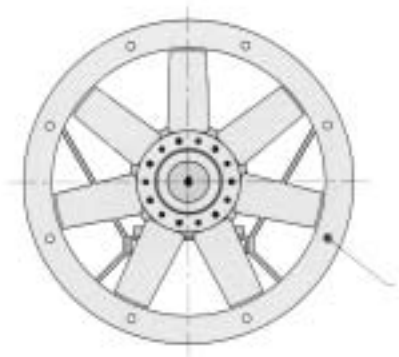
DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

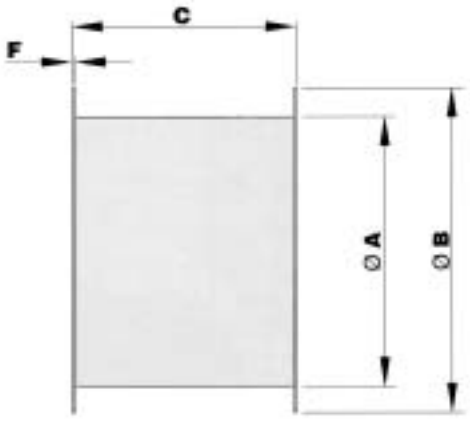
- 200°C 2 Heures.
- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.

Dimensions

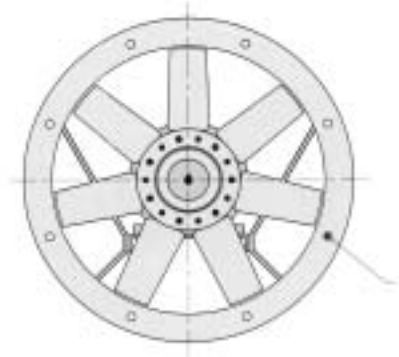
Virole longue - série LX - LP



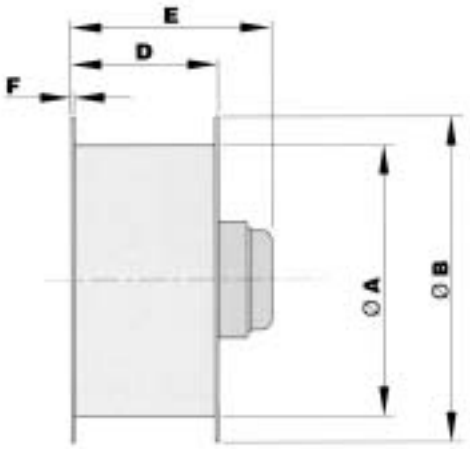
X trous Øn sur ØG



Virole courte - série LX - CP



X trous Øn sur ØG



DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.

Types	ØA	ØB	C	D	E	F	X	Øn	ØG
400 - 80	400	460	400	300	*	2.0	4	10	435
400 - 90L	400	460	400	340	*	2.0	4	10	435
400 - 90S	400	460	400	340	*	2.0	4	10	435
400 - 100L	400	460	400	380	*	2.0	4	10	435
500 - 80	500	564	440	300	*	2.0	6	10	540
500 - 90L	500	564	440	340	*	2.0	6	10	540
500 - 90S	500	564	440	340	*	2.0	6	10	600
560 - 80	560	630	500	300	*	3.0	6	10	600
560 - 90L	560	630	500	340	*	3.0	6	10	600
560 - 90S	560	630	500	340	*	3.0	6	10	600
630 - 80	630	706	500	300	*	3.0	8	10	675
630 - 90L	630	706	500	340	*	3.0	8	10	675
630 - 90S	630	706	500	340	*	3.0	8	10	675
630 - 100L	630	706	500	380	*	3.0	8	10	675
710 - 90L	710	790	650	340	*	3.0	8	10	760
710 - 100L	710	790	650	380	*	3.0	8	10	760
710 - 112M	710	790	650	380	*	3.0	8	10	760
800 - 90L	800	884	650	340	*	3.0	8	12	844
800 - 100L	800	884	650	380	*	3.0	8	12	844
800 - 112M	800	884	650	380	*	3.0	8	12	844
800 - 132S	800	884	650	480	*	3.0	8	12	844
800- 132M	800	884	650	480	*	3.0	8	12	844
900 - 90L	900	988	650	380	*	3.0	6	12	950
900 - 100L	900	988	650	380	*	3.0	6	12	950
900 - 112M	900	988	650	380	*	3.0	6	12	950
900 - 132S	900	988	650	480	*	3.0	6	12	950
900 - 132M	900	988	650	480	*	3.0	6	12	950
900 - 160M	900	988	650	560	*	3.0	6	12	950
900 - 160L	900	988	650	560	*	3.0	6	12	950
1000 - 100L	1000	1100	650	380	*	3.0	6	12	1044
1000 - 112M	1000	1100	650	380	*	3.0	6	12	1044
1000 - 132S	1000	1100	650	480	*	3.0	6	12	1044
1000 - 132M	1000	1100	650	480	*	3.0	6	12	1044
1000 - 160M	1000	1100	650	560	*	3.0	6	12	1044
1000 - 160L	1000	1100	650	560	*	3.0	6	12	1044

- RAPPEL : * Dimension suivant moteur.

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 2 vitesses 2/4 et 4/8 pôles.

DESENFUMAGE 2 VITESSES
200°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

Pour toute commande, il est indispensable d'indiquer les caractéristiques complètes, ainsi que:

La puissance du moteur (kW) et sa fréquence (Hz)..

Le sens du flux d'air A ou B.

DESIGNATION

Virole courte CP
Virole longue LP

Type du moyeu

Angle de pales

Sur demande

LX - CP/LP - 630 - 150 - 5 / 20 - 1440

Type

Ø Nominal

Nombre de pales

Vitesse du moteur en tr/mn

Moteurs 2/4 pôles 2880/1440 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 2 vitesse triphasé 400V			
LX 400 - 150 - 5	1,50/0,30	3,50/0,90	782,00 €
LX 400 - 150 - 5	2,20/0,50	4,80/1,10	889,00 €
LX 400 - 150 - 10	1,50/0,30	3,50/0,90	865,00 €
LX 400 - 150 - 10	2,20/0,50	4,80/1,10	972,00 €
LX 400 - 150 - 10	3,00/0,60	6,20/1,30	1076,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.

DESENFUMAGE 2 VITESSES

200°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Moteurs 4/8 pôles 1440/720 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 2 vitesse triphasé 400V			
LX 400 - 150 - 5	1,00/0,26	2,70/0,90	7[illegible] €
LX 400 - 150 - 10	[illegible]	2,70/0,90	812,00 €

LX 500

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 500 : 2 vitesse triphasé 400V			
LX 500 - 150 - 5	1,00/0,26	2,70/0,90	753,00 €
LX 500 - 150 - 10	1,00/0,26	2,70/0,90	836,00 €

Sur demande

LX 560

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 560 : 2 vitesse triphasé 400V			
LX 560 - 150 - 5	1,00/0,26	2,70/0,90	805,00 €
LX 560 - 250 - 7	1,00/0,26	2,70/0,90	895,00 €
LX 560 - 250 - 7	1,50/0,30	3,50/0,90	978,00 €
LX 560 - 150 - 10	1,00/0,26	2,70/0,90	888,00 €
LX 560 - 150 - 10	1,50/0,30	3,50/0,90	971,00 €
LX 560 - 250 - 14	1,00/0,26	2,70/0,90	1003,00 €
LX 560 - 250 - 14	1,50/0,30	3,50/0,90	1087,00 €
LX 560 - 250 - 14	2,00/0,50	4,50/1,70	1148,00 €
LX 560 - 250 - 14	2,60/0,60	6,50/2,20	1251,00 €

LX 630

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 630 : 2 vitesse triphasé 400V			
LX 630 - 150 - 5	1,00/0,26	2,70/0,90	821,00 €
LX 630 - 250 - 5	1,50/0,30	3,50/0,90	905,00 €
LX 630 - 250 - 7	1,00/0,26	2,70/0,90	911,00 €
LX 630 - 250 - 7	1,50/0,30	3,50/0,90	995,00 €
LX 630 - 250 - 7	2,00/0,50	4,50/1,70	1054,00 €
LX 630 - 250 - 7	2,60/0,60	6,50/2,20	1158,00 €
LX 630 - 150 - 10	1,00/0,26	2,70/0,90	904,00 €
LX 630 - 150 - 10	1,50/0,30	3,50/0,90	987,00 €
LX 630 - 150 - 10	2,00/0,50	4,50/1,70	1048,00 €
LX 630 - 150 - 10	2,60/0,60	6,50/2,20	1152,00 €
LX 630 - 250 - 14	1,00/0,26	2,70/0,90	980,00 €
LX 630 - 250 - 14	1,50/0,30	3,50/0,90	1103,00 €
LX 630 - 250 - 14	2,00/0,50	4,50/1,70	1164,00 €
LX 630 - 250 - 14	2,60/0,60	6,50/2,20	1267,00 €
LX 630 - 250 - 14	3,00/0,65	7,30/2,70	1351,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 2 vitesses 2/4 et 4/8 pôles.

DESENFUMAGE 2 VITESSES
200°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

Moteurs 4/8 pôles 1440/720 tr/mn

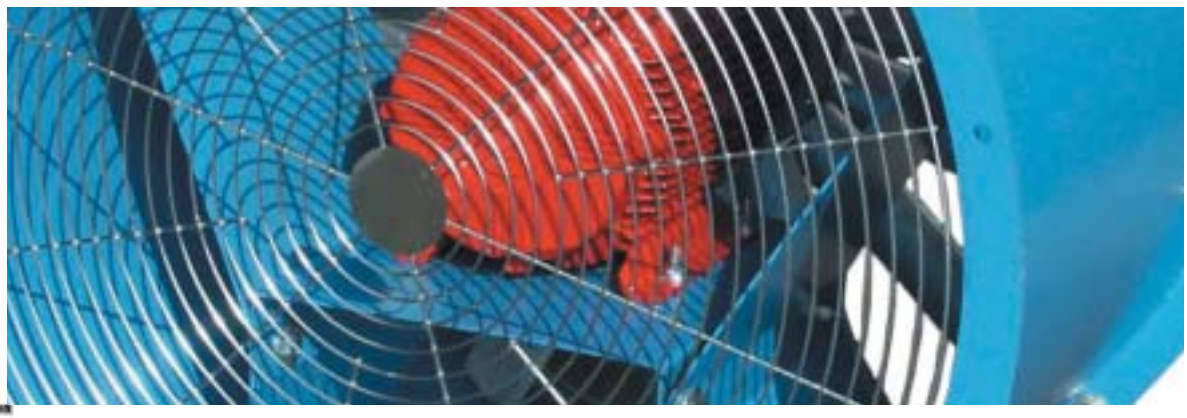
LX 710

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 710 : 2 vitesse triphasé 400V			
LX 710 - 250 - 7	1,00/0,26	2,70/1,90	923,00 €
LX 710 - 250 - 7	1,50/0,30	3,50/0,90	1006,00 €
LX 710 - 250 - 7	2,00/0,50	4,50/1,70	1067,00 €
LX 710 - 250 - 7	2,60/0,60	6,50/2,20	1171,00 €
LX 710 - 250 - 7	3,00/0,65	7,30/2,70	1255,00 €
LX 710 - 250 - 14	1,50/0,30	3,50/0,90	1115,00 €
LX 710 - 250 - 14	2,00/0,50	4,50/1,70	1175,00 €
LX 710 - 250 - 14	2,60/0,60	6,50/2,20	1279,00 €
LX 710 - 250 - 14	3,00/0,65	7,30/2,70	1363,00 €
LX 710 - 250 - 14	3,40/1,00	7,70/2,80	1443,00 €
LX 710 - 250 - 14	5,00/1,00	10,50/3,90	1604,00 €
LX 710 - 250 - 14	5,20/1,30	11,00/4,00	1695,00 €
LX 710 - 250 - 14	6,80/1,40	14,00/5,00	1952,00 €

Sur demande

LX 800

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 800 : 2 vitesse triphasé 400V			
LX 800 - 250 - 7	2,00/0,50	4,50/1,70	1079,00 €
LX 800 - 250 - 7	2,60/0,60	6,50/2,20	1183,00 €
LX 800 - 250 - 7	3,00/0,65	7,30/2,70	1266,00 €
LX 800 - 250 - 7	3,40/1,00	7,70/2,80	1347,00 €
LX 800 - 250 - 7	5,00/1,00	10,50/3,90	1512,00 €
LX 800 - 250 - 7	5,20/1,30	11,00/4,00	1602,00 €
LX 800 - 250 - 7	6,80/1,40	15,00/4,50	1897,00 €
LX 800 - 250 - 14	2,00/0,50	4,50/1,70	1187,00 €
LX 800 - 250 - 14	2,60/0,60	6,50/2,20	1291,00 €
LX 800 - 250 - 14	3,00/0,65	7,30/2,70	1374,00 €
LX 800 - 250 - 14	3,40/4,10	7,70/2,80	1455,00 €
LX 800 - 250 - 14	5,00/1,00	10,50/3,90	1616,00 €
LX 800 - 250 - 14	5,20/1,30	11,00/4,00	1707,00 €
LX 800 - 250 - 14	6,80/1,40	15,00/4,50	1964,00 €
LX 800 - 250 - 14	8,10/2,00	17,00/5,00	1981,00 €



DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 200°C 2 Heures.
- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.

DESENFUMAGE 2 VITESSES
200°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Moteurs 4/8 pôles 1440/720 tr/mn

LX 900

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 900 : 2 vitesse triphasé 400V			
LX 900 - 250 - 7	2,60/0,60	6,50/2,70	1239,00 €
LX 900 - 250 - 7	3,00/0,65	30/3,70	1322,00 €
LX 900 - 250 - 7	3,40/1,00	7,70/2,80	1402,00 €
LX 900 - 250 - 7	5,00/1,00	10,50/3,90	1568,00 €
LX 900 - 250 - 7	5,20/1,30	11,00/4,00	1658,00 €
LX 900 - 250 - 7	6,80/1,40	15,00/4,50	1916,00 €
LX 900 - 250 - 7	8,10/2,00	17,00/5,00	1933,00 €
LX 900 - 250 - 14	8,30/4,10	7,70/2,80	1511,00 €
LX 900 - 250 - 14	5,00/1,00	10,50/3,90	1673,00 €
LX 900 - 250 - 14	5,20/1,00	11,00/4,00	1763,00 €
LX 900 - 250 - 14	6,80/1,40	15,00/4,50	2022,00 €
LX 900 - 250 - 14	8,10/2,00	17,00/5,00	2038,00 €
LX 900 - 250 - 14	10,50/2,00	23,00/8,00	2332,00 €
LX 900 - 250 - 14	15,50/2,00	31,00/11,00	2921,00 €

Sur demande

LX 1000

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 1000 : 2 vitesse triphasé 400V			
LX 1000 - 250 - 7	3,40/1,00	7,70/2,80	1443,00 €
LX 1000 - 250 - 7	5,00/1,00	10,50/3,90	1609,00 €
LX 1000 - 250 - 7	5,20/1,30	11,00/4,00	1699,00 €
LX 1000 - 250 - 7	6,80/1,40	15,00/4,50	1956,00 €
LX 1000 - 250 - 7	8,10/2,00	17,00/5,00	1972,00 €
LX 1000 - 250 - 7	10,50/2,00	23,00/8,00	2267,00 €
LX 1000 - 250 - 7	15,50/2,00	31,00/11,00	2855,00 €
LX 1000 - 250 - 14	5,20/1,00	11,00/4,00	1803,00 €
LX 1000 - 250 - 14	6,80/1,00	15,00/4,50	2060,00 €
LX 1000 - 250 - 14	8,10/2,00	17,00/5,00	2077,00 €
LX 1000 - 250 - 14	10,50/2,00	23,00/8,00	2372,00 €
LX 1000 - 250 - 14	15,50/2,00	31,00/11,00	2960,00 €
LX 1000 - 250 - 14	17,00/3,40	33,00/11,50	3339,00 €
LX 1000 - 250 - 14	19,50/4,00	37,00/13,00	3820,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 1 VITESSE
400°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

Moteurs 2 pôles 2880 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 1 vitesse triphasé 230/400V			
LX 400 - 150 - 5	1,10	2,60	1039,00 €
LX 400 - 150 - 5	1,50	3,60	1190,00 €
LX 400 - 150 - 5	2,20	4,70	1322,00 €
LX 400 - 150 - 10	1,50	3,60	1262,00 €
LX 400 - 150 - 10	2,20	4,70	1389,00 €
LX 400 - 150 - 10	3,00	6,60	1548,00 €

Sur demande

Moteurs 4 pôles 1440 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 1 vitesse triphasé 230/400V			
LX 400 - 150 - 5	0,75	2,00	965,00 €
LX 400 - 150 - 10	0,75	2,00	1031,00 €

LX 500

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 500 : 1 vitesse triphasé 230/400V			
LX 500 - 150 - 5	0,75	2,00	983,00 €
LX 500 - 150 - 10	0,75	2,00	1051,00 €
LX 500 - 150 - 10	1,10	2,70	1191,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 1 VITESSE
400°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Moteurs 4 pôles 1440 tr/mn

LX 560

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 560 : 1 vitesse triphasé 230/400V			
LX 560 - 150 - 5	0,75	2,00	1026,00 €
LX 560 - 150 - 5	1,10	2,70	1166,00 €
LX 560 - 150 - 5	1,50	3,50	1297,00 €
LX 560 - 250 - 7	0,75	2,00	1198,00 €
LX 560 - 250 - 7	1,10	2,70	1238,00 €
LX 560 - 250 - 7	1,50	3,50	1370,00 €
LX 560 - 150 - 10	0,75	2,00	1098,00 €
LX 560 - 150 - 10	1,10	2,70	1232,00 €
LX 560 - 150 - 10	1,50	3,50	1364,00 €
LX 560 - 150 - 10	2,20	5,10	1480,00 €
LX 560 - 250 - 14	1,10	2,70	1325,00 €
LX 560 - 250 - 14	1,50	3,50	1457,00 €
LX 560 - 250 - 14	2,20	5,10	1573,00 €

LX 630

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 630 : 1 vitesse triphasé 230/400V			
LX 630 - 150 - 5	0,75	2,00	1039,00 €
LX 630 - 150 - 5	1,10	2,70	1179,00 €
LX 630 - 150 - 5	1,50	3,50	1310,00 €
LX 630 - 150 - 5	2,20	5,10	1426,00 €
LX 630 - 250 - 7	1,10	2,70	1251,00 €
LX 630 - 250 - 7	1,50	3,50	1383,00 €
LX 630 - 250 - 7	2,20	5,10	1499,00 €
LX 630 - 250 - 7	3,00	7,20	1643,00 €
LX 630 - 150 - 10	1,10	2,70	1243,00 €
LX 630 - 150 - 10	1,50	3,50	1377,00 €
LX 630 - 150 - 10	2,20	5,10	1493,00 €
LX 630 - 150 - 10	3,00	7,20	1638,00 €
LX 630 - 250 - 14	1,50	3,50	1470,00 €
LX 630 - 250 - 14	2,20	5,10	1585,00 €
LX 630 - 250 - 14	3,00	7,20	1731,00 €

Sur demande

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 1 VITESSE
400°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

Moteurs 4 pôles 1440 tr/mn

LX 710

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 710 : 1 vitesse triphasé 400V			
LX 710 - 250 - 7	1,10	2,70	1260,00 €
LX 710 - 250 - 7	1,50	3,50	1393,00 €
LX 710 - 250 - 7	2,20	5,10	1503,00 €
LX 710 - 250 - 7	3,00	7,20	1653,00 €
LX 710 - 250 - 7	4,00	9,10	1812,00 €
LX 710 - 250 - 14	1,50	3,50	1480,00 €
LX 710 - 250 - 14	2,20	5,10	1595,00 €
LX 710 - 250 - 14	3,00	7,20	1740,00 €
LX 710 - 250 - 14	4,00	9,10	1899,00 €
LX 710 - 250 - 14	5,50	11,90	2002,00 €
LX 710 - 250 - 14	7,50	15,20	2330,00 €

Sur demande

LX 800

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 800 : 1 vitesse triphasé 400V			
LX 800 - 250 - 7	1,50	3,50	1402,00 €
LX 800 - 250 - 7	2,20	5,10	1518,00 €
LX 800 - 250 - 7	3,00	7,20	1663,00 €
LX 800 - 250 - 7	4,00	9,10	1821,00 €
LX 800 - 250 - 7	5,50	11,90	1928,00 €
LX 800 - 250 - 7	7,50	15,20	2255,00 €
LX 800 - 250 - 14	2,20	5,10	1604,00 €
LX 800 - 250 - 14	3,00	7,20	1750,00 €
LX 800 - 250 - 14	4,00	9,10	1909,00 €
LX 800 - 250 - 14	5,50	11,90	2012,00 €
LX 800 - 250 - 14	7,50	15,20	2340,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 1 VITESSE
400°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Moteurs 4 pôles 1440 tr/mn

LX 900

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 900 : 1 vitesse triphasé 400V			
LX 900 - 250 - 7	3,00	7,20	1708,00 €
LX 900 - 250 - 7	4,00	9,10	1867,00 €
LX 900 - 250 - 7	5,50	11,90	1972,00 €
LX 560 - 250 - 7	7,50	15,20	2300,00 €
LX 560 - 250 - 14	4,00	9,10	1954,00 €
LX 560 - 250 - 14	5,50	11,90	2057,00 €
LX 560 - 250 - 14	7,50	15,20	2384,00 €
LX 560 - 250 - 14	11,00	21,30	3225,00 €
LX 560 - 250 - 14	15,00	26,80	3530,00 €

LX 1000

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 1000 : 1 vitesse triphasé 400V			
LX 1000 - 250 - 7	3,00	7,20	1740,00 €
LX 1000 - 250 - 7	4,00	9,10	1899,00 €
LX 1000 - 250 - 7	5,50	11,90	2005,00 €
LX 1000 - 250 - 7	7,50	15,20	2333,00 €
LX 1000 - 250 - 7	11,00	21,30	3174,00 €
LX 1000 - 250 - 7	15,00	26,80	3397,00 €
LX 1000 - 250 - 14	3,00	7,20	1827,00 €
LX 1000 - 250 - 14	4,00	9,10	1986,00 €
LX 1000 - 250 - 14	5,50	11,90	2089,00 €
LX 1000 - 250 - 14	7,50	15,20	2417,00 €
LX 1000 - 250 - 14	11,00	21,30	3258,00 €
LX 1000 - 250 - 14	15,00	26,80	3562,00 €
LX 1000 - 250 - 14	18,50	35,90	4369,00 €

Sur demande

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 2 vitesses 2/4 et 4/8 pôles.

DESENFUMAGE 2 VITESSES

400°C 2 Heures

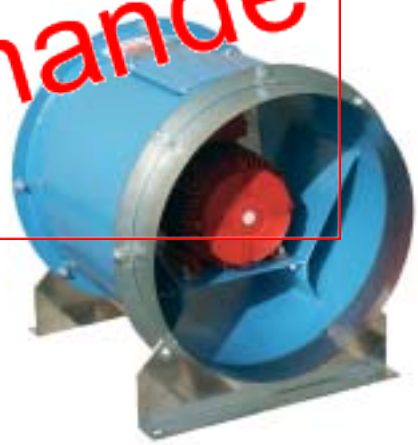
Virole courte
Série LX - CP
Virole longue
Série LX - LP

Moteurs 2/4 pôles 2880/1440 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 2 vitesses triphasé 400V			
LX 400 - 150 - 5	1,10/0,20	2,10/0,90	1368,00 €
LX 400 - 150 - 5	1,30/0,20	3,40/1,00	1530,00 €
LX 400 - 150 - 5	2,20/0,50	5,00/1,70	1715,00 €
LX 400 - 250 - 7	1,30/0,20	3,40/1,00	1608,00 €
LX 400 - 250 - 7	2,20/0,50	5,00/1,70	1792,00 €
LX 400 - 250 - 7	3,00/0,60	7,50/2,90	1921,00 €

Sur demande



Moteurs 4/8 pôles 1440/720 tr/mn

LX 400

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 400 : 2 vitesses triphasé 400V			
LX 400 - 150 - 5	0,67/0,15	1,70/0,70	1311,00 €
LX 400 - 150 - 5	1,27/0,33	3,00/1,40	1471,00 €
LX 400 - 150 - 10	0,67/0,15	1,70/0,70	1389,00 €
LX 400 - 150 - 10	1,27/0,33	3,00/1,40	1549,00 €

LX 500

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 500 : 2 vitesses triphasé 400V			
LX 500 - 150 - 5	0,67/0,15	1,70/0,70	1334,00 €
LX 500 - 150 - 5	1,27/0,33	3,00/1,40	1494,00 €
LX 500 - 150 - 10	0,67/0,15	1,70/0,70	1412,00 €
LX 500 - 150 - 10	1,27/0,33	3,00/1,40	1571,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 2 VITESSES

400°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Moteurs 4/8 pôles 1440/720 tr/mn

LX 560

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 560 : 2 vitesses triphasé 400V			
LX 560 - 150 - 5	0,67/0,15	1,70/0,70	1383,00 €
LX 560 - 150 - 5	1,27/0,33	3,00/1,40	1542,00 €
LX 560 - 150 - 5	2,20/0,50	5,50/3,00	1917,00 €
LX 560 - 250 - 7	0,67/0,15	1,70/0,70	1467,00 €
LX 560 - 250 - 7	1,27/0,33	3,00/1,40	1627,00 €
LX 560 - 250 - 7	2,20/0,50	5,50/3,00	2002,00 €
LX 560 - 150 - 10	0,67/0,15	1,70/0,70	1467,00 €
LX 560 - 150 - 10	1,27/0,33	3,00/1,40	1620,00 €
LX 560 - 150 - 10	2,20/0,50	5,50/3,00	1995,00 €
LX 560 - 250 - 14	1,27/0,33	3,00/1,40	1728,00 €
LX 560 - 250 - 14	2,20/0,50	5,50/3,00	2103,00 €
LX 560 - 250 - 14	2,80/0,70	7,20/2,60	2894,00 €

LX 630

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 630 : 1 vitesse triphasé 400V			
LX 630 - 150 - 5	0,67/0,15	1,70/0,70	1398,00 €
LX 630 - 150 - 5	1,27/0,33	3,00/1,40	1557,00 €
LX 630 - 150 - 5	2,20/0,50	5,50/3,00	1932,00 €
LX 630 - 250 - 7	0,67/0,15	1,70/0,70	1482,00 €
LX 630 - 250 - 7	1,27/0,33	3,00/1,40	1642,00 €
LX 630 - 250 - 7	2,20/0,50	5,50/3,00	2017,00 €
LX 630 - 250 - 7	2,80/0,70	7,20/2,60	2807,00 €
LX 630 - 150 - 10	1,27/0,33	3,00/1,40	1635,00 €
LX 630 - 150 - 10	2,20/0,50	5,50/3,00	2010,00 €
LX 630 - 150 - 10	2,80/0,70	7,20/2,60	2801,00 €
LX 630 - 250 - 14	1,27/0,33	3,00/1,40	1743,00 €
LX 630 - 250 - 14	2,20/0,50	5,50/3,00	2118,00 €
LX 630 - 250 - 14	2,80/0,70	7,20/2,60	2909,00 €
LX 630 - 250 - 14	3,80/1,00	8,30/3,10	3318,00 €

DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 2 vitesses 2/4 et 4/8 pôles.

DESENFUMAGE 2 VITESSES
400°C 2 Heures

Virole courte
Série LX - CP
Virole longue
Série LX - LP

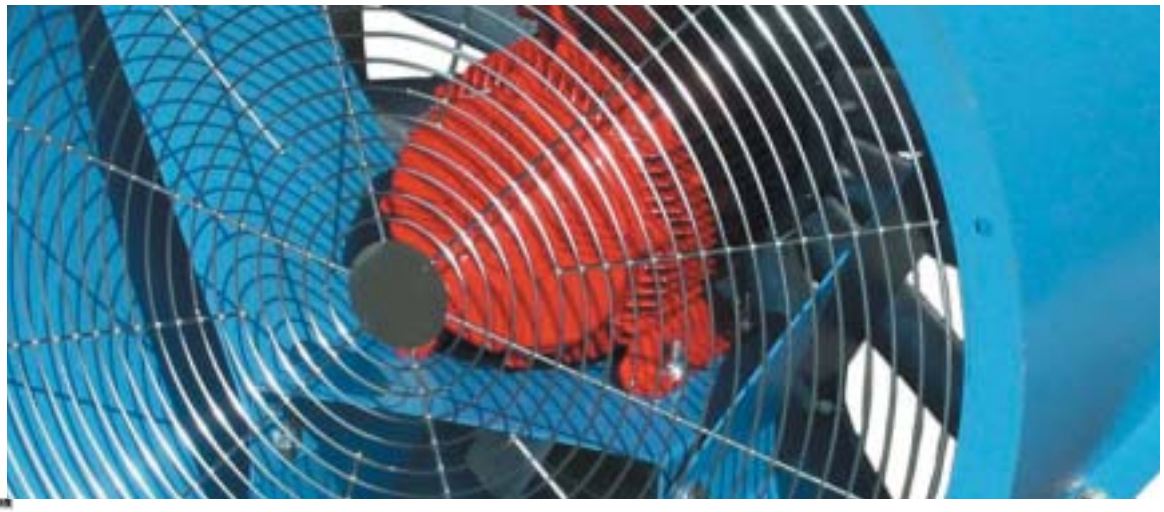
Sur demande

LX 710

Type	Puissance (kW)	Intensité (A) 400	Prix HT
LX 710 : 2 vitesses triphasé 400V			
LX 710 - 250 - 7	1,27/0,33	3,00/1,40	1653,00 €
LX 710 - 250 - 7	2,20/0,50	5,50/3,00	2028,00 €
LX 710 - 250 - 7	2,80/0,70	7,20/2,60	2819,00 €
LX 710 - 250 - 7	3,80/1,00	8,30/3,10	3228,00 €
LX 710 - 250 - 14	1,27/0,33	3,00/1,40	1754,00 €
LX 710 - 250 - 14	2,20/0,50	5,50/3,00	2129,00 €
LX 710 - 250 - 14	2,80/0,70	7,20/2,60	2920,00 €
LX 710 - 250 - 14	3,80/1,00	8,30/3,10	3329,00 €
LX 710 - 250 - 14	5,00/1,30	11,50/4,80	4340,00 €
LX 710 - 250 - 14	7,20/1,80	15,00/5,20	4643,00 €

LX 800

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 800 : 2 vitesses triphasé 400V			
LX 800 - 250 - 7	1,27/0,33	3,00/1,40	1664,00 €
LX 800 - 250 - 7	2,20/0,50	5,50/3,00	2039,00 €
LX 800 - 250 - 7	2,80/0,70	7,20/2,60	2830,00 €
LX 800 - 250 - 7	3,80/1,00	8,30/3,10	3239,00 €
LX 800 - 250 - 7	5,00/1,30	11,50/4,80	4253,00 €
LX 800 - 250 - 7	7,20/1,80	15,00/5,20	4556,00 €
LX 800 - 250 - 14	2,20/0,50	5,50/3,00	2140,00 €
LX 800 - 250 - 14	2,80/0,70	7,20/2,60	2931,00 €
LX 800 - 250 - 14	3,80/1,00	8,30/3,10	3340,00 €
LX 800 - 250 - 14	5,00/1,30	11,50/4,80	4351,00 €
LX 800 - 250 - 14	7,20/1,80	15,00/5,20	4654,00 €
LX 800 - 250 - 14	10,50/2,00	22,60/8,00	4904,00 €



DESENFUMAGE 400° C 2 HEURES

VENTILATEURS HELICOÏDES DE DESENFUMAGE

- 400°C 2 Heures.
- Virole longue LX - LP.
- Virole courte LX - CP.
- Moteurs 1 vitesse 2 et 4 pôles.

DESENFUMAGE 2 VITESSES

400°C 2 Heures

Virole courte
Série LX - CP

Virole longue
Série LX - LP

Sur demande

LX 900

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 900 : 2 vitesses triphasé 400V			
LX 900 - 250 - 7	2,20/0,50	5,50/3,00	2092,00 €
LX 900 - 250 - 7	2,80/0,70	7,20/2,60	2882,00 €
LX 900 - 250 - 7	3,80/1,00	8,30/3,10	3292,00 €
LX 900 - 250 - 7	5,00/1,30	11,50/4,80	4306,00 €
LX 900 - 250 - 7	7,20/1,80	15,00/5,20	4609,00 €
LX 900 - 250 - 7	10,50/2,20	22,60/8,00	4859,00 €
LX 900 - 250 - 14	2,80/0,70	7,20/2,60	2984,00 €
LX 900 - 250 - 14	3,80/1,00	8,30/3,10	3393,00 €
LX 900 - 250 - 14	5,00/1,30	11,50/4,80	4404,00 €
LX 900 - 250 - 14	7,20/1,80	15,00/5,20	4707,00 €
LX 900 - 250 - 14	10,50/2,00	22,60/8,00	4957,00 €
LX 900 - 250 - 14	15,50/2,00	31,00/8,50	5450,00 €

LX 1000

Type	Puissance (kW)	Intensité (A) 400V	Prix HT
LX 1000 : 1 vitesse triphasé 400V			
LX 1000 - 250 - 7	2,20/0,50	5,50/3,00	2129,00 €
LX 1000 - 250 - 7	2,80/0,70	7,20/2,60	2920,00 €
LX 1000 - 250 - 7	3,80/1,00	8,30/3,10	3329,00 €
LX 1000 - 250 - 7	5,00/1,30	11,50/4,80	4343,00 €
LX 1000 - 250 - 7	7,20/1,80	15,00/5,20	4646,00 €
LX 1000 - 250 - 7	10,50/2,00	22,60/8,00	4896,00 €
LX 1000 - 250 - 7	15,50/2,00	31,00/8,50	5390,00 €
LX 1000 - 250 - 14	2,80/0,70	7,20/2,60	3021,00 €
LX 1000 - 250 - 14	3,80/1,00	8,30/3,10	3430,00 €
LX 1000 - 250 - 14	5,00/1,30	11,50/4,80	4441,00 €
LX 1000 - 250 - 14	7,20/1,80	15,00/5,20	4744,00 €
LX 1000 - 250 - 14	10,50/2,00	22,60/8,00	4994,00 €
LX 1000 - 250 - 14	15,50/2,00	31,00/8,50	5488,00 €
LX 1000 - 250 - 14	17,00/3,40	33,00/11,50	6795,00 €
LX 1000 - 250 - 14	22,00/4,00	44,00/15,00	7261,00 €

OPTIONS

Désignations	Pages
Grilles de protection	98
Plots antivibratiles	141
Pieds de fixation	99
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