

AIRBOX SERIES

A



DESCRIPTION

Airbox is a low profile, extraction fan that can be installed into tight ceiling spaces such as between floors or within cathedral ceilings. It features a non-return damper to eliminate backdraft and a high performance centrifugal impeller that produces powerful air flow and low noise. Models to suit 100mm and 150mm diameter duct sizes are available.

Typical Applications

Exhausts air from residential and light commercial rooms such as toilets, bathrooms, laundries, kitchens and ensuites. Particularly suited to applications where space is restricted.

Features

- Removable clip-in grille makes cleaning easy.
- Convenient installation with ceiling latch or screw-in fixing.
- Designed for use in ducted systems.
- High performance "continuous run" motor.
- Made from durable injection moulded plastic.
- Non-return damper eliminates backdraft.
- 6 minute run-on timer version available.
- Models include plug and lead (timer models come with 4 pin plug) to make installation easier.

Construction

Housing and grille are made from injected moulded plastic. Fans are forward-curved centrifugal, driven by a squirrel cage motor.

Motor

Type - squirrel cage induction motor.
Electricity supply - 230V, single-phase, 50Hz.
Bearings - sealed for life, ball.
See pages O-2/3 for details on these motors.

Internal Thermal Protection

Manual-reset thermal protection is fitted as standard

Testing

Air flow to ISO5801: 1997
Noise to AS1217.5: 1985

Special Note

Timer model is not speed controllable.

SUGGESTED SPECIFICATION

The ceiling fans shall be of the Airbox Series as supplied by Fantech and be of the model number shown on the schedule/drawing.

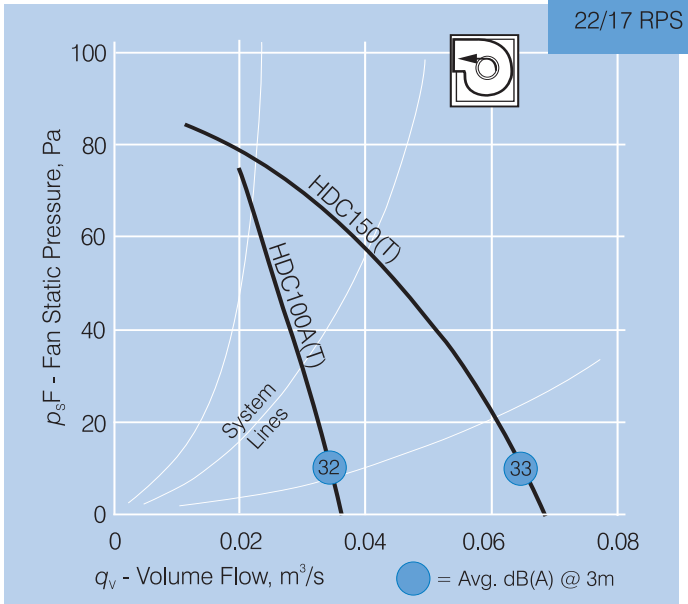
Impellers shall be forward-curved centrifugal and driven by a squirrel cage motor with integral thermal protection. Fans shall be fitted with a non-return backdraft damper and removable clip-in grille.

They shall be tested to ISO5801: 1997 for air flow and AS1217.5: 1985 for noise.

HOW TO ORDER

Select the model that meets your air flow and application requirements from the graph. If the performance required falls between two models, the one handling the most air should be selected.

22/17 RPS

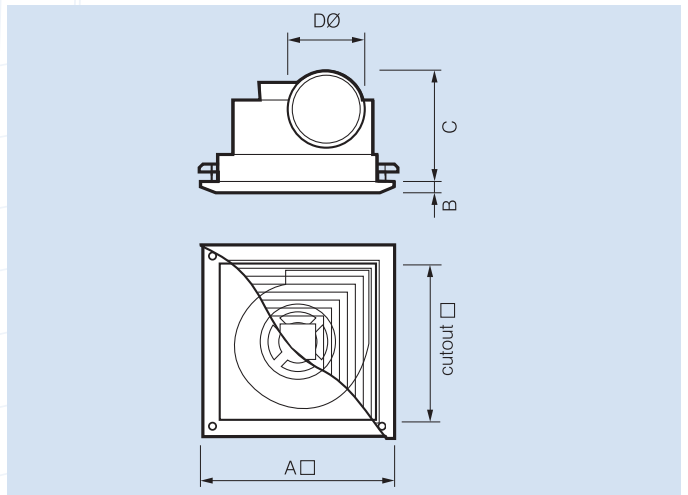


TECHNICAL DATA

Model Number	Fan Speed rev/sec	Avg. dB(A) @ 3m	Watts	Amps	App. Wt. kg
HDC100A	22	32	30	0.14	2.5
HDC150	17	33	35	0.16	3.25
HDC100AT	22	32	30	0.14	2.5
HDC150T	17	33	35	0.16	3.25

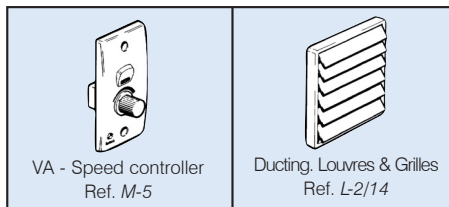
Models HDC100AT and HDC150T include 6 minute run-on timer.

DIMENSIONS



Model Number	Dimensions, mm				
	A	B	C	DØ	Cutout
HDC100A(T)	267	20	168	100	232
HDC150(T)	322	22	192	150	280

ANCILLARY EQUIPMENT



Scan the QR Code to view more information online.

