DESCRIPTION

The JetStream Fan® Series features a slim-line, duct mounted centrifugal fan that can fit into areas where space is limited. When combined with the unique Smooth Flow Backdraft Damper, with its ultra-low pressure loss, air flow is maximised while noise generation is minimal. There are five models in the range.

Typical Applications

Exhausts from bathrooms, ensuites, toilets, laundries, kitchen hoods, and clothes dryer venting.

Features

- The JetStream Fan® is available in the following models:
  - JCE152-1 150mm single-speed fan.
  - JCE152-1SJK 150mm single-speed fan with smooth flow backdraft damper.
  - JCE152-3 150mm 3-speed fan with integrated switch and smooth flow backdraft damper.
  - JCE152-3SJK 150mm 3-speed fan with integrated switch and smooth flow backdraft damper.
  - JCE202-3 200mm 3-speed fan with integrated switch.

- High performance Slim-line design to optimise air flow and pressure performance and to enable mounting in restricted spaces.
- Snap-Fit Mounting Bracket absorbs vibration and is simple to install.
- 3-pin plug and lead is a standard fitting.
- Low pressure loss Smooth Flow Backdraft Damper can be supplied as an optional extra.
- Can be mounted in any position.

Construction

Housing is of a robust, injection moulded engineering plastic. Fans are backward-curved centrifugal mounted on an external rotor motor.

Motors

Type - external rotor, squirrel cage induction motor.
Electrical supply - 230V, single-phase, 50Hz.
Bearings - sealed for life, ball.
Maximum ambient - 50 °C.
Motor protection - IP44.
Models JCE152-1 and JCE152-1SJK are speed-controllable using electronic controller.
See pages O-2/3 for details on these motors.

Internal Thermal Protection

Manual reset thermal overloads comply with the mandatory requirements of AS/NZS60335.2.80:2004 for in-duct fans.

Testing

Air flow tests to AS ISO5801:1997
Noise tests to BS848:Part 2, 1985
Meets requirement of AS/NZS 60335.2.80:2004

SUGGESTED SPECIFICATION

In-line fans shall be of the JetStream Fan® type as designed and manufactured by Fantech Pty Ltd.
All models shall be fully tested to ISO5801:1997 for air flow and to BS848:Part 2, 1985 for noise.
All models shall meet the mandatory requirements of AS/NZS60335 Parts 1 & 2-80 for safety as well as AS/NZS 60335.2.80:2004 for manual-reset thermal overload protection.

HOW TO ORDER

JCE - JetStream Fan®, centrifugal
Connecting spigot dia, cm
Max. fan speed, no. of poles
3 - 3-speed fan
1 - Single-speed
SJ - Smooth Flow Backdraft Damper if fitted

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SPECIAL FEATURES

Snap-Fit Mounting Bracket
The Snap-Fit Mounting Bracket can be installed on-site beforehand and the fan simply clips into position at final fit-out. 3 holes are provided for 1 or 2 point mounting.

The bracket includes grommets and a spring design which provides vibration isolation for the fan - no other means of vibration isolation is necessary.

3-Speed Switch
The integrated 3-speed switch (on JCE152-3 and JCE202-3 models) is ideal for air flow adjustment when commissioning.

Smooth Flow Backdraft Damper
The SJK, Smooth Flow Backdraft Damper, is a patented design with outstanding performance characteristics. These characteristics result in a 50% higher air flow for the 152 model and 15% for the 202 model when compared to using spring loaded dampers.

ANCILLARY EQUIPMENT

DA - 150Ø duct adaptor (to suit Ø100mm DWV pipe)
CC - Circular attenuator Ref. H-16
SJJK - Backdraft Damper Ref. J-3
RSK - Backdraft Dampers Ref. J-3
FC - Fast clamp Ref. J-5
Ducting, Louvres & Grilles Ref. L-6/14
Ceiling Grilles Ref. L-13/14
Plug-In Run-on Timer and Speed Controller* Ref. M-16
Hard Wired Adjustable Run-on Timer Ref. M-14/15

* Speed Controller suitable for JCE152-1 (SJK) only

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Speed Setting</th>
<th>Fan Speed rev/sec</th>
<th>Avg. dB(A) @ 3m</th>
<th>JCE.. 1ph. Watts</th>
<th>Max. Amb °C</th>
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NOISE DATA

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<td>Low</td>
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Sound Power Levels shown are for the Inlet Side of unit.

DIMENSIONS

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<th>Model Number</th>
<th>Dimensions, mm</th>
<th>A</th>
<th>B†</th>
<th>C</th>
<th>D</th>
<th>EØ</th>
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† Applicable only when Smooth Flow Damper is fitted

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