DESCRIPTION
The HB Series exhaust fan is specifically designed for ceiling mounting and is suitable for residential and light commercial applications. These high performance products feature a reliable external rotor motor and include a corrosion-free housing and grille.

Typical Applications
Exhausts air from residential or light commercial rooms such as laundries, bathrooms, kitchens, ensuites, wine cellars and bars. Particularly suited to applications where space is restricted.

Features
- High performance backward-curved centrifugal fan.
- Fitted with a reliable external rotor motor.
- Available in 2 pole or 4 pole speeds.
- Designed for use in ducted systems.
- Model HB12E includes a built-in speed-controller.
- Surface-mounted grille is removable.

Construction
Housing is of vacuum formed plastic.
The grille is of injected moulded plastic.
Fans are backward-curved centrifugal, driven by an external rotor motor.

Motor
Type - external rotor, squirrel cage induction motor.
Electricity supply - 230V, single-phase, 50Hz.
Bearings - sealed for life, ball.
Model HB12E is speed-controllable.
Class B motor, IP44 rated.
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

Wiring Diagram
See page N-8, diagram ER4

DIMENSIONS
To suit 1250ø flexible duct

TECHNICAL DATA

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<th>Model Number</th>
<th>Fan Speed rev/sec</th>
<th>Avg. dB(A) @ 3m</th>
<th>HB., 1 ph. Watts</th>
<th>App. Amps</th>
<th>Wt. kg</th>
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NOISE DATA

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<th>Lw dB re 1pW 2k</th>
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SUGGESTED SPECIFICATION
The fans shall be the HB Series Fan Header Box units manufactured and supplied by Fantech Pty. Ltd. The HB12E unit shall incorporate speed-controllers as standard. Motors are to have thermal cut-out protection.

ANCILLARY EQUIPMENT

VA - Speed controller
Ref. M-5

Ducting, Louvres & Grilles
Ref. L-6/14

VZ - Run-on timer
Ref. M-14

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.

Scan the QR Code to view more information online.