**FEATURES**

The JISU Series centrifugal induction fan range comprises 2 standard sizes, 50N and 100N thrust. This range is suitable for ambient temperature operation but is also designed for high temperature conditions required in fire-smoke control ventilation systems. The JISU centrifugal fans are designed in a low profile, uni-directional housing.

**Construction**

Low-profile galvanised steel housing with aerodynamically designed internal flow elements.
Light grey powder coated finish as standard.
Backward curved centrifugal impeller.

**Motors**

Type - external rotor, squirrel cage induction motor.
Electricity supply - 415V, three-phase, 50Hz.
Bearings - sealed-for-life ball.
Speed controllable using inverter controllers, which must be bypassed in smoke control mode.
Motors are suitable for ambient conditions as well as high temperature conditions required for smoke-control applications. See pages N-2/3 for details of these motors.

**Testing**

Thrust-air performance based on tests to BS848 Part 10,1999 “Fans for general purpose - Performance testing of jet fans”.
High temperature requirements tested to AS4429:1999.

**Special Features**

Can be supplied for uni-directional airflow and develop either 50N or 100N thrust.
Suitable for ambient applications but is also designed for smoke-spill applications as standard. Successfully tested up to 200°C for 2 hours and 300°C for 30 minutes.
Colours other than standard light grey are optional extra.

**Wiring Diagram**

See page M-9, diagram ER9.

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**TECHNICAL DATA & NOISE LEVELS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan Speed r/s</th>
<th>Free Air m³/s</th>
<th>Thrust N</th>
<th>JISU... 3 ph. kW</th>
<th>Avg. dB(A) @ 3m</th>
<th>In-duct Sound Power Levels L_w dB re 1pW</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPC-50N</td>
<td>23</td>
<td>1.63</td>
<td>50</td>
<td>1.42</td>
<td>80</td>
<td>69</td>
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<tr>
<td>CPC-100N</td>
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<td>2.39</td>
<td>100</td>
<td>2.6</td>
<td>80</td>
<td>68</td>
</tr>
</tbody>
</table>

**SUGGESTED SPECIFICATION**

The JetVent Centrifugal Induction fans shall be of the JISU series as supplied by Fantech and be of the model numbers shown.

The housing shall be of powder coated galvanised steel design with internal aerodynamic flow elements.

All data shall be based on jet-induction fans fully tested to BS848-Part 10, 1999 for thrust and and BS848-Part 2, 1985 for noise. Units for smoke-spill use shall be tested to AS4429:1999.