Project Number: 02015bd

Fan
Make: Big Dutchman
Model #: 60-50-5201
Manufacturer: Canarm
Blade Size: 50" dia.
Orifice Dia.: 51"

Blade
Number: 3
Shape: propeller
Material: cast aluminum
Pitch: -
Clearance: 0.5"

Shutter
Material: Plastic
# of Doors: 16 per column
# of Columns: 3
Door Length: 18"
Location: intake

Other Attachments:

Test Date: January 8, 2002

Motor
Make: Marathon
Model #: 8VH56T17T5549E P
H.P.: 1
Amps: 4.6/2.3
Volts: 208-230/460 3 phase
RPM: 1725
S.F.: 1.0

Drive
Drive Pulley Dia. 3.5" o.d.
Axle Pulley Dia.: 10" o.d.

Housing
Material: fiberglass
Intake Area: 54" x 54.7"
Discharge Area: 51" dia.
Depth: 44" top
31" bottom

Guards
Description: wire
Spacing: 2" concentric
Location: exhaust
### Test Results

**BIG DUTCHMAN 60-50-5201**

<table>
<thead>
<tr>
<th>Static Pressure</th>
<th>Speed</th>
<th>Airflow</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test: 02015bd</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 3 phase</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.00 in. water</td>
<td>584 rpm</td>
<td>25,500 cfm</td>
<td>20.7 cfm/Watt</td>
</tr>
<tr>
<td>0.05</td>
<td>583</td>
<td>24,000</td>
<td>18.6</td>
</tr>
<tr>
<td>0.10</td>
<td>581</td>
<td>22,300</td>
<td>16.5</td>
</tr>
<tr>
<td>0.15</td>
<td>580</td>
<td>20,500</td>
<td>14.6</td>
</tr>
<tr>
<td>0.20</td>
<td>578</td>
<td>18,300</td>
<td>12.6</td>
</tr>
<tr>
<td>0.25</td>
<td>578</td>
<td>13,400</td>
<td>9.2</td>
</tr>
<tr>
<td>0.30</td>
<td>574</td>
<td>10,500</td>
<td>6.6</td>
</tr>
</tbody>
</table>

Fan description:
- 50" belt drive, 1 hp Marathon 8VH56T17T5549E motor, fiberglass housing, plastic shutter and guard