Project Number: 02196bd

Fan
Make: Big Dutchman
Model #: 60-50-5204
Manufacturer: Canarm
Blade Size: 49.5”
Orifice Dia.: 51”

Blade
Number: 3
Shape: propeller
Material: galvanized steel
Pitch: -
Clearance: 0.7”

Shutter
Material: plastic w/s.s. frame
# of Doors: 16 per column
# of Columns: 3
Door Length: 18”
Location: intake

Other Attachments:

Test Date: June 18, 2002

Motor
Make: Marathon
Model #: 8VM56T17T5549E
H.P.: 1
Amps: 4.6/2.3
Volts: 208-230/460 3 phase
RPM: 1725
S.F.: -

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

Housing
Material: fiberglass

Intake Area: 54” x 52.3”
Discharge Area: 53” dia.
Depth: 43” top
31” bottom

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

**BIG DUTCHMAN 60-50-5204**

<table>
<thead>
<tr>
<th>Test: 02196bd</th>
<th>Static Pressure</th>
<th>Speed</th>
<th>Airflow</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>in. water</td>
<td>rpm</td>
<td>cfm</td>
<td>cfm/Watt</td>
<td></td>
</tr>
<tr>
<td>0.00</td>
<td>582</td>
<td>23,800</td>
<td>22.0</td>
<td></td>
</tr>
<tr>
<td>0.05</td>
<td>582</td>
<td>22,300</td>
<td>19.6</td>
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<tr>
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<td>580</td>
<td>20,800</td>
<td>17.4</td>
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<td>19,200</td>
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<td>17,400</td>
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<td>0.30</td>
<td>575</td>
<td>10,600</td>
<td>7.9</td>
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</tbody>
</table>

Fan description:
- 50" belt drive, 1 hp Marathon 8VM56T17T5549E motor, fiberglass housing, plastic shutter and guard.