**Project Number:** 03045bd

**Test Date:** 4/29/03

**Fan**  
*Make:* Big Dutchman

*Model #:* 60-50-5206

*Manufacturer:* Canarm

*Blade Size:* 50”

*Orifice Dia.:* 50.8”

**Blade**  
*Number:* 50”

*Shape:* 3

*Material:* galv. steel

*Pitch:* -

*Clearance:* 0.4”

**Shutter**  
*Material:* plastic

*# of Doors:* 16 per column

*# of Columns:* 3

*Door Length:* 18”

*Location:* intake

**Other Attachments:**

**Motor**  
*Make:* GE

*Model #:* 5K49PN4354

*H.P.:* 1

*Amps:* 3.9-3.5/2.2-2.0

*Volts:* 220-230/380-/415

*RPM:* 1725/1425

*S.F.:* 1.00

**Drive**  
*Drive Pulley Dia.* 3.8” o.d.

*Axle Pulley Dia.:* 9” o.d.

**Housing**  
*Material:* fiberglass

*Intake Area:* 54” x 52.3”

*Discharge Area:* 55” dia.

*Depth:* 44” top

*31” bottom

**Guards**  
*Description:* wire

*Spacing:* 2”

*Location:* exhaust
## TEST RESULTS

**BIG DUTCHMAN 60-50-5206**

<table>
<thead>
<tr>
<th>Static Pressure</th>
<th>Speed</th>
<th>Airflow</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>in. water</strong></td>
<td><strong>rpm</strong></td>
<td><strong>cfm</strong></td>
<td><strong>cfm/Watt</strong></td>
</tr>
<tr>
<td>0.00</td>
<td>570</td>
<td>23,300</td>
<td>21.7</td>
</tr>
<tr>
<td>0.05</td>
<td>568</td>
<td>21,900</td>
<td>19.9</td>
</tr>
<tr>
<td>0.10</td>
<td>566</td>
<td>20,100</td>
<td>17.2</td>
</tr>
<tr>
<td>0.15</td>
<td>564</td>
<td>18,500</td>
<td>15.6</td>
</tr>
<tr>
<td>0.20</td>
<td>563</td>
<td>16,800</td>
<td>13.8</td>
</tr>
<tr>
<td>0.25</td>
<td>561</td>
<td>14,200</td>
<td>11.4</td>
</tr>
<tr>
<td>0.30</td>
<td>559</td>
<td>9,600</td>
<td>7.5</td>
</tr>
</tbody>
</table>

Test: 03045bd

- 3 phase, 380V, 50Hz

Fan description:
- 50" belt drive, 1 hp GE 5K49PN4354 motor, fiberglass housing, plastic shutter, guard and discharge cone

**Note:**
- The test results are measured at 0.00 in. water static pressure with a 3 phase, 380V, 50Hz fan described as follows:
  - 50" belt drive, 1 hp GE 5K49PN4354 motor, fiberglass housing, plastic shutter, guard and discharge cone.