**Project Number:** 03046bd  
**Test Date:** April 29, 2003

### Fan

**Make:** Big Dutchman  
**Model #:** 60-36-5205  
**Manufacturer:** Canarm  
**Blade Size:** 35.9”  
**Orifice Dia.:** 36.8”

### Blade

**Number:** 4  
**Shape:** propeller  
**Material:** galvanized steel  
**Pitch:** -  
**Clearance:** 36.8”

### Shutter

**Material:** plastic  
**# of Doors:** 12 per column  
**# of Columns:** 2  
**Door Length:** 20”  
**Location:** intake

### Motor

**Make:** Marathon  
**Model #:** AWA56T17T5600A  
**H.P.:** 1/2  
**Amps:** 2.0-1.8/0.9 60Hz  
1.8-2.0/.9-1.0 50 Hz  
**Volts:** 208-230/460 60 Hz  
190-240/380-480 50 Hz  
**RPM:** 1725/1425  
**S.F.:** 1.00

### Drive

**Drive Pulley Dia.:** 3.5” o.d.  
**Axle Pulley Dia.:** 9.0” o.d.

### Housing

**Material:** fiberglass  
**Intake Area:** 42” x 41”  
**Discharge Area:** 40.3” dia.  
**Depth:** 36” top  
26” bottom

### Guards

**Description:** wire  
**Spacing:** 2”  
**Location:** exhaust
## TEST RESULTS

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>0.00</td>
<td>545</td>
<td>10,820</td>
<td>24.2</td>
</tr>
<tr>
<td>0.05</td>
<td>543</td>
<td>9,790</td>
<td>20.5</td>
</tr>
<tr>
<td>0.10</td>
<td>541</td>
<td>8,610</td>
<td>17.2</td>
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<tr>
<td>0.15</td>
<td>539</td>
<td>6,570</td>
<td>12.6</td>
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<tr>
<td>0.20</td>
<td>538</td>
<td>3,680</td>
<td>6.9</td>
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<tr>
<td>0.25</td>
<td>534</td>
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<tr>
<td>0.30</td>
<td>528</td>
<td>1,690</td>
<td>2.7</td>
</tr>
</tbody>
</table>

**BIG DUTCHMAN 60-36-5205**

Test: 03046bd
- 3 phase, 380V, 50Hz
- Fan description:
  - 36" belt drive, ½ hp Marathon AWA56T17T5600A motor, fiberglass housing, plastic shutter and guard

The table above provides the test results for the BIG DUTCHMAN 60-36-5205 fan, including static pressure, speed, airflow, and efficiency at various levels of static pressure. The fan operates on a 3 phase, 380V, 50Hz system and is described with a 36" belt drive, ½ hp Marathon AWA56T17T5600A motor, fiberglass housing, plastic shutter, and guard.