Project Number: 97323V

Fan
- Make: Val
- Model #: VAPMC-4821BD
- Manufacturer: -
- Blade Size: 48"
- Orifice Dia.: 48.8"

Blade Lau 203504
- Number: 3
- Shape: propeller
- Material: stainless steel
- Pitch: -
- Clearance: 0.4"

Shutter
- Material: plastic
- # of Doors: 17 per column
- # of Columns: 3
- Door Length: 17.5"
- Location: intake

Other Attachments:
- Discharge cone 48.8" i.d., 65" o.d., 37" deep

Test Date: November 25, 1997

Motor
- Make: Magnetek
- Model #: 8-182505
- H.P.: 1
- Amps: 4.3/8.6
- Volts: 230/115
- RPM: 1725
- S.F.: 1.4

Drive
- Drive Pulley Dia.: 3.8" o.d.
- Axle Pulley Dia.: 11" o.d.

Housing
- Material: fiberglass
- Intake Area: 54.8" x 55"
- Discharge Area: 48.8" dia.
- Depth: 26.5" top
- 22" bottom

Guards
- Description: wire
- Spacing: 2" concentric
- Location: exhaust
# TEST RESULTS

**VAL VAPMC-4821BD**

<table>
<thead>
<tr>
<th>Static Pressure in. water</th>
<th>Speed rpm</th>
<th>Airflow cfm</th>
<th>Efficiency cfm/Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>591</td>
<td>24600</td>
<td>25.1</td>
</tr>
<tr>
<td>0.05</td>
<td>589</td>
<td>23100</td>
<td>22.4</td>
</tr>
<tr>
<td>0.10</td>
<td>587</td>
<td>21300</td>
<td>19.5</td>
</tr>
<tr>
<td>0.15</td>
<td>586</td>
<td>19500</td>
<td>17.4</td>
</tr>
<tr>
<td>0.20</td>
<td>586</td>
<td>16900</td>
<td>14.6</td>
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<tr>
<td>0.25</td>
<td>584</td>
<td>12200</td>
<td>10.3</td>
</tr>
<tr>
<td>0.30</td>
<td>582</td>
<td>6100</td>
<td>4.9</td>
</tr>
</tbody>
</table>

Fan description:
- 48" belt drive, 1 hp Magnetek 8-182505 motor, fiberglass housing, plastic shutter, guard and discharge cone