Project Number: 98008p

Fan
Make: Pro-Terra
Model #: A40452-1822
Manufacturer: CTB Inc.
Blade Size: 18"
Orifice Dia.: 18.3"

Blade
Number: 4
Shape: propeller
Material: aluminum
Pitch: -
Clearance: 0.2"

Shutter
Material: plastic
# of Doors: 6
# of Columns: 1
Door Length: 19.9"
Location: intake

Other Attachments:
Discharge cone 23.5" deep, 25.5" o.d., 18.3"i.d.

Test Date: January 13, 1998

Motor
Make: GE
Model #: C605AS
H.P.: ‘1/4
Amps: 1.50
Volts: 230
RPM: 1625
S.F.: -

Drive
Drive Pulley Dia.: direct drive
Axle Pulley Dia.: -

Housing
Material: fiberglass
Intake Area: 21.5"x21.5"
Discharge Area: 18.3" o.d.
Depth: 18"top
17" botto,

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

**PRO-TERRA A40452-1822**

Test: 98008p

<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>1653</td>
<td>4,180</td>
<td>15.2</td>
</tr>
<tr>
<td>0.05</td>
<td>1642</td>
<td>4,010</td>
<td>14.1</td>
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<tr>
<td>0.10</td>
<td>1633</td>
<td>3,870</td>
<td>13.0</td>
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<tr>
<td>0.15</td>
<td>1626</td>
<td>3,670</td>
<td>12.0</td>
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<tr>
<td>0.20</td>
<td>1618</td>
<td>3,500</td>
<td>11.3</td>
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<tr>
<td>0.25</td>
<td>1609</td>
<td>3,300</td>
<td>10.2</td>
</tr>
<tr>
<td>0.30</td>
<td>1601</td>
<td>3,030</td>
<td>9.3</td>
</tr>
</tbody>
</table>

Fan description:

18" direct drive, 1/4 hp GE C605AS
motor, fiberglass housing, plastic shutter,
guard and discharge cone