Electric Fans Are Ideal For Supplemental Or Add-On Cooling Needs

Rapid-Cool® / Thin-Line Electric Fans

Available in 4 sizes, Rapid-Cool® / Thin-Line Electric Fans can be used for either primary or add-on cooling. Each fan comes complete with mounting hardware for simple installation and offers the following features:

- **Features**
  - Reversible Push/Pull operation
  - Quiet, high flow “S” blade design
  - High quality, long life motors
  - Full finger guard shroud
  - Thin, aerodynamic profile for applications with limited space
  - Compatible with all Hayden fan controllers

### Electric Fan Specification Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>DIAMETER</th>
<th>MOUNT AREA</th>
<th>B (IN.)</th>
<th>C (IN.)</th>
<th>CFM</th>
<th>CFM²</th>
<th>AMP DRAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>3670</td>
<td>10</td>
<td>10-7/8 x 11-3/8</td>
<td>1-5/8</td>
<td>2-5/8</td>
<td>650</td>
<td>500</td>
<td>5.4</td>
</tr>
<tr>
<td>3680</td>
<td>12</td>
<td>11-7/8 x 12-1/2</td>
<td>1-3/4</td>
<td>2-3/4</td>
<td>800</td>
<td>675</td>
<td>8.8</td>
</tr>
<tr>
<td>3690</td>
<td>14</td>
<td>13-7/8 x 14-3/4</td>
<td>1-3/4</td>
<td>3-5/8</td>
<td>1250</td>
<td>1050</td>
<td>11.5</td>
</tr>
<tr>
<td>3700</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4-1/4</td>
<td>1400</td>
<td>1150</td>
<td>16.5</td>
</tr>
<tr>
<td>3701</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4</td>
<td>1400</td>
<td>1150</td>
<td>18</td>
</tr>
<tr>
<td>3710</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4-1/4</td>
<td>1500</td>
<td>1300</td>
<td>20.4</td>
</tr>
</tbody>
</table>

1 Cubic feet per minute free airflow. 2 Cubic feet per minute airflow across a typical radiator.

Super Duty Fans

Our Super Duty fans are designed to provide outstanding cooling as well as complement other high performance cooling accessories. Available with red, yellow or black shrouds, Super Duty fans come complete with mounting hardware and feature the following:

- **Features**
  - Motor covers
  - Quiet, high flow “S” blade design
  - Reversible push/pull operation
  - Powerful hi-output DC motor
  - Full finger guard shroud
  - Compatible with all Hayden fan controllers

### Electric Fan Specification Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>COLOR</th>
<th>DIAMETER</th>
<th>MOUNT AREA</th>
<th>B (IN.)</th>
<th>C (IN.)</th>
<th>CFM</th>
<th>CFM²</th>
<th>AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3711</td>
<td>BLACK</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4-1/2</td>
<td>1,500</td>
<td>1,300</td>
<td>17</td>
</tr>
<tr>
<td>3712</td>
<td>RED</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4-1/2</td>
<td>1,500</td>
<td>1,300</td>
<td>17</td>
</tr>
<tr>
<td>3713</td>
<td>YELLOW</td>
<td>16</td>
<td>15-3/4 x 16-3/4</td>
<td>2</td>
<td>4-1/2</td>
<td>1,500</td>
<td>1,300</td>
<td>17</td>
</tr>
</tbody>
</table>

1 Cubic feet per minute free airflow. 2 Cubic feet per minute airflow across a typical radiator.
Dual Electric Fan Assembly

12V Dual Electric Fan Kit contains two twelve inch Rapid-Cool®/Thin-Line fans on an adjustable bracket. Ideal for supplemental cooling applications on larger vehicles including G.M. and Ford powered class “A” motorhomes.

**FEATURES**
- Reversible push/pull operation
- Quiet, high flow “S” blade design
- High quality, long life motors
- Full finger guard shroud
- Thin, aerodynamic profile for applications with limited space
- Compatible with all Hayden fan controllers (fan operation can be staggered using 3654 controller)

Dual Electric Fan Specification Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>A</th>
<th>B</th>
<th>FREE AIRFLOW</th>
<th>RPM</th>
<th>AMP DRAW</th>
</tr>
</thead>
</table>

* Adjustable Mounting Bracket

**Electric Fan Installation Guide**

**TO USE AS A PRIMARY COOLING FAN**

1. Refer to application section to determine the recommended fan(s) for your specific engine.
2. Using the specification chart, verify that the recommended fan(s) will fit in the available space on your radiator/AC condenser core, allow 1” clearance between the nearest engine/vehicle component.
3. Use either an adjustable or preset fan controller to operate up to two fans. A toggle switch (not supplied) can also be used. CAUTION: Do not use fans smaller than those recommended, cooling problems may occur.

**TO USE AS AN ADD-ON COOLING FAN**

1. Measure the available space on the radiator/condenser where the fan is to be mounted. Allow at least 1” of clearance between the nearest engine/vehicle component.
2. Refer to the specification chart and determine the largest fan that will fit in the available space.
3. Use either an adjustable or preset fan controller to operate up to two fans. A toggle switch (not supplied) may also be used.
Ultra-Cool® High Performance Fans

Ultra-Cool® fans offer the highest airflow outputs in a very low profile. Under 3” thick, they fit a wide variety of primary and supplementary cooling applications including cars, trucks, SUVs and custom vehicles. The unique design allows the fans to be installed as either a pusher or a puller without having to reverse the blade or wiring. A powerful 130/270 watt two-speed motor provides high airflow even with thick or dense radiators.

**FEATURES**

- AVAILABLE IN 12”, 14” AND 17” SIZES
- ULTRA-LOW PROFILE (2.6”)
- TWO-SPEED 130/270 WATT MOTOR
- ONE ASSEMBLY FOR PUSHER OR PULLER MOUNTING
- FULL FINGER GUARD SHROUD
- COMPATIBLE WITH 3654 2-SPEED / 2-FAN CONTROLLER

### Ultra-Cool® Specification Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>FAN/SPEED</th>
<th>A (IN.)</th>
<th>B (IN.)</th>
<th>C DIA. (IN.)</th>
<th>CFM Low</th>
<th>CFM High</th>
<th>AMPS Low</th>
<th>AMPS High</th>
</tr>
</thead>
<tbody>
<tr>
<td>3812</td>
<td>Low</td>
<td>2.6</td>
<td>11.6</td>
<td>12.8</td>
<td>1,250</td>
<td>1,100</td>
<td>17.5</td>
<td>21.5</td>
</tr>
<tr>
<td></td>
<td>High</td>
<td>2.6</td>
<td>13.3</td>
<td>14.5</td>
<td>1,300</td>
<td>1,075</td>
<td>13.8</td>
<td>23.0</td>
</tr>
<tr>
<td>3814</td>
<td>Low</td>
<td>2.6</td>
<td>15.7</td>
<td>16.9</td>
<td>1,725</td>
<td>1,500</td>
<td>17.0</td>
<td>23.5</td>
</tr>
<tr>
<td></td>
<td>High</td>
<td>2.6</td>
<td>15.7</td>
<td>16.9</td>
<td>2,100</td>
<td>1,800</td>
<td>23.5</td>
<td></td>
</tr>
</tbody>
</table>

1 Cubic feet per minute free airflow. 2 Cubic feet per minute airflow across a typical radiator.

Five Mounting Hardware Options Included:

- Angle Bracket Mounts
- Radiator Frame Rail Mounting
- Angle Bracket Mount with Extender
- Radiator Frame Rail Mount with Extender
- Through Radiator Mounting

### 3654 Fan Controller

- 2-SPEED / 2-FAN CONTROLLER
- FOR USE WITH ULTRA-COOL® HIGH PERFORMANCE FANS
- ADJUSTABLE FROM 160°F – 210°F
- PROBE INSTalls INTO RADIATOR FINS

Each kit includes components above.
Electric Fan Controllers

Available in 5 different kits, these fan controllers are compatible with our fans and original equipment fans. Four of these kits have adjustable temperature ranges while the fifth has a fixed operating range. The 3654 2-speed / 2-fan controller is designed for use with our Ultra-Cool® 2-speed fans, but also can be used to stagger operation of two single speed fans. See table for complete operation specifications on each fan controller kit.

### Electric Fan Controllers Chart

<table>
<thead>
<tr>
<th>PART #</th>
<th>TYPE</th>
<th>TEMPERATURE RANGE °F</th>
<th>TEMPERATURE SETTING °F</th>
<th>PROBE TYPE</th>
<th>PROBE SIZE</th>
<th>A/C OVERRIDE</th>
<th>HYSTERESIS °F</th>
<th>LOAD CAPACITY</th>
<th>WIRE CONFIGURATION FOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3647</td>
<td>ADJUSTABLE</td>
<td>160–210 °F</td>
<td>160 °F</td>
<td>PUSH-IN</td>
<td>3/16&quot; X 2&quot;</td>
<td>YES</td>
<td>10 °F</td>
<td>30 AMPS</td>
<td>TWO SINGLE FANS</td>
</tr>
<tr>
<td>3651</td>
<td>ADJUSTABLE</td>
<td>160–210 °F</td>
<td>160 °F</td>
<td>THREAD-IN</td>
<td>3/8&quot; MPT</td>
<td>YES</td>
<td>10 °F</td>
<td>30 AMPS</td>
<td>TWO SINGLE FANS</td>
</tr>
<tr>
<td>3652</td>
<td>PRE-SET</td>
<td>N/A</td>
<td>185 °F</td>
<td>PUSH-IN</td>
<td>3/16&quot; X 3&quot;</td>
<td>YES</td>
<td>15 °F</td>
<td>30 AMPS</td>
<td>TWO SINGLE FANS</td>
</tr>
<tr>
<td>3653</td>
<td>ADJUSTABLE</td>
<td>132–248 °F</td>
<td>160 °F</td>
<td>PUSH-IN</td>
<td>1/4&quot; X 3&quot;</td>
<td>NO</td>
<td>15 °F</td>
<td>16 AMPS</td>
<td>N/A</td>
</tr>
<tr>
<td>3654</td>
<td>ADJUSTABLE</td>
<td>160–210 °F</td>
<td>160 °F</td>
<td>PUSH-IN</td>
<td>3/16&quot; X 2&quot;</td>
<td>YES</td>
<td>10 °F</td>
<td>50 AMPS</td>
<td>FOUR SINGLE OR TWO DUAL SPEED FANS (1)</td>
</tr>
</tbody>
</table>

(1) Fan Controller 3654 allows setting of the low speed temperature between 160–210 °F. The high speed is preset 10 °F above the low speed activation temperature.