Now Featuring Rugged Ball Bearing Construction
*see inside for details

TopTech
comfort | excellence

FRACTIONAL HORSEPOWER MOTORS

Built In Carry Handle
Technical Specifications

Bearing

Amps Speed Capacitor Bearing Size “A”

Total

(1) HP

(2) HP

(3) HP

(4) HP

(5) HP

Size “A”

Total weight

Part Number | Voltage | Speed | Capacitor | Bearing | Size “A” | Total weight
---|---|---|---|---|---|---
TT-E25-3SP1 | 1/4hp | 115V 60HZ | 4.60 | 1075/3 | 5uF/370V | SLEEVE | 4.213" | 10
TT-E25-3SP2 | 1/4hp | 208/230V 60HZ | 2.20 | 1075/3 | 5uF/370V | SLEEVE | 4.213" | 12
TT-E33-3SP1 | 1/3hp | 115V 60HZ | 6.70 | 1075/3 | 5uF/370V | SLEEVE | 4.49" | 12
TT-E33-3SP2 | 1/3hp | 208/230V 60HZ | 3.90 | 1075/3 | 5uF/370V | SLEEVE | 4.49" | 12
TT-E40-3SP1 | 1/2hp | 115V 60HZ | 10.20 | 1075/3 | 5uF/370V | SLEEVE | 5.472" | 16.28
TT-E40-3SP2 | 1/2hp | 208/230V 60HZ | 5.00 | 1075/3 | 5uF/370V | SLEEVE | 5.472" | 16.28
TT-E50-3SP1 | 1/2hp | 115V 60HZ | 13.90 | 1075/3 | 15uF/370V | SLEEVE | 5.472" | 19.36
TT-E50-3SP2 | 1/2hp | 208/230V 60HZ | 7.40 | 1075/3 | 15uF/370V | SLEEVE | 5.472" | 19.36
TT-E75-3SP1 | 1 HP | 115V 60HZ | 20.40 | 1075/3 | 20uF/370V | BALL | 6.122" | 22
TT-E75-3SP2 | 1 HP | 208/230V 60HZ | 10.70 | 1075/3 | 20uF/370V | BALL | 6.122" | 22
TT-C16-1SP2 | 1/6hp | 208/230V 60HZ | 1.30 | 1075/1 | 5uF/370V | SLEEVE | 4.25" | 9.46
TT-C25-1SP2 | 1/4hp | 208/230V 60HZ | 2.20 | 1075/1 | 5uF/370V | SLEEVE | 4.25" | 12
TT-C33-1SP2 | 1/3hp | 208/230V 60HZ | 2.80 | 1075/1 | 7.5uF/370V | SLEEVE | 4.25" | 12
TT-C50-1SP2 | 1/2hp | 208/230V 60HZ | 4.20 | 1075/1 | 10uF/370V | SLEEVE | 4.25" | 12
TT-C75-1SP2 | 3/4hp | 208/230V 60HZ | 4.50 | 1075/1 | 10uF/370V | SLEEVE | 4.25" | 12
TT-C16-3SP2 | 1/6hp | 208/230V 60HZ | 1.30 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C25-3SP2 | 1/4hp | 208/230V 60HZ | 2.20 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C33-3SP2 | 1/3hp | 208/230V 60HZ | 2.80 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C50-3SP2 | 1/2hp | 208/230V 60HZ | 4.20 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C75-3SP2 | 3/4hp | 208/230V 60HZ | 4.50 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C16-3SP1 | 1/6hp | 115V 60HZ | 10.20 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C25-3SP1 | 1/4hp | 115V 60HZ | 16.00 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C33-3SP1 | 1/3hp | 115V 60HZ | 20.00 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C50-3SP1 | 1/2hp | 115V 60HZ | 30.00 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92
TT-C75-3SP1 | 3/4hp | 115V 60HZ | 35.00 | 1075/3 | 5uF/370V | SLEEVE | 5.708" | 18.92

Features and Benefits

Bright, colorful, easy to read packaging removes confusion about motors and stock of motors on the shelf. The application, voltage, and horsepower of a motor are visible at a glance.

A unique styrofoam cradle inside the carton supports and protects the motor shaft, and mounting bolts during shipment.

For your convenience, TopTech provides a complete manufacturer cross-reference on the side of every motor carton.

The motor carton has been designed with an innovative handle to make the motors much easier to carry.

The appropriate size 370 VAC run capacitor is noted on every motor carton.

An extra-large wiring diagram supplied on the motor carton, as well as in the installation and safety instruction sheet, is highly visible and very easy to read.

Informative product label contains the motor model number in large type. The UPC is also printed on every motor label.

Extended mounting bolts provide for easier installation in cramped spaces. With the longer bolts, the installer is able to more easily start the threaded mounting nut.

TopTech motor wires are thirty inches long. The added length makes it easier for the contractor to install the new motor.

Partial stripping leaves the insulation on the motor connection wire. This protects the stranded copper wire and prevents damage to individual strands.

The electrical reversing plug simplifies rotation direction changes.

Run capacitor connections are insulated for increased safety. Flag disconnects on condenser fan motors and inline disconnects on direct drive furnace blowers are provided.

Allows the contractor and distributor to consolidate multiple part codes into a single stocking unit. Carry one motor that can replace a wide variety of OEM and other replacement motors, saving time and money.

All TopTech motors are warranted to be free of defects in workmanship and materials for 12 months from the date of sale from the distributor to the contractor, or 18 months from the date of Manufacture, whichever comes first.
## Technical Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>HP</th>
<th>Voltage</th>
<th>Speed</th>
<th>Capacitor 370V or 440V</th>
<th>Bearing</th>
<th>Size &quot;A&quot;</th>
<th>Total weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT-E50-MSP2</td>
<td>208/230V 60Hz</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>10uF</td>
<td>BALL</td>
<td>1/2 - 3.9</td>
<td>1/3 - 3.6</td>
<td>1/4 - 2.5</td>
</tr>
<tr>
<td>TT-E50-MSP1</td>
<td>115V 60HZ</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>10uF</td>
<td>BALL</td>
<td>1/2 - 7.0</td>
<td>1/3 - 6.7</td>
<td>1/4 - 4.4</td>
</tr>
<tr>
<td>TT-E75-MSP2</td>
<td>208/230V 60Hz</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>10(20)uF</td>
<td>BALL</td>
<td>3/4 - 3.8</td>
<td>3/4 - 3.7</td>
<td>1/3 - 2.5</td>
</tr>
<tr>
<td>TT-E75-MSP1</td>
<td>115V 60HZ</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>10(20)uF</td>
<td>BALL</td>
<td>3/4 - 3.8</td>
<td>3/4 - 3.7</td>
<td>1/3 - 2.5</td>
</tr>
<tr>
<td>TT-G33-1SP2</td>
<td>208/230V 60Hz</td>
<td>1/2</td>
<td>1075</td>
<td>12.5/10uF</td>
<td>BALL</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G50-1SP1</td>
<td>115V 60HZ</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>15uF</td>
<td>SLEEVE</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G75-1SP1</td>
<td>3/4HP 115V 60HZ</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>15uF</td>
<td>SLEEVE</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G10-1SP2</td>
<td>1HP 115V 60HZ</td>
<td>1/2</td>
<td>1075/950/950/750</td>
<td>20uF</td>
<td>BALL</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G16-1SP2</td>
<td>1/6HP 208/230V 60Hz</td>
<td>1/2</td>
<td>1075</td>
<td>5uF</td>
<td>&quot;BALL&quot;</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
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<td>&quot;BALL&quot;</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G10-3SP1</td>
<td>1/6HP 208/230V 60Hz</td>
<td>1/2</td>
<td>1075</td>
<td>10uF</td>
<td>&quot;BALL&quot;</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
<tr>
<td>TT-G16-3SP2</td>
<td>1HP 208/230V 60Hz</td>
<td>1/2</td>
<td>1075</td>
<td>15uF</td>
<td>&quot;BALL&quot;</td>
<td>1/2 - 3.0</td>
<td>1/3 - 2.5</td>
<td>1/4 - 2.0</td>
</tr>
</tbody>
</table>

*Motors manufactured before July 2010 contain sleeve bearing design. Please see bottom of motor packaging for notation of ball bearing design and date code.
**Why Sell TopTech Motors**

TopTech motors are 100% functionally tested during manufacturing and then retested after final assembly for everything from input power to Hi-Pot and continuity testing.

TopTech motors require compliance verification of incoming raw materials for dimensional, mechanical, and specifications identified in the drawing and quality procedure.

TopTech furnace blower motors are rated for higher ambient temperatures so they can be used in more applications and in more regions.

**Cross Reference Guidelines**

- Horsepower must be within +/- 10% of OEM
- Replacement motor voltage must match OEM exactly
- Minimum current rating should equal OEM maximum and should not exceed +10%
- Speed should be within +/- 10%
- Capacitor value should match value on replacement motor label

**Motor Cross Reference Guide**

TopTech motors are 100% functionally tested during manufacturing and then retested after final assembly for everything from input power to Hi-Pot and continuity testing. TopTech motors are also designed for environments where faster starting and smoother operation are needed to ensure leading-edge technology and performance.

**TopTech Models**

- TT-C75-1SP2
- TT-C50-1SP2
- TT-C33-1SP2
- TT-C25-1SP2
- TT-C16-1SP2
- TT-C33-MSP2
- TT-C50-MSP2
- TT-C33-MSP3
- TT-E10-3SP1
- TT-E10-3SP2
- TT-E75-3SP1
- TT-E75-3SP2
- TT-E50-3SP1
- TT-E50-3SP2
- TT-E33-3SP1
- TT-E33-3SP2
- TT-E25-3SP1
- TT-E25-3SP2
- TT-E50-MSP1
- TT-E50-MSP2
- TT-E75-MSP1
- TT-E75-MSP2

**FRACTIONAL HORSEPOWER MOTORS**

**Comfort | Excellence**