Product Information Packet

ECP44202T-4
200HP, 3570RPM, 3PH, 60HZ, 445TS, A44096M, TEF
## Part Detail

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<td>406056007A</td>
<td>GASKET, 440</td>
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<td>406099000A</td>
<td>PLUG - FAN COVER 320-440</td>
<td>1.000 EA</td>
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<td>415000103D</td>
<td>T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT</td>
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<td>415030115A</td>
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<td>418150003A</td>
<td>GREASE FITTING CAP</td>
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<td>418150003A</td>
<td>GREASE FITTING CAP</td>
<td>1.000 EA</td>
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<td>033775004EA</td>
<td>DRSCR #6-1/4 304 S.S.</td>
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<td>034180024HA</td>
<td>KEY 5/8X5/8X3 L</td>
<td>1.000 EA</td>
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<tr>
<td>MG1025N19</td>
<td>WILKO 778.50 BLUE GREEN - 55 GAL DRUMS</td>
<td>0.250 GA</td>
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<td>004824003CBY</td>
<td>WILKO PAINT 060.02 - ACTIVATOR</td>
<td>0.063 GA</td>
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<td>421948051</td>
<td>LABEL, MYLAR</td>
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<td>PK5004A09</td>
<td>BASE 48 X 39-1/4 STACK 2 X 4 RUNNER</td>
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<td>415039027A</td>
<td>GASKET, G28 LEAD THROAT</td>
<td>2.000 EA</td>
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</tbody>
</table>
### Performance Data

#### NEMA Nominal Efficiency = 95.4 PCT.

#### Typical Data

**NEMA 445TS**

- **445TS**: 200 HP
- **P**: 3/60
- **3570 RPM**
- **460 V**: 3PH, 60HZ, 445TS, A44096M, TEF

#### Load Characteristics

<table>
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<tr>
<th>RPM</th>
<th>Torque (%)</th>
<th>Current</th>
<th>Efficiency</th>
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<tr>
<td>1/4</td>
<td>100</td>
<td>21.1</td>
<td>90.0</td>
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<td>3/4</td>
<td>100</td>
<td>22.3</td>
<td>90.4</td>
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<td>7/8</td>
<td>100</td>
<td>23.6</td>
<td>90.1</td>
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<td>9/10</td>
<td>100</td>
<td>24.7</td>
<td>90.0</td>
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#### Performance

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<th>Load</th>
<th>0.115</th>
<th>0.23</th>
<th>0.33</th>
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<td>HP</td>
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<td>257</td>
<td>163</td>
<td>60</td>
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#### Speed and Torque

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<th>RPM</th>
<th>Load Torque</th>
<th>Speed Torque</th>
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<td>95.7</td>
<td>21.1</td>
<td>21.1</td>
</tr>
<tr>
<td>96</td>
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<td>24.7</td>
<td>24.7</td>
</tr>
<tr>
<td>0</td>
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</tbody>
</table>

#### Remarks

- A-C Motor
- Performance Data
- Issue Date: 12/17/10
- By: J.J. Harrison
- Date: 12/17/10

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**Note:**The performance data is typical and may vary with the exact voltage connections available. The efficiency shown for 460 volt is representative of the motor at 460 volt. The performance data is based on tests conducted under standard conditions.
<table>
<thead>
<tr>
<th>FRAME</th>
<th>HP</th>
<th>TYPE</th>
<th>PHASE/HERTZ</th>
<th>RPM</th>
<th>VOLTS</th>
<th>AMPS</th>
<th>DUTY</th>
<th>AMB</th>
<th>C/INSUL</th>
<th>ENCLOSURE</th>
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<tbody>
<tr>
<td></td>
<td>200</td>
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</tbody>
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**A-C MOTOR**

PERFORMANCE CURVES

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**A-C MOTOR**

PERFORMANCE CURVES
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAME G445TS ABOVE NEMA RATINGS
INCLUDES 444TS FRAME MOUNTING Holes

COOLING: FAN COOLED

WEIGHT (LBS): 2149

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

1. GROUND HOLES QTY 1 1/8-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.062
3. VARIES +.000, -.0013
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP
5. MOTOR WEIGHTS MAY VARY BY 1% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
FRAME G445TS ABOVE NEMA RATINGS
COOLING: FAN COOLED

MOUNTING: FOOT
INCLUDES 444TS FRAME MOUNTING HOLES

WEIGHT (KGS): 975

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD
CONNECTED

T1  T2  T3
L1  L2  L3

(N.P. 1575-BA)
Marketing maintained PDF of MN408:

http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408
Marketing maintained PDF of MN416:

http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416