

**TECHNICAL INFORMATION**

1. BEARING LUBRICATION DE: \_\_\_\_\_  
ODE: \_\_\_\_\_
2. BEARING TYPE DE: \_\_\_\_\_  
ODE: \_\_\_\_\_
3. WINDING TEMP. DETECTORS  
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)  
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS  
NUMBER AND TYPE: \_\_\_\_\_
5. SPACE HEATER 1 PHASE  
VOLTS: 120 WATTS: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END  
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: \_\_\_\_\_
8. APPROX. WEIGHT: 9100 Lbs
9. ACCESORIES: \_\_\_\_\_

**DRAWING LIST**

|   |             |     |                   |     |         |
|---|-------------|-----|-------------------|-----|---------|
| <b>MAIN TERMINAL BOX</b><br>130-7532-02 |             |     |                   |     |         |
| <b>AUX TERMINAL BOX FOR</b>             |             |     |                   |     |         |
| SPACE HEATER                            | 130-7520-50 |     |                   |     |         |
| R.T.D.                                  | 130-7522-51 | 1   | JACKING TO INLINE | RWS | 1/3/14  |
| THERMISTOR                              | N/A         |     |                   |     |         |
|   |             | 0   | FIRST ISSUE       | MH  | 8/15/05 |
| PRODUCTION #                            | N/A         | NO. | REVISION          | BY  | DATE    |

**MOTOR OUTLINE FOR  
THREE PHASE INDUCTION MOTOR**

|  |                   |               |              |                                      |                           |                 |
|--|-------------------|---------------|--------------|--------------------------------------|---------------------------|-----------------|
| CUSTOMER NAME  |                   |               |              | P.O. NO.                             | MOTOR TAG NO.             |                 |
| OUTPUT HP  | POLE 4            | VOLTAGE V     | FREQUENCY Hz | FULL LOAD SPEED (min <sup>-1</sup> ) | TOSHIBA MODEL NO.         |                 |
| TYPE   | FORM              | INS. CLASS F  | RATING CONT. | FRAME 5811/12                        | S.F.                      | ENCLOSURE TEAAC |
| TOSHIBA INTERNATIONAL CORPORATION<br>HOUSTON, TEXAS U.S.A. |                   |               |              |                                      |                           |                 |
| 3rd ANGLE PROJ.  | PREPARED BY: M.HO | DATE: 8/15/05 | CHECKED BY:  | DATE:                                | DRAWING NO.: MDSL 0077-12 | REV. 1          |

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 9005TCQL11E-C

|           |     |            |        |        |                |             |          |              |
|-----------|-----|------------|--------|--------|----------------|-------------|----------|--------------|
| HP        | kW  | Pole       | FL RPM | Frame  | Voltage        | Hz          | Phase    | FL Amps      |
| 900       | 671 | 4          | 1780   | 5812US | 4000           | 60          | 3        | 116          |
| Enclosure | IP  | Ins. Class | S.F.   | Duty   | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP11      | 44  | F          | 1.15   | CONT   | 95.4           | -           | F        | 40 C         |

|              |        |       |         |                |                  |
|--------------|--------|-------|---------|----------------|------------------|
| Load         | HP     | kW    | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load    | 900    | 671.1 | 115.5   | 95.6           | 87.8             |
| ¾ Load       | 675.00 | 503.3 | 89.1    | 95.6           | 85.3             |
| ½ Load       | 450.00 | 335.6 | 65.0    | 95.1           | 78.4             |
| ¼ Load       | 225.00 | 167.8 | 45.4    | 92.7           | 57.5             |
| No Load      |        |       | 27.1    |                | 3.8              |
| Locked Rotor |        |       | 664.40  |                | 21.7             |

|                   |                      |                 |                    |                               |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque            |                      |                 |                    | Rotor wk <sup>2</sup>         |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft <sup>2</sup> ) |
| 2656              | 100                  | 105             | 225                | 247.37                        |

|                    |     |                           |             |             |                            |
|--------------------|-----|---------------------------|-------------|-------------|----------------------------|
| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings*   |             | Approx. Motor Weight (lbs) |
| Cold               | Hot |                           | DE          | NDE         |                            |
| 17                 | 7   | -                         | M11-110 INS | M11-110 INS |                            |

\*Bearings are the only recommended spare part(s).

**Motor Options:**  
Product Family:TEFC  
Mounting:Footed,Shaft:US Shaft

|             |  |
|-------------|--|
| Customer    |  |
| Customer PO |  |
| Sales Order |  |
| Project #   |  |

Tag:

All characteristics are average expected values.

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|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | aacosta  | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 4/4/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

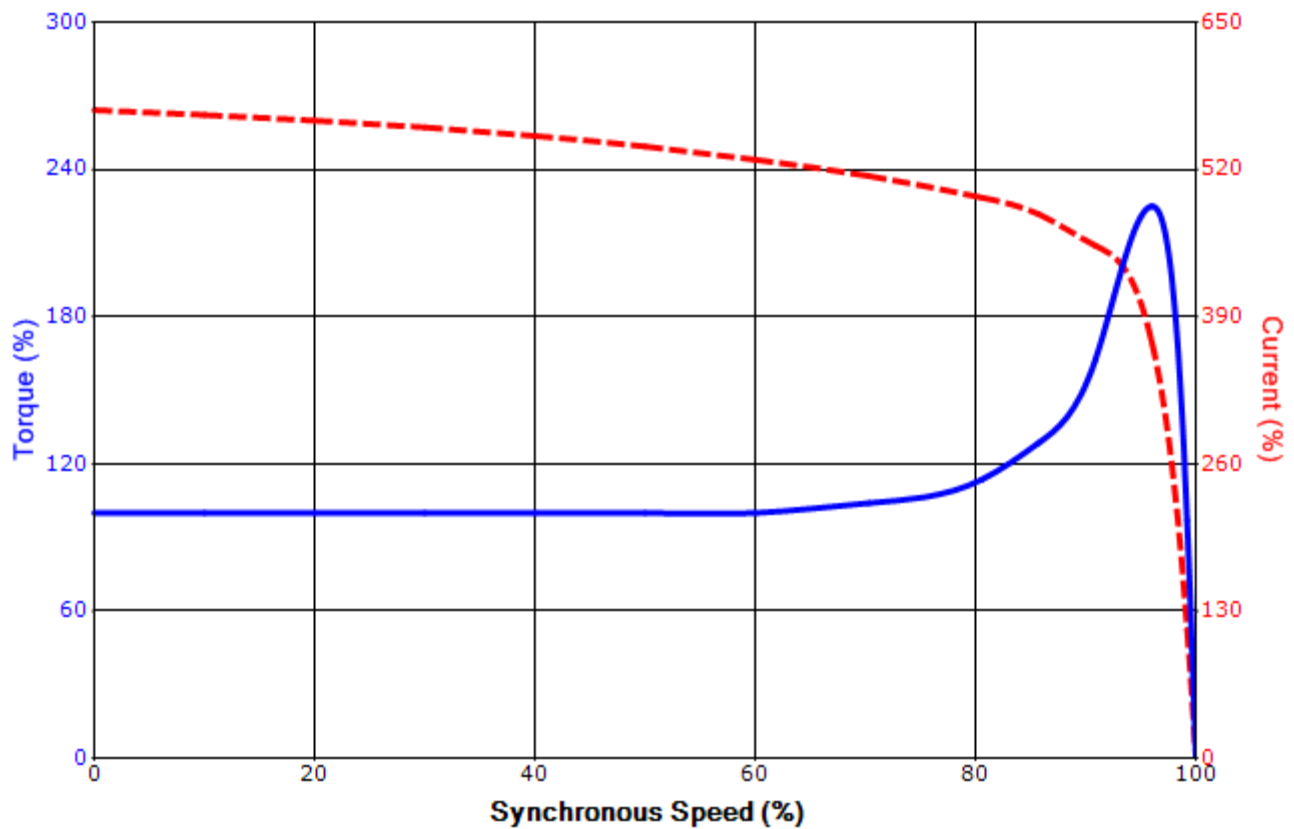
|             |           |            |  |
|-------------|-----------|------------|--|
| Issued Date | 4/23/2015 | Transmit # |  |
| Issued By   | dschoeck  | Issued Rev |  |

**SPEED TORQUE/CURRENT CURVE**

Model: 9005TCQL11E-C

|                   |   |                   |                  |             |                |             |          |                |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP                | kW  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps        |
| 900               | 671   | 4                 | 1780             | 5812US      | 4000           | 60          | 3        | 116            |
| Enclosure         | IP  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C)   |
| WP11              | 44  | F                 | 1.15             | CONT        | 95.4           | -           | F        | 40 C           |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |             |          | Break Down (%) |
|                   |   | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) |                |             |          |                |
| 664.40            | 247.37  | 2656              | 100              | 105         |                |             | 225      |                |

**Design Values**



|             |  |  |     |
|-------------|--|--|-----|
| Customer    |  | wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> ) | -   |
| Customer PO |  | Load Type  | -   |
| Sales Order |  | Voltage (%)  | 100 |
| Project #   |  | Accel. Time  | -   |

Tag:

All characteristics are average expected values.

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|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | aacosta  | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 4/4/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

### Motor Connection Diagram 3 Leads - Wye Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.  
If multiple cables represent a single lead, each one  
of them will be labeled with the appropriate lead number.