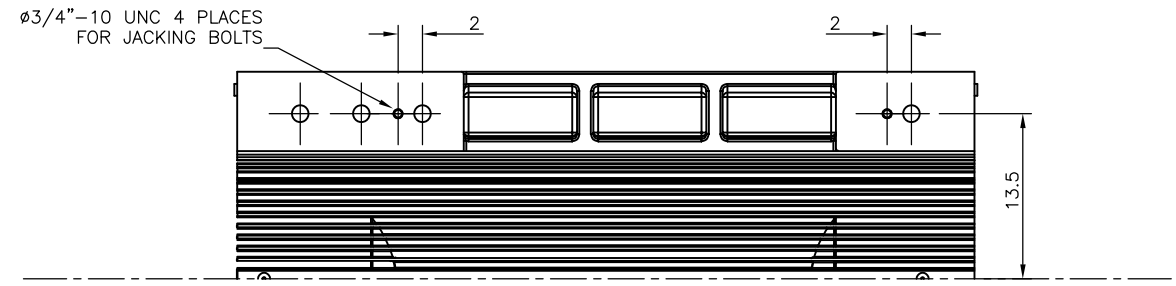
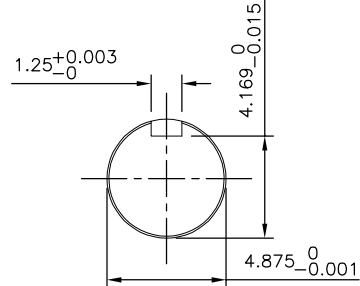


**TECHNICAL INFORMATION**

- 1. BEARING LUBRICATION DE: MOBILE POLIREX EM  
ODE: MOBILE POLIREX EM
- 2. BEARING TYPE DE: 6326C3  
ODE: 6326C3 INS
- 3. WINDING TEMP. DETECTORS  
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)  
LOCATION: IN STATOR SLOT
- 4. BEARING TEMP. DETECTORS  
NUMBER AND TYPE: N/A
- 5. SPACE HEATER 1 PHASE  
VOLTS: 120 WATTS: 720
- 6. ROTATION: CCW VIEWED FROM NON DRIVE END  
THIS MOTOR IS BI DIRECTIONAL
- 7. MOTOR PAINT COLOR: GRAY
- 8. APPROX. WEIGHT: 12600 lbs
- 9. ACCESORIES:

**PRELIMINARY  
FOR QUOTATION ONLY  
DO NOT BUILD  
FROM THIS DRAWING**

TOSHIBA INTERNATIONAL CORPORATION  
RESERVES THE RIGHT TO MAKE TECHNICAL  
IMPROVEMENT AND DATA CHANGES WITHOUT NOTICE



UNITS:IN

**DRAWING LIST**

|                                   |             |
|-----------------------------------|-------------|
| MAIN TERMINAL BOX<br>130P-7550-73 |             |
| AUX TERMINAL BOX FOR              |             |
| SPACE HEATER                      | 130-7520-50 |
| R.T.D.                            | 130-7522-51 |
| THERMISTOR                        | N/A         |
| PRODUCTION #                      | N/A         |

|     |             |    |         |  |  |  |  |  |  |
|-----|-------------|----|---------|--|--|--|--|--|--|
|     |             |    |         |  |  |  |  |  |  |
| 0   | FIRST ISSUE | SJ | 6/20/14 |  |  |  |  |  |  |
| NO. | REVISION    | BY | DATE    |  |  |  |  |  |  |

**MOTOR OUTLINE FOR  
THREE PHASE INDUCTION MOTOR**

|               |      |                 |                 |                                         |                   |                   |  |
|---------------|------|-----------------|-----------------|-----------------------------------------|-------------------|-------------------|--|
| CUSTOMER NAME |      |                 |                 | P.O. NO.                                |                   | MOTOR TAG NO.     |  |
| OUTPUT<br>HP  | POLE | VOLTAGE<br>V    | FREQUENCY<br>Hz | FULL LOAD SPEED<br>(min <sup>-1</sup> ) | TOSHIBA MODEL NO. |                   |  |
| TYPE          | FORM | INS. CLASS<br>F | RATING<br>CONT. | FRAME<br>6811US                         | S.F.              | ENCLOSURE<br>TEFC |  |

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|                 |                           |                  |             |       |                             |           |
|-----------------|---------------------------|------------------|-------------|-------|-----------------------------|-----------|
| 3rd ANGLE PROJ. | PREPARED BY:<br>S Johnson | DATE:<br>6/20/14 | CHECKED BY: | DATE: | DRAWING NO.:<br>MDSL0071-26 | REV.<br>0 |
|-----------------|---------------------------|------------------|-------------|-------|-----------------------------|-----------|

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 8008FTAL11E-C

|           |     |            |        |        |                |             |          |              |
|-----------|-----|------------|--------|--------|----------------|-------------|----------|--------------|
| HP        | kW  | Pole       | FL RPM | Frame  | Voltage        | Hz          | Phase    | FL Amps      |
| 800       | 597 | 8          | 895    | 6811US | 4000           | 60          | 3        | 113          |
| Enclosure | IP  | Ins. Class | S.F.   | Duty   | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 54  | F          | 1.15   | CONT   | 95.8           | -           |          | 40 C         |

|              |        |       |         |                |                  |
|--------------|--------|-------|---------|----------------|------------------|
| Load         | HP     | kW    | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load    | 800.00 | 596.6 | 113     | 95.9           | 79.5             |
| ¾ Load       | 600.00 | 447.4 | 89      | 95.4           | 75.8             |
| ½ Load       | 400.00 | 298.3 | 68      | 94.2           | 67.0             |
| ¼ Load       | 200.00 | 149.1 | 52      | 90.3           | 45.7             |
| No Load      |        |       | 49.7    |                | 2.4              |
| Locked Rotor |        |       | 727     |                | 15.2             |

|                   |                      |                 |                    |                                                     |
|-------------------|----------------------|-----------------|--------------------|-----------------------------------------------------|
| Torque            |                      |                 |                    | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                                                     |
| 4695              | 95                   | 100             | 205                | 1455.10                                             |

|                    |     |                           |           |            |                            |
|--------------------|-----|---------------------------|-----------|------------|----------------------------|
| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |            | Approx. Motor Weight (lbs) |
| Cold               | Hot |                           | DE        | NDE        |                            |
| 70                 | 33  |                           | 6328C3    | 6326C3 INS | 15000                      |

\*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 | bmammen   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 4/23/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

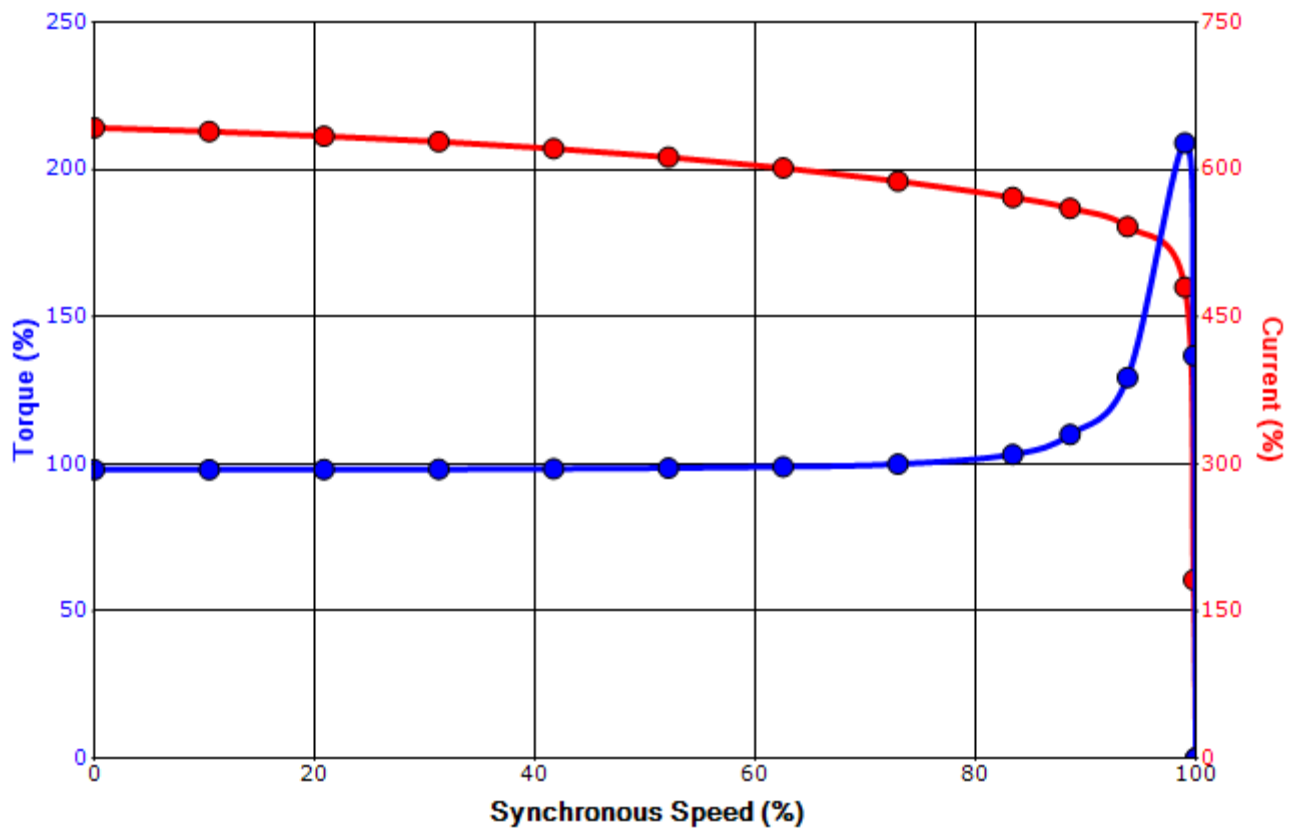
|             |           |            |  |
|-------------|-----------|------------|--|
| Issued Date | 8/11/2023 | Transmit # |  |
| Issued By   | dschoeck  | Issued Rev |  |

**SPEED TORQUE/CURRENT CURVE**

Model: 8008FTAL11E-C

|                   |                                                     |                   |                  |             |                |             |          |              |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|-------------|----------|--------------|
| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps      |
| 800               | 597                                                 | 8                 | 895              | 6811US      | 4000           | 60          | 3        | 113          |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC              | 54                                                  | F                 | 1.15             | CONT        | 95.8           | -           |          | 40 C         |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |             |          |              |
|                   |                                                     | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |             |          |              |
| 727               | 1455.10                                             | 4695              | 95               | 100         | 205            |             |          |              |

**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 | bmammen   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 4/23/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

# Motor Connection Diagram

## 3 Leads - Wye Connection

### Single Voltage



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.