

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
2. BEARING TYPE DE: 6321C3
ODE: 6321C3 (INSULATED)
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: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS BI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 5000 Lbs.
9. ACCESORIES:

DRAWING LIST

| | | | | | |
|--|--------|-----|-------------|-----|--------|
| MAIN TERMINAL BOX 130-7622-55 | | | | | |
| AUX TERMINAL BOX FOR SPACE HEATER 130-7520-50 | | | | | |
| R.T.D. 130-7522-51 | | | | | |
| THERMISTOR - | | 1 | UPDATE | RWS | 1/2/14 |
| PRODUCTION # - | | 0 | FIRST ISSUE | MH | 012904 |
| UNITS: | INCHES | NO. | REVISION | BY | DATE |

**MOTOR OUTLINE FOR
THREE PHASE INDUCTION MOTOR**

| | | | | | | |
|--|----------------------|-----------------|---------------------------|---|-----------------------------|-------------------|
| CUSTOMER NAME | | | | P.O. NO. | MOTOR TAG NO. | |
| OUTPUT HP | POLE | VOLTAGE V | FREQUENCY Hz | FULL LOAD SPEED (min ⁻¹) | TOSHIBA MODEL NO. | |
| TYPE | FORM | INS. CLASS F | RATING CONT. | FRAME 5011/12US | S.F. | ENCLOSURE WP-I |
| TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | |
| 3rd ANGLE PROJ. | PREPARED BY: M.HO | DATE: 012904 | CHECKED BY: D. HENSLEY | DATE: 012904 | DRAWING NO.: MDSL0086-06 | REV. 1 |

TYPICAL MOTOR PERFORMANCE DATA

Model: 6006WPAK11E-C

| | | | | | | | | |
|-----------|-----|------------|--------|--------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 600 | 447 | 6 | 1185 | 5012US | 4000 | 60 | 3 | 78 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-I | 23 | F | 1.15 | CONT | 94.5 | - | G | 40 C |

| | | | | | |
|--------------|--------|-------|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 600 | 447.4 | 77.5 | 94.5 | 88.2 |
| ¾ Load | 450.00 | 335.6 | 60.2 | 94.3 | 85.3 |
| ½ Load | 300.00 | 223.7 | 44.5 | 93.5 | 77.6 |
| ¼ Load | 150.00 | 111.9 | 32.0 | 90.1 | 55.9 |
| No Load | | | 24.3 | | 4.4 |
| Locked Rotor | | | 498.00 | | 23.5 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 2659 | 110 | 115 | 265 | 425.87 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|------------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 40.1 | 23 | - | 6321C3 | 6321C3 INS | |

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

Motor Options:
Product Family:ODP & WP-I
Mounting:Footed,Shaft:US Shaft

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

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

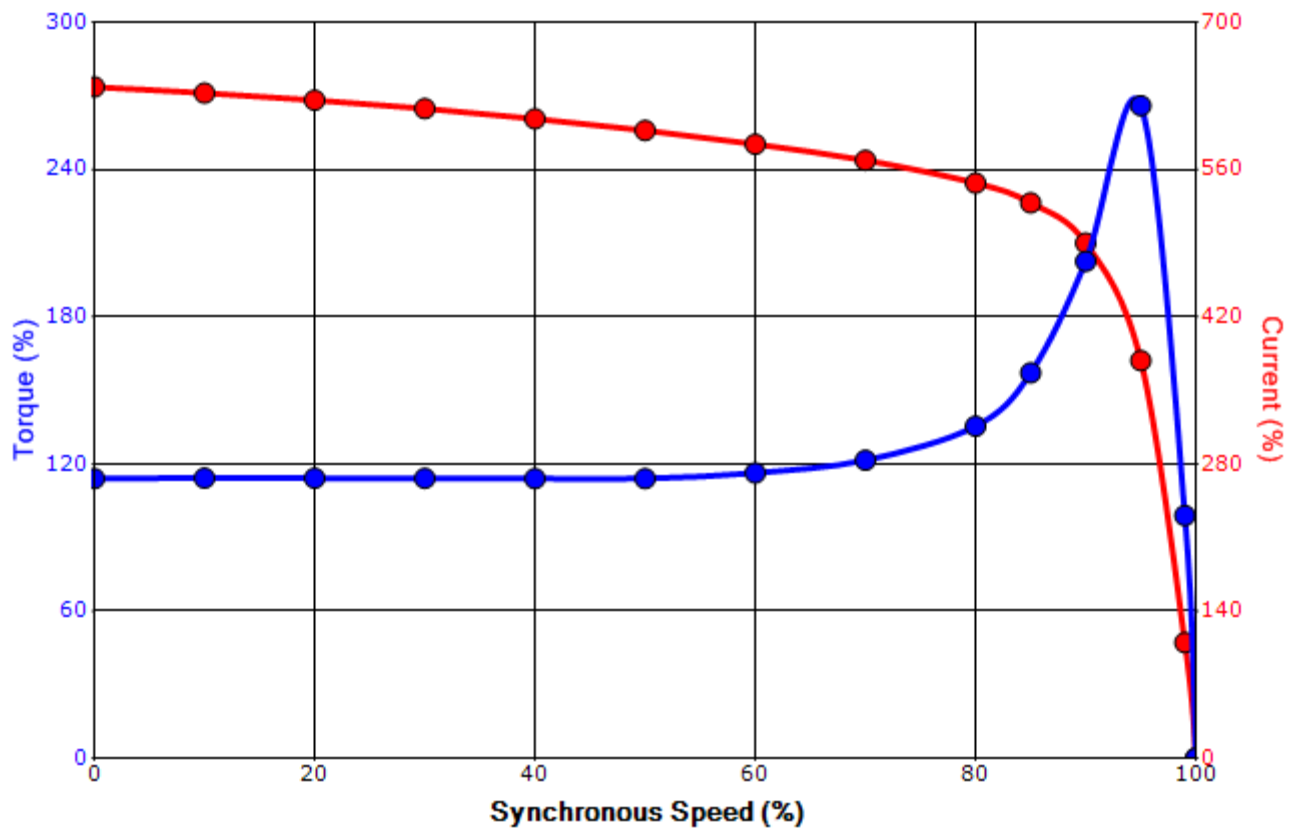
| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 8/28/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 6006WPAK11E-C

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 600 | 447 | 6 | 1185 | 5012US | 4000 | 60 | 3 | 78 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-I | 23 | F | 1.15 | CONT | 94.5 | - | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 498.00 | 425.87 | 2659 | 110 | 115 | | | 265 | |

Design Values



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

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 8/28/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagrams
6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation