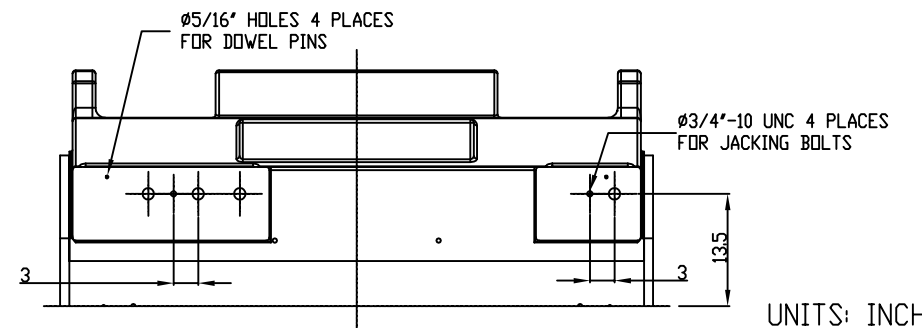
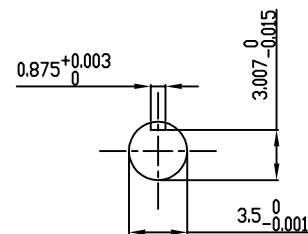


TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: TURBINE OIL ISO VG32
ODE: TURBINE OIL ISO VG32
2. BEARING TYPE DE: M9-90 INS
ODE: M9-90 INS
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: 800
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 12,500 Lbs
9. ACCESORIES:

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



UNITS: INCHES

| DRAWING LIST | | MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR | | | | | | | | | |
|-----------------------------------|-------------|---|-----|----------|--|-------------------------|-------------------|------------------------|---|-----------------------------|--------------------|
| MAIN TERMINAL BOX 130P-7550-68 | 3 | JACKING TO INLINE | RWS | 1/3/14 | CUSTOMER NAME | | P.O. NO. | MOTOR TAG NO. | | | |
| AUX TERMINAL BOX FOR | 2 | UPDATE INLET WINDOW SIZE & MAIN T-BOX P. No., CHG. SPACE HEATER WATTS FROM 400 | JMP | 10/12/11 | OUTPUT HP | POLE 2 | VOLTAGE V | FREQUENCY Hz | FULL LOAD SPEED (min ⁻¹) | TOSHIBA MODEL NO. | |
| SPACE HEATER | 139-0052-01 | 1 ADD PROBE PROV. RINGS & ODE BEARING CAP | JMP | 04/05/11 | TYPE | FORM | INS. CLASS F | RATING CONT. | FRAME 6810USS | S.F. | ENCLOSURE WP-II |
| R.T.D. | 139-0052-04 | | | | TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | |
| THERMISTOR | N/A | 0 FIRST ISSUE | JMP | 05/20/10 | | | | | | | |
| PRODUCTION # | N/A | NO. REVISION | BY | DATE | 3rd ANGLE PROJ. | PREPARED BY: J.PINON | DATE: 05/20/10 | CHECKED BY: B.SIDLE | DATE: 05/20/10 | DRAWING NO.: MDSL0087-65 | REV.: 3 |

TYPICAL MOTOR PERFORMANCE DATA

Model: M503WTQL11F-C

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|------|------------|--------|---------|----------------|-------------|----------|--------------|
| 2500 | 1865 | 2 | 3580 | 6810USS | 4000 | 60 | 3 | 310 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-II | 24 | F | 1.15 | CONT | 95 | - | F | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|---------|--------|---------|----------------|------------------|
| Full Load | 2500 | 1864.3 | 309.2 | 95.7 | 90.9 |
| ¾ Load | 1875.00 | 1398.2 | 232.7 | 95.6 | 90.7 |
| ½ Load | 1250.00 | 932.1 | 160.0 | 94.9 | 88.6 |
| ¼ Load | 625.00 | 466.1 | 93.7 | 92.2 | 77.9 |
| No Load | | | 51.4 | | 9.1 |
| Locked Rotor | | | 1814.50 | | 16.1 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 3668 | 70 | 75 | 180 | 468.81 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|-----------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 19 | 13 | - | M9-90 INS | M9-90 INS | |

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

Motor Options:
Mounting:Footed,Shaft:USS Shaft

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

Tag:

All characteristics are average expected values.

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

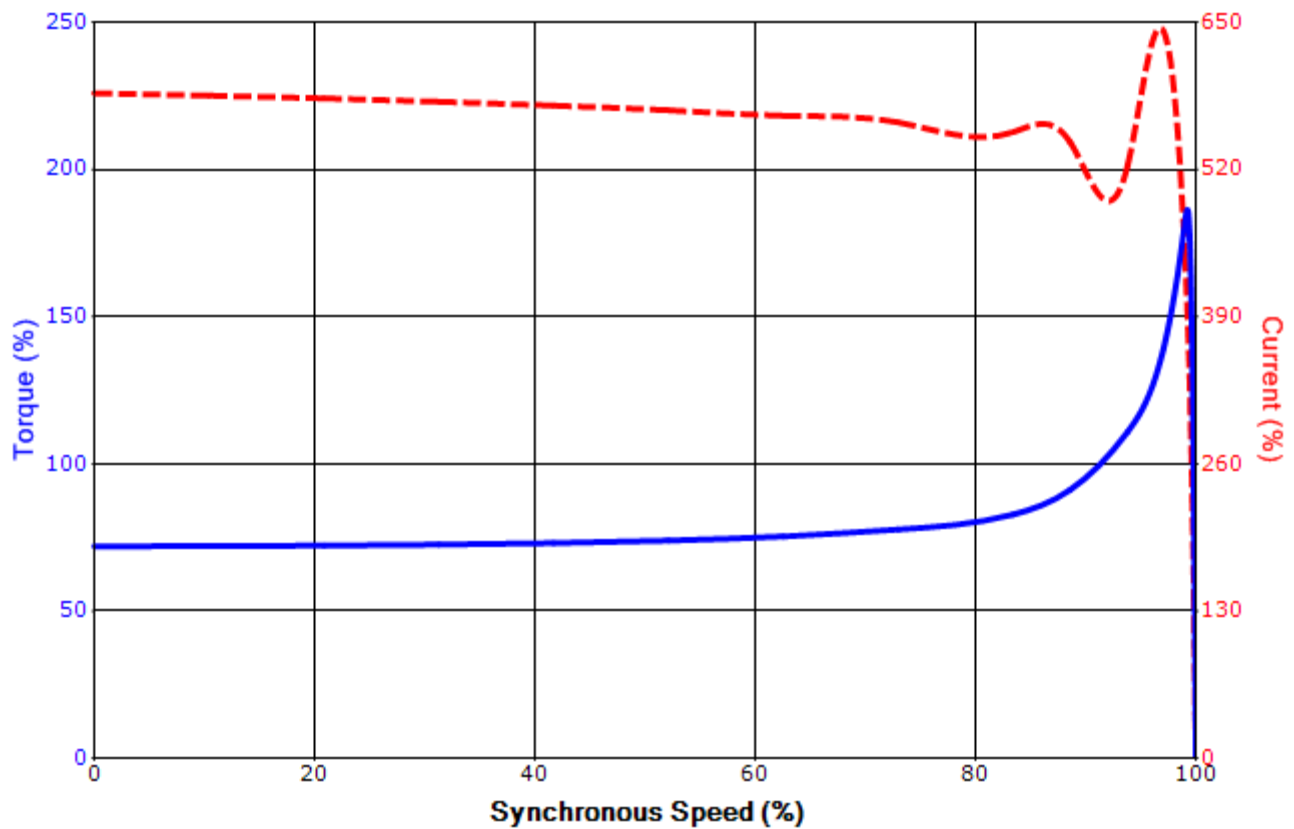
| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | mcampbell | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 2/7/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: M503WTQL11F-C

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 2500 | 1865 | 2 | 3580 | 6810USS | 4000 | 60 | 3 | 310 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-II | 24 | F | 1.15 | CONT | 95 | - | F | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 1814.50 | 468.81 | 3668 | 70 | 75 | | | 180 | |

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 | mcampbell | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 2/7/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |