

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: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: _____
8. APPROX. WEIGHT: 7650 Lbs
9. ACCESORIES: _____

| DRAWING LIST | |
|----------------------------------|-------------|
| MAIN TERMINAL BOX 130-7532-02 | |
| AUX TERMINAL BOX FOR | |
| SPACE HEATER | 130-7520-50 |
| R.T.D. | 130-7522-51 |
| THERMISTOR | N/A |
| PRODUCTION # | N/A |

| | | | |
|-----|---|----|---------|
| 5 | CHANGE AUX BOX DIM FROM 14.6 CHANGE JACKING BOLTS FROM 4 | HL | 3/16/20 |
| 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 | RATING CONT. | FRAME | S.F. | ENCLOSURE |
| | 2 | F | | 5810/11/12 | | WP-II |
| TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | |
| 3rd ANGLE PROJ. | PREPARED BY: | DATE: | CHECKED BY: | DATE: | DRAWING NO.: | REV. |
| | R.WILKINS | 03/25/03 | M. HO | 04/01/03 | MDSL 0087-11 | 5 |

TYPICAL MOTOR PERFORMANCE DATA

Model: 8003WTQL11F-A

| | | | | | | | | |
|-----------|-----|------------|--------|---------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 800 | 597 | 2 | 3555 | 5812USS | 4000 | 60 | 3 | 104 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-II | 24 | F | 1.15 | CONT | 93.8 | - | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load | 800.00 | 596.6 | 103 | 93.8 | 88.6 |
| ¾ Load | 600.00 | 447.4 | 79 | 93.8 | 87.0 |
| ½ Load | 400.00 | 298.3 | 56 | 93.2 | 82.1 |
| ¼ Load | 200.00 | 149.1 | 36 | 90.4 | 64.7 |
| No Load | | | 20.5 | | 7.0 |
| Locked Rotor | | | 509 | | 23.7 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 1183 | 110 | 65 | 215 | 114.85 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|-----------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 10 | 5 | | M9-90 INS | M9-90 INS | 0 |

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

Motor Options:
Product Family:WP-II
Mounting:Footed,Shaft:USS Shaft

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

Tag:

All characteristics are average expected values.

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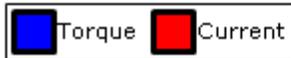
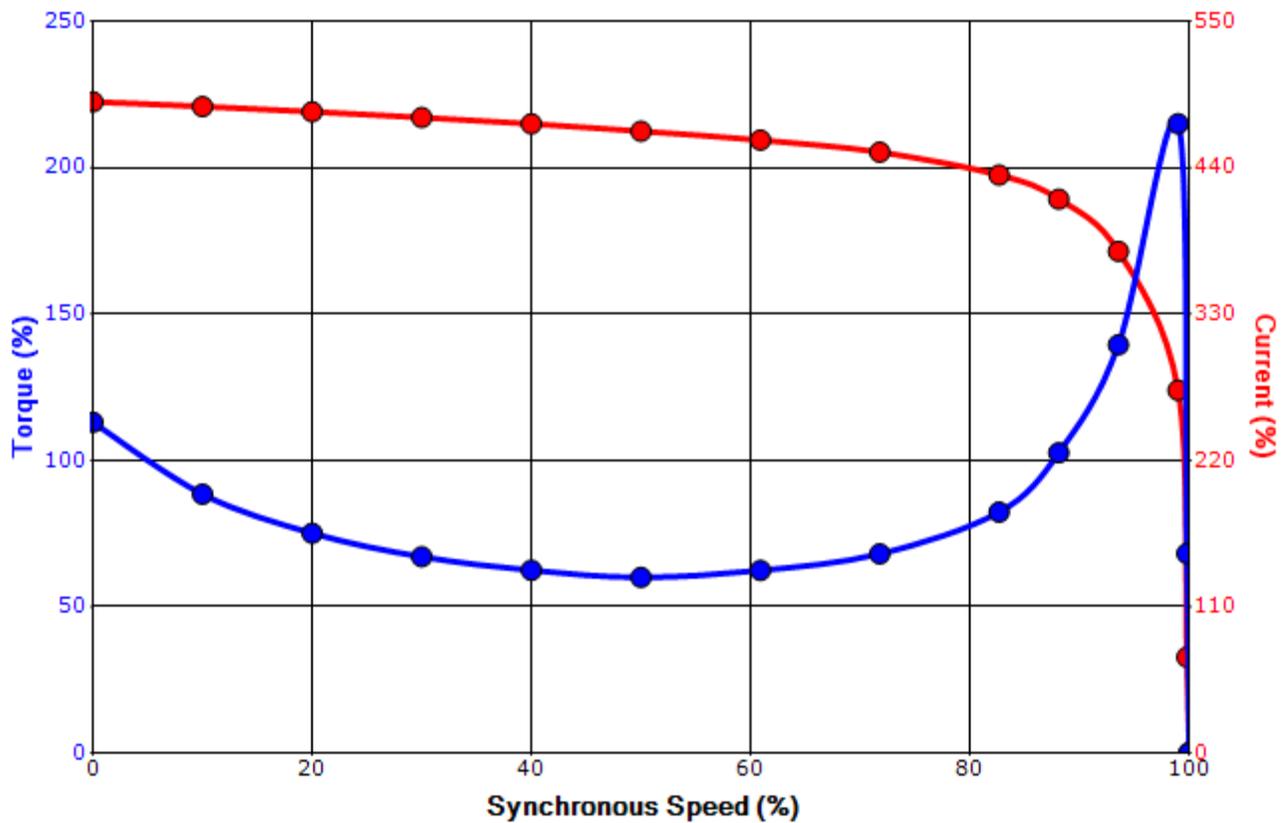
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 7/10/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 8003WTQL11F-A

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 800 | 597 | 2 | 3555 | 5812USS | 4000 | 60 | 3 | 104 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-II | 24 | F | 1.15 | CONT | 93.8 | - | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 509 | 114.85 | 1183 | 110 | 65 | | | 215 | |

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.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 7/10/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |