

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: Mobil Polyrex EM
ODE: Mobil Polyrex EM
- BEARING TYPE DE: 6315C3
ODE: 6315C3 INSULATED
- WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
- SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 400
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: _____
- APPROX. WEIGHT: 7300 Lbs
- ACCESSORIES: _____

DRAWING LIST

| NO. | REVISION | BY | DATE |
|-----|-------------|-----|---------|
| 3 | UPDATE | RWS | 1/2/14 |
| 2 | UPDATE | MH | 8/15/05 |
| 1 | UPDATE | RW | 4/16/03 |
| 0 | FIRST ISSUE | RW | 3/25/03 |
| NO. | REVISION | BY | DATE |

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

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

| CUSTOMER NAME | | | | P.O. NO. | MOTOR TAG NO. | |
|--|---------------------------|-------------------|----------------------|---|-------------------|-------------------|
| OUTPUT HP | POLE 2 | VOLTAGE V | FREQUENCY Hz | FULL LOAD SPEED (min ⁻¹) | TOSHIBA MODEL NO. | |
| TYPE | FORM | INS. CLASS F | RATING CONT. | FRAME 5811/12 | S.F. | ENCLOSURE WP-I |
| TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | |
| 3rd ANGLE PROJ. | PREPARED BY: R.WILKINS | DATE: 03/25/03 | CHECKED BY: M. HO | DATE: 04/01/03 | DRAWING NO.: | REV. 3 |
| | | | | | MDSL 0086-01 | |

TYPICAL MOTOR PERFORMANCE DATA

Model: M303WPAL11F-A

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|------|------------|--------|---------|----------------|-------------|----------|--------------|
| 1500 | 1119 | 2 | 3575 | 5812USS | 4000 | 60 | 3 | 183 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-I | 23 | F | 1.15 | CONT | 96.2 | - | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|---------|--------|---------|----------------|------------------|
| Full Load | 1500.00 | 1118.6 | 183 | 96.2 | 91.6 |
| ¾ Load | 1125.00 | 838.9 | 140 | 96.0 | 89.8 |
| ½ Load | 750.00 | 559.3 | 100 | 95.2 | 84.3 |
| ¼ Load | 375.00 | 279.6 | 66 | 92.3 | 65.8 |
| No Load | | | 46.0 | | 4.4 |
| Locked Rotor | | | 1260 | | 20.0 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|-------------------|----------------------|-----------------|--------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 2204 | 125 | 125 | 330 | 207.60 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|------------|----------------------------|
| Cold | Hot | | DE | NDE | |
| 10 | 2 | - | 6315C3 | 6315C3 INS | 0 |

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

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

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

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmmamen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 7/22/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

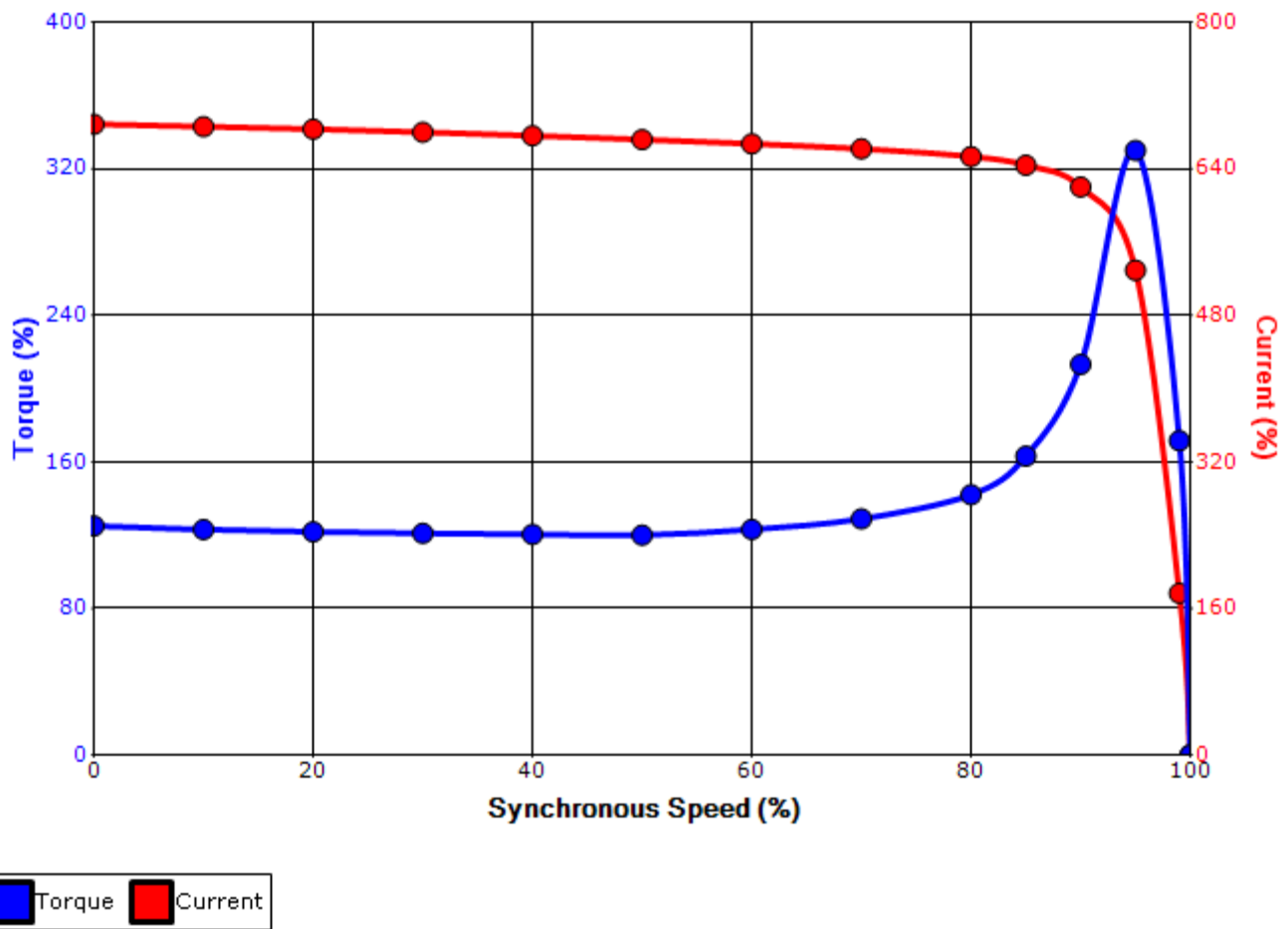
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|-------------|-----------|------------|--|
| Issued Date | 7/19/2021 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

SPEED TORQUE/CURRENT CURVE

Model: M303WPAL11F-A

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1500 | 1119 | 2 | 3575 | 5812USS | 4000 | 60 | 3 | 183 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| WP-I | 23 | F | 1.15 | CONT | 96.2 | - | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 1260 | 207.60 | 2204 | 125 | 125 | | | 330 | |

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 | 7/22/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |