

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: POLYREX EM
ODE: POLYREX EM
2. BEARING TYPE DE: SEE TABLE
ODE: 6318C3
3. WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(PtO°C-100ohm)
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS
NUMBER AND TYPE: N/A
5. SPACE HEATER 1 PHASE
VOLTS: 120V WATTS: 240W
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS BI DIRECTIONAL
7. MOTOR PAINT COLOR: GREEN
8. APPROX. WEIGHT: 4000 Lbs
9. ACCESORIES:

| DRIVE END BEARINGS | | |
|--------------------|--------------------|--------|
| BELT DRIVE APP. | DIRECT COUPLE APP. | |
| LS 4-8P | LS 6-8P | LS 4P |
| NU322C3 | 6322C3 | 6318C3 |

| DRAWING LIST | |
|------------------------------------|--------------|
| MAIN TERMINAL BOX 130P-7622-55W | |
| AUX TERMINAL BOX FOR | |
| SPACE HEATER | 130P-7520-50 |
| R.T.D. | 130P-7522-51 |
| THERMISTOR | - |

| | |
|--------------|--------|
| PRODUCTION # | - |
| UNITS: | INCHES |

| | | | | | | | |
|-----|---|----------|-------------|----|----|------|---------|
| NO. | 0 | REVISION | FIRST ISSUE | BY | ME | DATE | 7/24/19 |
|-----|---|----------|-------------|----|----|------|---------|

| MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR | | | | | | |
|--|----------------------------|------------------|--------------|--------------------------------------|--------------------------|----------------|
| CUSTOMER NAME | | | | P.O. NO. | MOTOR TAG NO. | |
| OUTPUT HP | POLE 4-8 | VOLTAGE 2.3/4k V | FREQUENCY Hz | FULL LOAD SPEED (min ⁻¹) | TOSHIBA MODEL NO. | |
| TYPE | FORM | INS. CLASS F | RATING CONT. | FRAME B447/9T | S.F. | ENCLOSURE TEFC |
| TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | |
| 3rd ANGLE PROJ. | PREPARED BY: M.Easterbrook | DATE: 7/24/19 | CHECKED BY: | DATE: | DRAWING NO.: MDSL0072-43 | REV. 0 |



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|-------------|----------|------------|--|
| Issued Date | 1/6/2020 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

TYPICAL MOTOR PERFORMANCE DATA

Model: 3008XDAK41A-A

| | | | | | | | | |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 300 | 224 | 8 | 900 | B449T | 4000 | 60 | 3 | 48 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 93.6 | - | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load | 300 | 223.7 | 48.3 | 95.1 | 70.3 |
| ¾ Load | 225.00 | 167.8 | 39.4 | 94.5 | 65.0 |
| ½ Load | 150.00 | 111.9 | 31.9 | 92.9 | 54.4 |
| ¼ Load | 75.00 | 55.9 | 26.8 | 87.6 | 34.4 |
| No Load | | | 26.1 | | 2.4 |
| Locked Rotor | | | 263.3 | | 23.2 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 1751 | 130 | 115 | 235 | 230.21 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 4 | 6 | 83 | 6322C3 | 6318C3 | |

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

Motor Options:
Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|------------|------------------|-------------|-------------|---------------|
| Engineering | dschoeck | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 1 |
| Engr. Date | 12/18/2019 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |



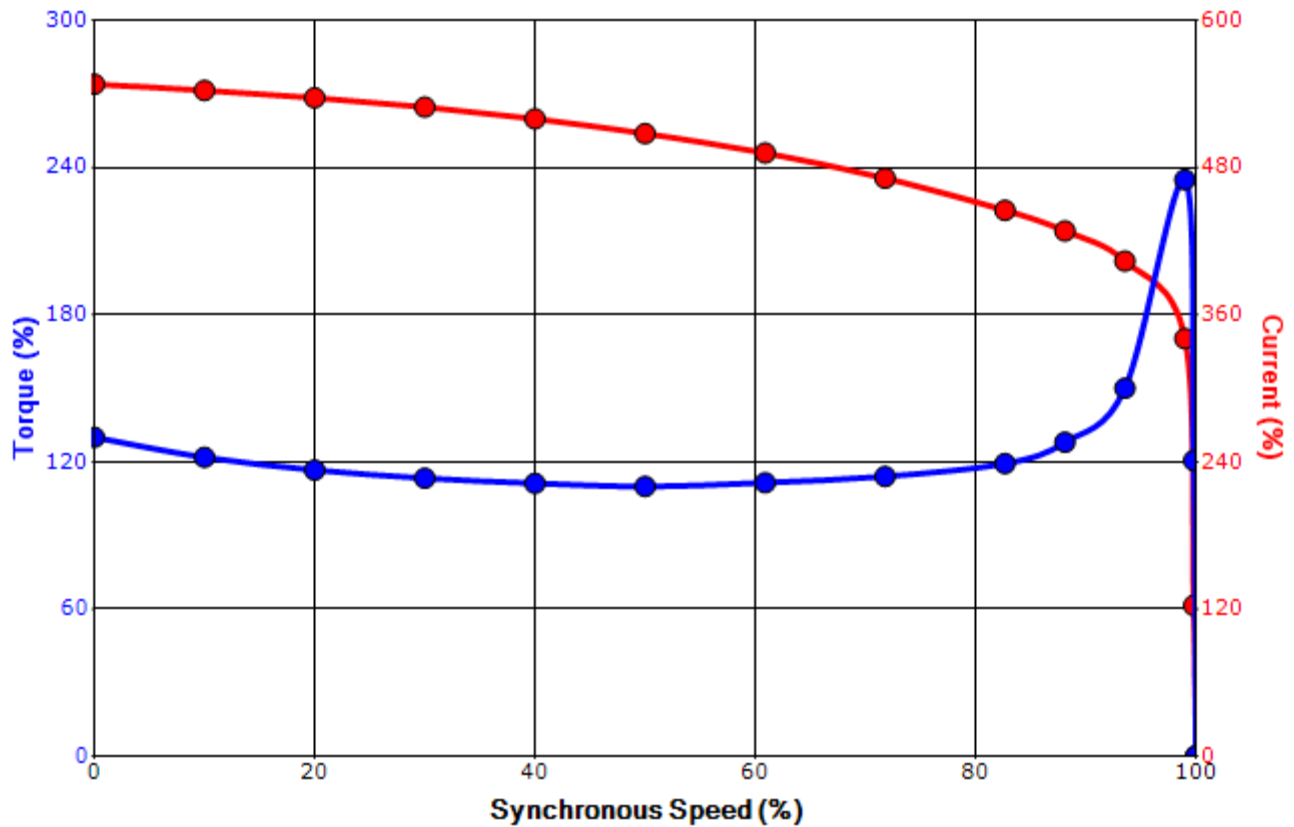
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SPEED TORQUE/CURRENT CURVE

Model: 3008XDAK41A-A

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 300 | 224 | 8 | 900 | B449T | 4000 | 60 | 3 | 48 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 93.6 | - | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) | | | |
| 263.3 | 230.21 | 1751 | 130 | 115 | 235 | | | |

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 | dschoeck | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121/1 |
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Motor Connection Diagrams 6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation