| TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION | OF TECHNICAL DR APPLICATION | CUSTOMER: | NOTOR DIMENSIONS CONDUIT BOX 1.0 SRAME A B C D G J K Motor DIMENSIONS CONDUIT BOX 1.0 SIZE A B C D G J K Motor DIMENSIONS CONDUIT BOX CONDUIT BOX 1.0 SIZE A B CONDUIT MOX CONDUIT BOX 2.1 SIZE CONDUIT MOX ZZE 77.6 14.50 3.3 27.6 3.0.5 3.1 4.00 31.1 2.8 A 1.2 1.1 SIGE MOUNTING KETENSION KEY SEAT BEARINGS Maximum SIGE SIGE LS |
|---|--------------------------------|-----------|--|
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Issued Date

Issued By

6/28/2024

dschoeck

Transmit #

Issued Rev

| TOO 522 4 1789 5810UZ 400 60 3 7PH Enclosure IP Ins. Class S.F. Duty NemA NemA KVA Code Ambinoma TEPC 54 F 1.15 CONT 95.8 - 40.0 oad HP KW Amperes Efficiency (%) Power Factor (%) uil Load 700.00 522.0 794 95.3 86.1 Load 350.00 391.5 613 95.2 84.1 Load 350.00 391.5 613 95.2 60.1 Load 175.00 130.5 305 89.2 60.1 Load 175.00 130.5 305 89.2 60.1 Load 0255 245 155 27.5 336.2 Cold Hot Locked Roro Pull Up Roro Roro Inert 2055 245 155 27.5 336.2 Inert | HP kW Pole FL RPM Frame Voltage Hz Pha | |
|---|--|-------------------|
| Enclosure IP Ins. Class S.F. Dury NEMA Nom. Eff. Design Design IVA Code Amily (C) TEFC 54 F 1.15 CONT 55.8 - 40 add HP KW Amperes Efficiency (%) Power Factor (%) 40 add 700.00 522.0 794 95.9 66.1 40 Load 300.00 281.0 446 93.8 78.2 64.1 Load 350.00 281.0 446 93.8 78.2 60.1 Load 130.5 305 89.2 60.1 0.60 0.0 0.0 6.0 0.0< | 700 522 4 1780 581017 460 60 5 | |
| TEPC 54 F 1.15 CONT 95.8 - 40.0 cad HP KW Amperes Efficiency (%) Power Factor (%) Load 75.0 52.0 794 95.9 86.1 Load 75.0 391.5 613 95.2 84.1 Load 350.00 281.0 446 93.8 78.2 Load 60.1 Load 175.00 130.5 305 89.2 60.1 0.1 dt | Enclosure IP Ins Class S.E. Duty NEMA NEMA KVA (| Code Ambient |
| Dad HP MV Amperes Efficiency (%) Power Factor (%) ull Load 700.00 522.0 794 96.9 86.1 Load 626.00 391.5 613 96.2 84.1 Load 550.00 261.0 446 93.3 78.2 Load 175.00 130.5 305 89.2 60.1 o Load 0.50 5678 31.2 500 6.0 ocked Rotor 56778 31.2 505 275 356.7 2055 245 155 275 356.7 Safe Stall Time(s) Pressure Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120 | Nom. Eff. Design | (³ °) |
| Uil Load 70.00 52.2.0 794 95.9 86.1 Load 55.0 391.5 613 95.2 84.1 Load 350.00 261.0 446 93.8 78.2 Load 175.00 130.5 305 89.2 60.1 o Load 0.10 0.10 6.0 31.2 Deked Rotor Full Load 194.0 6.0 31.2 Full Load Locked Rotor Pull Up Break Down (N+LT) Noter 10-10 (% FLT) (% FLT) (% FLT) (b-ft) 2055 245 155 275 396.2 Safe Stall Time(s) Sound Pressure Approx. Motor Weight 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). Oto Options: 000 Options: 001 Options: <th>TEFC 54 F 1.15 CONT 95.8 -</th> <th>40 C</th> | TEFC 54 F 1.15 CONT 95.8 - | 40 C |
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| Load 350.00 261.0 446 93.8 76.2 Load 175.00 130.5 305 89.2 60.1 Jobed 194.0 6.0 6.0 6.0 Jocked Rotor 5678 31.2 6.0 12 Torque Pull Up Break Down Rotor (b-H) (% FLT) (% FLT) (% FLT) (b-H) (b-H) </td <td>ull Load 700.00 522.0 794 95.9</td> <td>86.1</td> | ull Load 700.00 522.0 794 95.9 | 86.1 |
| Load 175.00 130.5 305 89.2 60.1 0 Load 0 Load 6.0 6.0 6.0 31.2 cked Rotor 5678 31.2 6.0 31.2 6.0 31.2 Full Load Locked Rotor Pull Up Break Down Rotor Inert (b-ti) Core Rotor Inert (b-ti) < | | |
| Dubad 194.0 6.0 Solvet Rotor 31.2 Torque Rotor Full Load Locked Rotor Pull Up Break Down Rotor (b-ft) (% FLT) (% FLT) (% FLT) (b-ft) 2055 245 155 275 356.2 Safe Stall Time(s) Sound Bearings* Approx. Motor Weight Cold Hot dB(A) @ 1M DE NDE (b-s) 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). otor Options: colded About Part PA De NDE Use Part PA Outring Fooled Shaft UZ Shaft 93 93 93 93 | | |
| acked Rotor 5678 31.2 Torque Torque Rotor (lb-tt) (% FLT) (% FLT) (lb-tt) (% FLT) (% FLT) 2055 245 155 275 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weigt (lbs) 12 5 - NU328C3 6320C3 6120 earlings are the only recommended spare part(s). of Options: roduct Family:EQP Global SD lounting:Footed Shaft:UZ Shaft | | |
| Torque Rotor Full Load Locked Rotor (b-ft) (% FLT) (% FLT) (% FLT) 2055 245 155 275 362 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). Oto Options: Torque Flore roduct Flamily.EOP Global SD counting.Footed_Shaft UZ Shaft set of the intervent of the in | | |
| Full Load Locked Rotor Pull Up Break Down Inert. (lb-ft) (% FLT) (% FLT) (% FLT) (lb-ft) 2055 245 155 275 356.7 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weigl 12 5 - NU328C3 6320C3 6120 aarings are the only recommended spare part(s). other of priose: roduct Family:EQP Global SD ounting:Footed,Shaft:UZ Shaft | _ | |
| (Ib-ft) (% FLT) (% FLT) <t< td=""><td></td><td>Rotor wk</td></t<> | | Rotor wk |
| Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (lbs) 12 5 - NU328C3 6320C3 6120 | | |
| Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120 tearings are the only recommended spare part(s). Iotor Options: roduct Family:EOP Global SD founting: Footed. Shaft:UZ Shaft | | |
| Iotor Options: roduct Family:EQP Global SD founting:Footed,Shaft:UZ Shaft ustomer ustomer PO ales Order roject # ales are average expected values. | 12 5 - NU328C3 6320C3 | 6120 |
| ustomer PO | Motor Options: Product Family:EQP Global SD Mounting:Footed,Shaft:UZ Shaft | |
| ales Order roject # ag: I characteristics are average expected values. | Customer DO | |
| roject # ag: I characteristics are average expected values. | | |
| ag: | | |
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| | - - | |
| | characteristics are average expected values. | |
| Engineering zxie Doc. Written By D. Suarez Doc.# / Rev MPCF-111 Engr. Date 4/28/2021 Doc. Approved By M. Campbell Doc. Issued 6/8/20 | I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | |



HP

700

Enclosure TEFC

Locked Rotor

Amps

5678

| | | | | Issued Date Issued By | 6/28/202 dschoed | | Transmit # Issued Rev | |
|-------|-----------------------|------------|-----------|--------------------------|---------------------|----------------|--------------------------|----------------------------|
| | BA | SI | PEED TORQ | UE/CURREN | | | ISSUED REV | |
| odel: | F7004FLF4BMH | 1 | | | | | | |
| | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| | 522 | 4 | 1789 | 5810UZ | 460 | 60 | 3 | 794 |
| e | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| | 54 | F | 1.15 | CONT | 95.8 | - | | 40 C |
| tor | Rotor wk ² | | | | Torque | | | |
| .01 | Inertia | Full Load | Locked | | Pull Up |) | Break | |
| | (lb-ft²) | (lb-ft) | (% | | (%) | | (% | |
| | 356.20 | 2055 | 24 | .5 | 155 | | 27 | 75 |
| 280 | , | | • • | | | | | 40 |
| 21/ | | | | | | | | 40 80 Current (%) 20 |
| 210 | | | | | | | 4 | Current (% |
| 210 | | 20 | 40 | 6 | 0 | 80 | 4 | 20 Current (%) |

Torque Current

| Customer | wk² Loa | nd Inertia (Ib-ft²) - | |
|-------------|---------|-----------------------|--|
| Customer PO | | Load Type - | |
| Sales Order | | Voltage (%) 100 | |
| Project # | | Accel. Time - | |

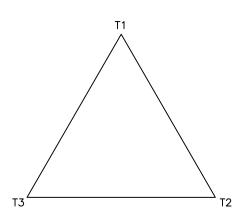
Tag:

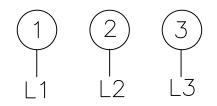
All characteristics are average expected values.

| TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A. | | | | | | | | |
|---|-----------|------------------|-------------|-------------|---------------|--|--|--|
| Engineering | zxie | Doc. Written By | D. Suarez | Doc.#/Rev | MPCF-1121 / 0 | | | |
| Engr. Date | 4/28/2021 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | |

3SVD

Motor Connection Diagram 3 Leads - Delta Connection





Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable. If multiple cables represent a single lead, each one of them will be labeled with the appropriate lead number.



| | Issued Date: | 6/28/202 | 24 | Transmit #: | | | | |
|--------|-------------------|-------------------|----------------|-------------|-----------------|--|--|--|
| | Issued By: | dschoed | :k | Issued Rev: | | | | |
| SPARI | SPARE PARTS LIST* | | | | | | | |
| FL RPM | Frame | Voltage | Hz | Phase | FL Amps | | | |
| 1789 | 5810UZ | 460 | 60 | 3 | 794 | | | |
| S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) | | | |
| 1.15 | CONT | 95.8 | - | | 40 C | | | |

Model: F7004FLF4BMH

kW

522

Pole

1

HP

700

| 700 | 522 | 4 | 1769 | 30100Z | 400 | 00 | 3 | 1 1 |
|----------------------|--------------------|------------|------|--------|-------------------|----------------|----------|---------|
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Am (|
| TEFC | 54 | F | 1.15 | CONT | 95.8 | - | | 4 |
| | 1 | | | | | | | |
| Bearings DE | NU328C3 / 140 | RU03M3OX | | | | | | |
| Bearings NDE | 6320C3 / 100B | C03J3OX | | | | | | |
| *Bearings are the or | ly recommended sna | re nart(s) | | | | | | |

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

| Customer | | | | | | | | | |
|---|--|------------------|-------------|-------------|---------------|--|--|--|--|
| Customer PO | | | | | | | | | |
| Sales Order | | | | | | | | | |
| Project # | | | | | | | | | |
| Tag: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| All characteristics are av | All characteristics are average expected values. | | | | | | | | |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. | | | | | | | | | |
| Engineering | zxie | Doc. Written By | D. Suarez | Doc.#/Rev | MPCF-1125 / 0 | | | | |
| Engr. Date | 4/28/2021 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | | |