



| .eading | Innovation | >>> |
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TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

| | | | | - | | 1 | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|-------------------|--------------------|--------------------|--------------|------------|----------------------------------|
| HP 0.75 | kW 0.55 | Pole 6 | FL RPM 1165 | Frame 56C | Voltage 230/460 | Hz 60 | Phase 3 | FL Amps 2.6/1.3 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA | NEMA | kVA Code | Ambient |
| | | | | - | Nom. Eff. | Design | | (°C) |
| TEFC | 55 | F | 1.15 | CONT | 82.5 | В | | 40 C |
| oad | HP | kW | Ampe | eres | Efficiency | / (%) | Power F | actor (%) |
| ull Load | 0.75 | 0.6 | 1. | | 82.6 | | | 6.6 |
| Load | 0.56 | 0.4 | 1. | 1 | 81.3 | | 58 | 3.3 |
| 2 Load | 0.37 | 0.3 | 0. | 9 | 76.9 | | 46 | 3.1 |
| 4 Load | 0.19 | 0.1 | 0. | 9 | 64.2 | | 30 |).2 |
| lo Load | | | 0. | | | | | .9 |
| ocked Rotor | | | 8. | 0 | | | 51 | 1.6 |
| | | | . | | | | | |
| Full Lo | ad | Locko | Torque d Rotor | | ıll Up | Bro | ak Down | Rotor wk ² Inertia |
| (lb-ft | | | FLT) | | FLT) | | 6 FLT) | (lb-ft ²) |
| 3.38 | | | 15 | | 165 | | 285 | 0.15 |
| 35 | 15 | dB(A) @ 1M | DI 6305 | | NDE 6305Z | Z | | 52 |
| 35 | 15 | | | | | Z | | - |
| 35 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Ro | ecommended spar | | | | | Z | | - |
| Bearings are the only re Motor Options: Product Family:EQF | ecommended spar | | | | | Z | | - |
| Bearings are the only re Notor Options: Product Family:EQF | ecommended spar | | | | | Z | | - |
| Bearings are the only re Iotor Options: Product Family:EQF Nounting:C-Face Re | ecommended spar | | | | | Z | | - |
| Bearings are the only re lotor Options: Product Family:EQF Nounting:C-Face Re Sustomer | ecommended spar | | | | | Z | | - |
| Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Re ustomer ustomer PO | ecommended spar | | | | | Z | | - |
| learings are the only re lotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order | ecommended spar | | | | | Z | | - |
| earings are the only re otor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # | ecommended spar | | | | | Z | | - |
| learings are the only re lotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # | ecommended spar | | | | | Z | | - |
| earings are the only re roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag: | ecommended span | e part(s). | 6305 | 522 | 6305Z | | | - |
| earings are the only re fotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag: | ecommended span | e part(s). | 6305 | 52Z RPORATION · | 6305Z | AS U.S.A. | | 52 |
| Bearings are the only re Notor Options: Product Family:EQF | ecommended span | e part(s). | 6305 | 522 | 6305Z | AS U.S.A. | | 52 52 MPCF-1119/0 |



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|----------|-------------|-------------------------|----------------|---------------------------------|-----------------------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 0.50 | 0.37 | 6 | 970 | 56C | 190/380 | 50 | 3 | 2.4/1.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.0 | CONT | 78.5 | - | | 40 C |
| | | | | | | | | |
| oad | HP | kW | Ampe | | Efficiency | | | actor (%) |
| ull Load | 0.50 | 0.4 | 1. | | 79.9 | | 61 | |
| Load | 0.38 | 0.3 | 1. | | 77.6 | | | 2.9 |
| 2 Load | 0.25 0.13 | 0.2 | 0. 0. | | 71.8 67.5 | | | 1.5 7.2 |
| | 0.13 | 0.1 | | | 07.5 | | - | |
| lo Load .ocked Rotor | | - | 0. | | | | 9. 56 | |
| Full Lc (lb-ft 2.7 | t) | Locked (% F | FLT) | (% | ull Up 5 FLT) 200 | | ak Down % FLT) 320 | Inertia (Ib-ft²) 0.15 |
| Cold | Hot | Pressure dB(A) @ 1M | DI | E | NDE | | (Ib | os) |
| 35 | 15 | | 6305 | 5ZZ | 6305Z | Z | 5 | 52 |
| 35 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face R | ecommended spar | e part(s). | 6305 | 522 | 6305Z | Z | 5 | - |
| Bearings are the only re Iotor Options: Product Family:EQF | ecommended spar | e part(s). | 6305 | 5ZZ | 6305Z | Z | 5 | - |
| Bearings are the only re Iotor Options: Product Family:EQF Nounting:C-Face R | ecommended spar | e part(s). | 6305 | 5ZZ | 6305Z | Z | 5 | - |
| Bearings are the only re lotor Options: Product Family:EQF Nounting:C-Face R Sustomer Sustomer PO | ecommended spar | e part(s). | 6305 | 5ZZ | 6305Z | Z | 5 | - |
| Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order | ecommended spar | e part(s). | 6305 | 5ZZ | 6305Z | Z | 5 | - |
| iearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject # | ecommended spar | e part(s). | 6305 | 522 | 6305Z | Z | 5 | - |
| Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject # | ecommended spar | e part(s). | 6305 | 5ZZ | 6305Z | Ζ | 5 | - |
| earings are the only re otor Options: roduct Family:EQF tounting:C-Face R ustomer ustomer PO ales Order roject # ag: | ecommended spar | lues. | | | | | 5 | - |
| Bearings are the only re Totor Options: Troduct Family:EQF Aounting:C-Face R Ustomer ustomer PO ales Order roject # ag: I characteristics are av | ecommended span | Ilues. TOSHIBA INTER | | RPORATION · | HOUSTON, TEX | | | 52 |
| Bearings are the only re Iotor Options: Product Family:EQF | ecommended span | lues. | | | HOUSTON, TEX | AS U.S.A. | 5 Doc.# / Rev Doc. issued | 52 |



| | _ | | | Issued Date | 6/19/202 | | Transmit # | |
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| TOSHI | BA | | | Issued By | dschoed | CK | Issued Rev | |
| Leading Inno | vation >>> | | | | | | | |
| | | S | PEED TORG | UE/CURRENT | CURVE | | | |
| Model: | 3/46SDSR34H-F | D | | | | | | |
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 0.75 | 0.55 | 6 | 1165 | 56C | 230/460 | 60 | 3 | 2.6/1.3 |
| | | | | | NEMA | NEMA | | Ambient |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | Design | kVA Code | (°C) |
| TEFC | 55 | F | 1.15 | CONT | 82.5 | В | | 40 C |
| ocked Rotor | Rotor wk ² | | | | Torque | | 1 | |
| Amps | Inertia | Full Load | | d Rotor | Pull Up | 0 | Break | |
| | (lb-ft²) | (lb-ft) | | %) | (%) 165 | | (% 28 | |
| 8.0 | 0.15 | 3.38 | Ζ | 15 | 105 | | 28 | 5 |
| | 1 | | | | | | | |
| 280 (%) 210 140 70 | | | | | | | 4 | ²⁰ Current (%) 30 |
| (%) anbjogram 140 | | 20 | 40 | 6 | | 80 | 4 | ²⁰ Current (%) |
| (%) enbuo 140 | | 20 | | 60 Tronous Speed | | 80 | 4 | ²⁰ Current (%) |
| (%) enduced and a constraint of the second s | | 20 | | | | 80 | 4 | ²⁰ Current (%) |
| (%) ²¹⁰ nbio 140 70 | 0 | | | | | 80 | 4 | ²⁰ Current (%) |
| (%) enbuo 140 | 0 | | | | | 80 | 4 | ²⁰ Current (%) |
| (%) ²¹⁰ nbio 140 70 | 0 | | | | | 80 | 4 | ²⁰ Current (%) |
| 210 140 70 0 Torq | 0 | | | | (%) | | | ²⁰ Current (%) |
| 210 140 70 0 Torq stomer | 0 | | | | (%) | nertia (Ib-ft²) | 4 | ²⁰ Current (%) |
| (%) ²¹⁰ nbJoL 140 70 | 0 | | | | (%) wk² Load Ir | | 4 1 100 | 20 Current (%) 30 |

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All characteristics are average expected values.

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|-----------------------------------------------------------|-----------|------------------|-------------|-------------|---------------|--|--|--|--|
| Engineering | 202 | Doc. Written By | | Doc.#/Rev | MPCF-1121 / 0 | | | | |
| Engr. Date | 6/24/2022 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | | |



HP

0.50

Enclosure

TEFC

Locked Rotor

Amps

7.2

350

280

(%) anbjog 140

70

Model: 3/46SDSR34H-P

kW

0.37

IP

55

Rotor wk²

Inertia

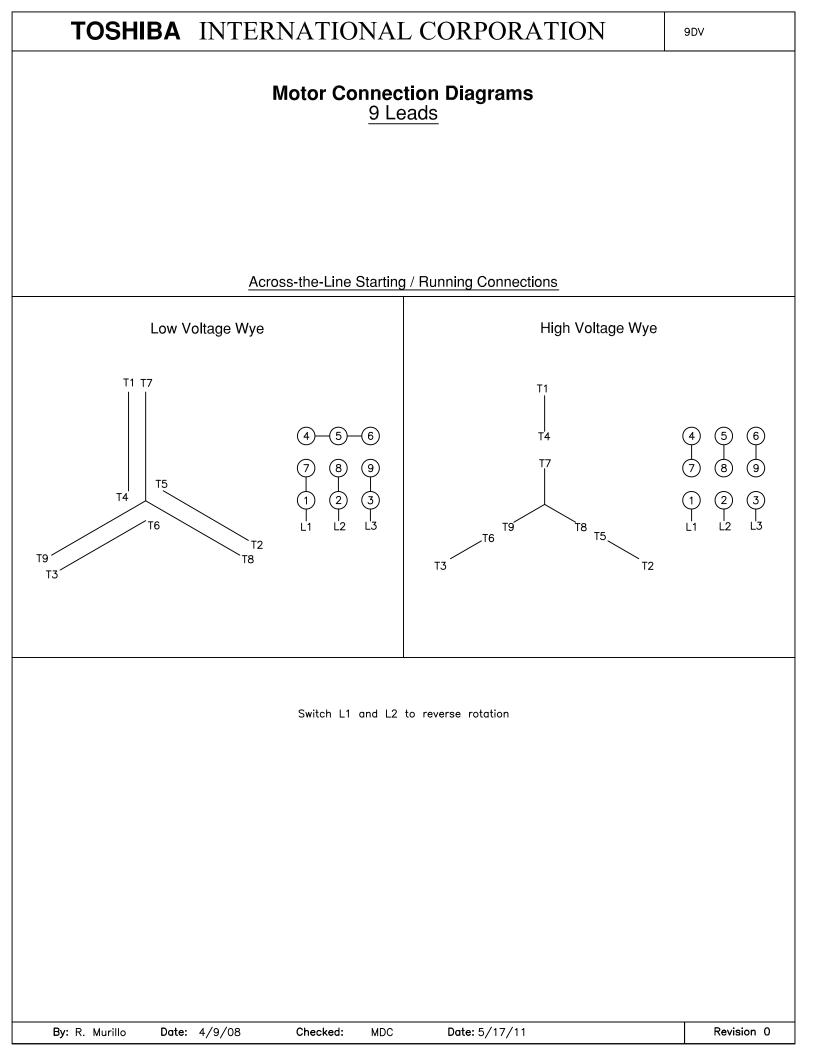
(lb-ft²)

0.15

| | | Issued Date | 6/19/202 | 25 | Transmit # | |
|-----------|-----------|-------------|-------------------|----------------|------------|-----------------|
| | | Issued By | dschoed | ck | Issued Rev | |
| S | PEED TORQ | UE/CURREN | IT CURVE | | | |
| Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 6 | 970 | 56C | 190/380 | 50 | 3 | 2.4/1.2 |
| ns. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| F | 1.0 | CONT | 78.5 | - | | 40 C |
| | | | Torque | | | |
| Full Load | Locked | | Pull Up | C | Break | |
| (lb-ft) | (% | | (%) | | (% | |
| 2.71 | 26 | 0 | 200 | | 32 | 0 |
| | | sign Valu | es | | 7 | 00 |
| | | sign value | es | | 5 | 60 |
| | | | es | | 5 | |

| 0 | | | | | |
|---------------------------------------|------------------------|---------------|--------------|------------------------------------|---------------------------|
| 0 | 20 | 40 | 60 | 80 | 100 |
| | | Synchronou | is Speed (%) | | |
| Torque | Current | | | | |
| Customer | | | wk² | Load Inertia (Ib-ft ²) | - |
| Customer PO | | | | Load Type | - |
| Sales Order | | | | Voltage (%) | 100 |
| Project # | | | | Accel. Time | - |
| Tag: | | | | | |
| All characteristics are average exped | cted values. | | | | |
| | TOSHIBA INTERNA | TIONAL CORPOR | | I, TEXAS U.S.A. | |
| Engineering | SPinzon | | | D. Suarez | Doc.# / Rev MPCF-1121 / 0 |

| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. | | | | | | | | | |
|-----------------------------------------------------------|-----------|------------------|-------------|-------------|---------------|--|--|--|--|
| Engineering | SPinzon | Doc. Written By | D. Suarez | Doc.#/Rev | MPCF-1121 / 0 | | | | |
| Engr. Date | 6/24/2022 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | | |





Pole

| | Issued Date: | 6/19/20 | 25 | Transmit #: | |
|-----------------------|--------------|---------------------------|--------------|-------------|---------------------------------------|
| | Issued By: | dschoe | eck | Issued Rev: | |
| SPAR | E PARTS LIS | Τ* | | | |
| | | | | | |
| FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| FL RPM 1165 | Frame 56C | Voltage 230/460 | Hz 60 | Phase 3 | FL Amps 2.6/1.3 |
| | | | _ | | FL Amps 2.6/1.3 Ambient (°C) |

Model: 3/46SDSR34H-P

kW

ΗP

0.75
0.55
6
1165
56C
230/460
60
3

Enclosure
IP
Ins. Class
S.F.
Duty
NEMA Nom. Eff.
NEMA Design
N

*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 | verage expected values. | | | | |
| | TOSHIBA INTER | RNATIONAL CORPORATION · | HOUSTON, TEXAS U.S.A. | | |
| Engineering | SPinzon | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1125 / 0 |
| Engr. Date | 6/24/2022 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |