



| Model: | Y152SDSR42 | A-P | | | | | | |
|---|--------------------|------------------------|---------------------------------|------------------|------------------------------|----------------|--------------------------|--|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 2 | 3525 | 143TC | 230/460 | 60 | 3 | 4.2/2.1 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 84.0 | В | | 40 C |
| | | | | | | | | |
| Load | HP | kW | Ampe | | Efficiency | (%) | | actor (%) |
| Full Load | 1.50 | 1.1 | 2.1 | | 86.5 | | | 3.7 |
| ³ / ₄ Load | 1.13 0.75 | 0.8 | 1.1 | | 84.0 78.4 | | | 1.0 3.4 |
| ½ Load ¼ Load | 0.73 | 0.0 | 0.8 | | 70.4 | | | 3.4 |
| No Load | 0.00 | 0.0 | 1. | | 7 1.2 | | |).3 |
| Locked Rotor | | | 19. | | | | | 1.3 1.1 |
| Full L (Ib-f 2.2 | t) | (% | Torque d Rotor FLT) 30 | Pu (% | II Up FLT) 225 | | ak Down % FLT) 320 | Rotor wk² Inertia (Ib-ft²) 0.06 |
| Safe Stall | Time(s) | Sound | | Bearing | gs* | | Approx. Mo | otor Weight |
| Cold | Hot | Pressure dB(A) @ 1M | DE | | NDE | (lbs) | | os) |
| 31 | 15 | - | 6305Z | ZC3 | 6305ZZ | 5ZZC3 54 | | 4 |
| *Bearings are the only r Motor Options: Product Family:EQ Mounting:C-Face F | P Global SD CF | ace Footed | | | | | | |
| Customer | | | | | | | | |
| Customer PO | | | | | | | | |
| Sales Order Project # | | | | | | | | |
| Tag: | verage expected va | lues. | | | | | | |
| | - | TOSHIBA INTER | RNATIONAL CO | RPORATION | HOUSTON TEX | AS U.S.A. | | |
| Engineering | | ierrettaz | | Doc. Written By | D. Suarez | | Doc.#/Rev | MPCF-1119 / 0 |
| Engr. Date | | 2/2024 | | Doc. Approved By | M. Campb | pell | Doc. Issued | 6/8/2011 |

6/19/2025

dschoeck

Transmit #

Issued Rev



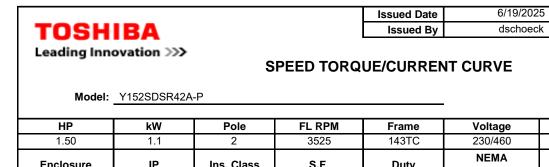
| 1030 | IDA | | L | 155ded by | | | 155000 1107 | |
|-------------------------------------|------------------|--------------|--------------|----------------------|--------------|-----------|----------------------|-----------------------|
| Leading Inn | ovation >>> | | | | | | | |
| 2 | | TYP | ICAL MOTOR | PERFORM | ANCE DATA | | | |
| | | | | | | | | |
| Model: | Y152SDSR42A | -P | | | | | | |
| | - | | | | | - | | |
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 2 | 2865 | 143TC | 190/380 | 50 | 3 | 5.2/2.6 |
| E. de erre | 10 | | 0.5 | Destru | NEMA | NEMA | | Ambient |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | Design | kVA Code | (°C) |
| TEFC | 55 | F | 1.0 | CONT | 79.6 | В | | 40 C |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Load | HP | kW | Ampe | res | Efficiency | (%) | Power Fa | actor (%) |
| Full Load | 1.50 | 1.1 | 2.6 | | 80.6 | | 82 | |
| ³ ⁄ ₄ Load | 1.13 | 0.8 | 2.1 | | 79.5 | | 76 | |
| ¹ / ₂ Load | 0.75 | 0.6 | 1.7 | | 75.4 | | 65 | |
| 1/2 Load | 0.38 | 0.3 | 1.4 | | 62.7 | | 45 | |
| No Load | 0.00 | 0.0 | 1.2 | | •= | | 12 | |
| | | | 1.2 | | | | 52 | |
| Locked Rotor | | | 10. | 0 | | | 52 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | - | | Torque | | | _ | | Rotor wk ² |
| Full L | | | d Rotor | | ll Up | | ak Down | Inertia |
| (lb-f | | | FLT) | | FLT) | (9 | % FLT) | (lb-ft²) |
| 2.7 | 5 | 2 | 210 | 1 | 85 | | 270 | 0.06 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Safe Stall | Time(s) | Sound | | Bearing | *** | | Amprox Ma | tor Woight |
| 0.11 | 11-4 | Pressure | | Bearing | igs" | | Approx. Motor Weight | |
| Cold | Hot | dB(A) @ 1M | DE | | NDE | | (lbs) | |
| 35 | 15 | - | 6305Z | 703 | 6305ZZC3 | | 54 | |
| 00 | 10 | | 00002 | 200 | 0000220 | 50 | | - |
| | | | | | | | | |
| *Bearings are the only r | ecommended snare | nart(s) | | | | | | |
| Doannigo aro ano onny r | ocommonada oparo | pun(o). | | | | | | |
| Motor Optional | | | | | | | | |
| Motor Options: Product Family:EQ | P Global SD CFa | ce Footed | | | | | | |
| Mounting:C-Face F | ooted,Shaft:T Sh | aft | | | | | | |
| 5 - | , | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| Customer | | | | | | | | |
| | | | | | | | | |
| Customer PO | | | | | | | | |
| Sales Order | | | | | | | | |
| Project # | | | | | | | | |
| Tag: | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| All characteristics are av | | | | | | | | |
| | Т | OSHIBA INTER | RNATIONAL CO | RPORATION · I | HOUSTON, TEX | AS U.S.A. | | |
| Engineering | | rrettaz | | Doc. Written By | D. Suarez | | Doc.#/Rev | MPCF-1119 / 0 |
| Engr. Date | | 2024 | | Doc. Approved By | M. Campb | ell | Doc. Issued | 6/8/2011 |
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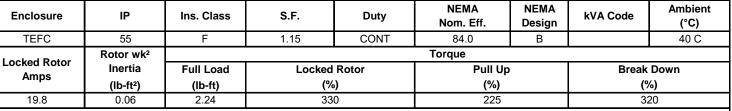
6/19/2025

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Phase

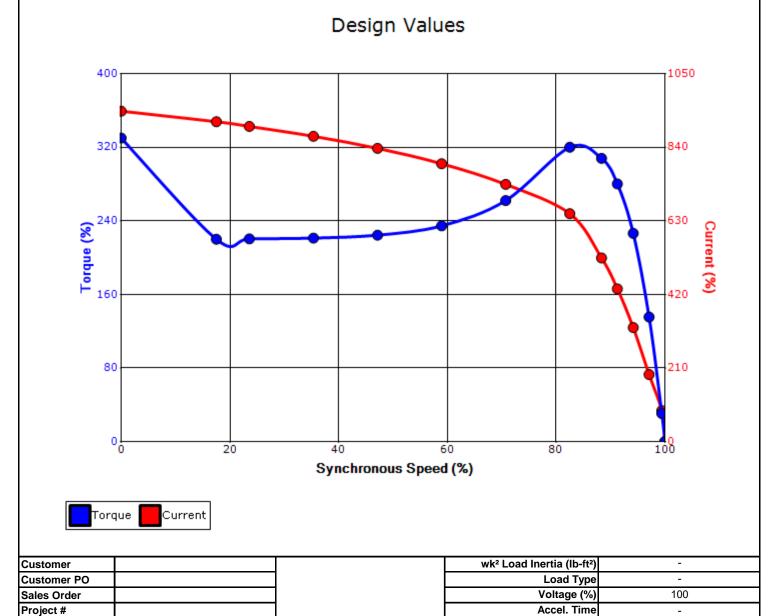
3

FL Amps

4.2/2.1

Hz

60



Tag:

All characteristics are average expected values.

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|---|-------------|------------------|-------------|-------------|---------------|--|--|--|
| Engineering | aguerrettaz | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 | | | |
| Engr. Date | 8/2/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | |



HP

1.50

Enclosure

TEFC

Locked Rotor

Amps

16.8

350

280

(%) anbjog 140

70

ᅆ

Model: Y152SDSR42A-P

kW

1.1

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.06

| | | Issued Date | 6/19/202 | | Transmit # | |
|------------|-----------|-------------|-------------------|----------------|-------------------|---------------------------|
| | | Issued By | dschoeck | | Issued Rev | |
| S | PEED TORG | UE/CURREN | IT CURVE | | | |
| Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 2 | 2865 | 143TC | 190/380 | 50 | 3 | 5.2/2.6 |
| Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| F | 1.0 | CONT | 79.6 | В | | 40 C |
| | | | Torque | | | |
| Full Load | | d Rotor | Pull Up |) | Break | |
| (lb-ft) | | %) | (%) | | (%) 270 | |
| 2.75 | 2 | 10 | 185 | | 21 | 0 |
| | | | | | | 50 |
| | • • | | | | | ⁵⁰ Current (%) |
| | | | | | | 00 |

150

100

20 40 Synchronous Speed (%) nt

| Customer | | wk ² Load Inertia (Ib-ft ²) | - |
|-------------|--|--|-----|
| Customer PO | | Load Type | - |
| Sales Order | | Voltage (%) | 100 |
| Project # | | Accel. Time | - |

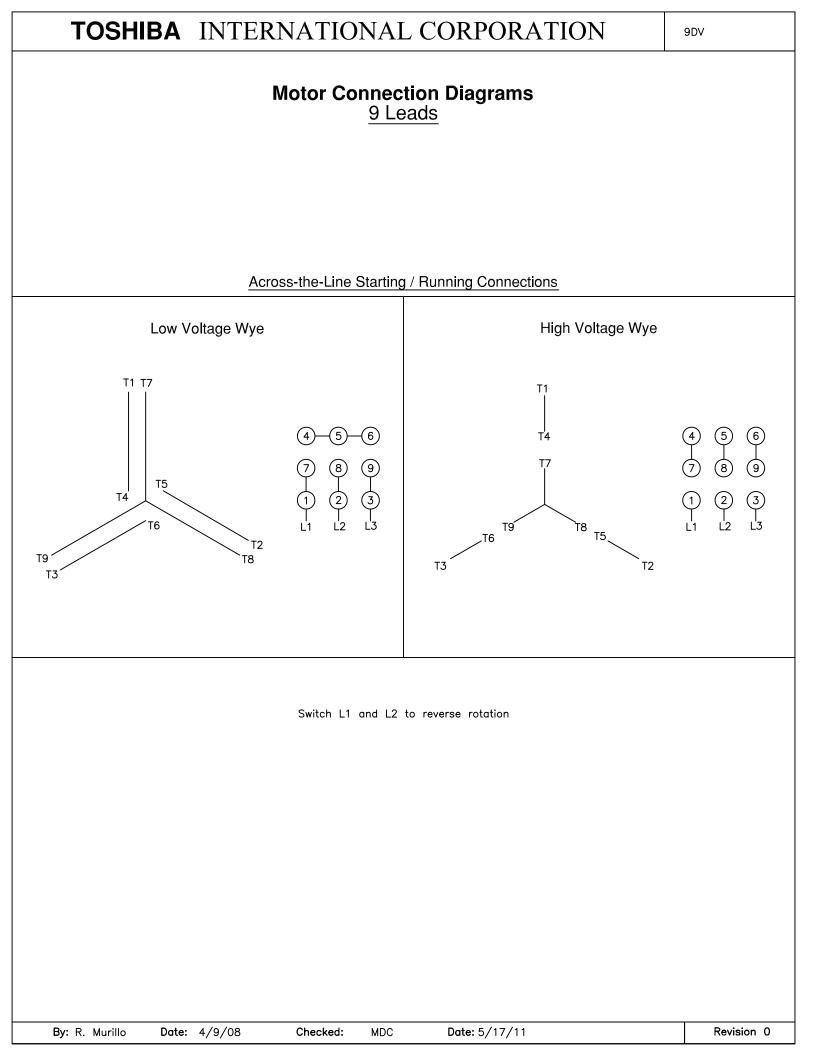
60

80

Tag:

All characteristics are average expected values

| | TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. | | | | | | | | |
|-------------|---|------------------|-------------|-------------|---------------|--|--|--|--|
| Engineering | aguerrettaz | Doc. Written By | D. Suarez | Doc.#/Rev | MPCF-1121 / 0 | | | | |
| Engr. Date | 8/2/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | | |



| тозн | | | | Issued Date: Issued By: | 6/19/20 dschoe | - | Transmit #: Issued Rev: | |
|-------------------|------------|-----------|-----------------------|----------------------------|------------------------|--------------|----------------------------|--------------------|
| Leading Inr | vation >>> | | SPARI | E PARTS LIS | | | | |
| | | | | | | | | |
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| HP 1.50 | kW | Pole 2 | FL RPM 3525 | Frame 143TC | Voltage 230/460 | Hz 60 | Phase 3 | FL Amps 4.2/2.1 |
| | | | | | 0 | | | |

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

Bearings NDE

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.

6305ZZC3 / 25BC03JPP3OA

| Customer | | | | | | | | |
|----------------------------|---|------------------|-------------|-------------|---------------|--|--|--|
| Customer PO | | | | | | | | |
| Sales Order | | | | | | | | |
| Project # | | | | | | | | |
| Tag: | | | | | | | | |
| All characteristics are av | verage expected values. | | | | | | | |
| | TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. | | | | | | | |
| Engineering | aguerrettaz | Doc. Written By | D. Suarez | Doc.#/Rev | MPCF-1125 / 0 | | | |
| Engr. Date | 8/2/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 | | | |