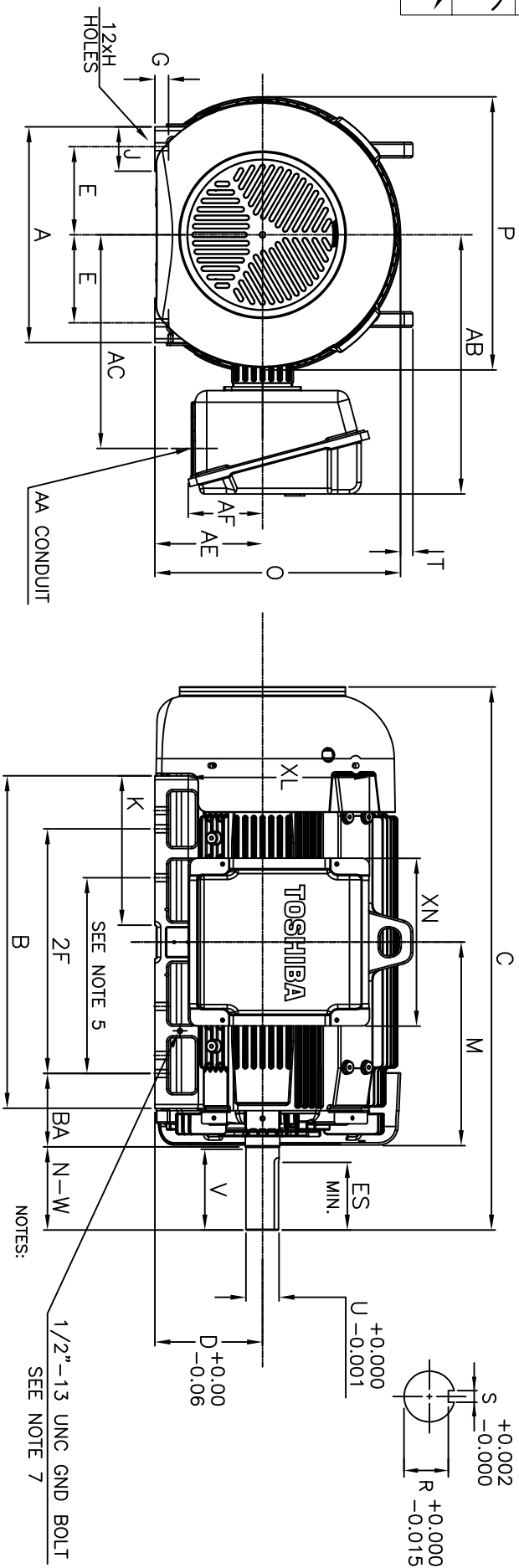
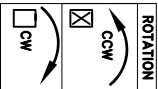




UNITS: INCHES

| FRAME SIZE  | MOTOR DIMENSIONS |             |      |       |                 |      |       |       |          |      |           | CONDUIT BOX                                     |      |      |                |     |      |      |
|-------------|------------------|-------------|------|-------|-----------------|------|-------|-------|----------|------|-----------|-------------------------------------------------|------|------|----------------|-----|------|------|
|             | A                | B           | C    | D     | G               | J    | K     | M     | O        | P    | T         | A <sub>1</sub> [N <sub>1</sub> T <sub>1</sub> ] | AB   | AC   | AE             | AF  | XL   | XN   |
| S447T/S449T | 22.0             | 34.0        | 55.5 | 11.00 | 1.4             | 4.5  | 15.3  | 20.8  | 25.0     | 27.9 | 1.3       | 4.00                                            | 26.5 | 21.8 | 11.00          | 7.6 | 18.5 | 17.1 |
| FRAME SIZE  | MOUNTING         |             |      |       | SHAFT EXTENSION |      |       |       | KEY SEAT |      |           | BEARINGS                                        |      |      | MAXIMUM WEIGHT |     |      |      |
|             | E                | 2F          | H    | BA    | N-W             | V    | U     | R     | S        | ES   | LS ROLLER | OS 4~6P                                         |      |      |                |     |      |      |
| S447T/S449T | 9.00             | 20.00/25.00 | 0.82 | 7.50  | 8.50            | 8.25 | 3.375 | 2.880 | 0.875    | 6.91 | NU322C3   | 6318C3                                          |      |      | 2330 lb        |     |      |      |

- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
  2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
  3. "T" KEY DIMENSIONS EQUAL S x S x 6.88 (MOTOR SUPPLIED WITH KEY)
  4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  5. THIS DIMENSION EQUALS 2F FOR S447T MOUNTING
  6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN, OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
  7. FRAME GROUND BOLT STANDARD

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_

TAG NO's.: \_\_\_\_\_

P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ HZ: \_\_\_\_\_  
FRAME SIZE: S447/9 \_\_\_\_\_ PRODUCT TYPE: IEFC EGP PREMIUM EFFICIENCY QUARRY DUTY  
COMMENTS: \_\_\_\_\_

PER: \_\_\_\_\_ DATE: \_\_\_\_\_

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE ☒ PRELIMINARY  
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED ☐ CERTIFIED

**TOSHIBA**  
TOTALLY-ENCLOSED FAN-COOLED  
HORIZONTAL FOOT-MOUNTED  
3 PHASE INDUCTION MOTOR  
F1 ASSEMBLY

**XT SERIES**  
VISIT OUR WEBSITE AT:  
www.toshiba.com/ind

- ☒ STANDARD (NO AUX. BOXES)  
☐ RTD AUX. BOX  
☐ SPACE HEATER AUX. BOX  
☐ BEARING RTD's

## TYPICAL MOTOR PERFORMANCE DATA

Model: 2006QDSC41A-R

| HP        | kW  | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| 200       | 150 | 6          | 1191   | S449T | 575            | 60          | 3        | 191          |
| Enclosure | IP  | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55  | F          | 1.15   | CONT  | 95.8           | A           |          | 40 C         |

| Load         | HP     | kW    | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load    | 200.00 | 149.1 | 190     | 96.4           | 81.4             |
| ¾ Load       | 150.00 | 111.9 | 150     | 95.7           | 78.1             |
| ½ Load       | 100.00 | 74.6  | 113     | 94.1           | 70.2             |
| ¼ Load       | 50.00  | 37.3  | 75      | 89.5           | 55.5             |
| No Load      |        |       | 74.2    |                |                  |
| Locked Rotor |        |       | 1419    |                |                  |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 882               | 245                  | 205             | 285                | 170.68                     |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |        | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Cold               | Hot |                           | DE        | NDE    |                            |
| 35                 | 15  | 71.3                      | NU322C3   | 6318C3 |                            |

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

**Motor Options:**  
Product Family:Quarry  
Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

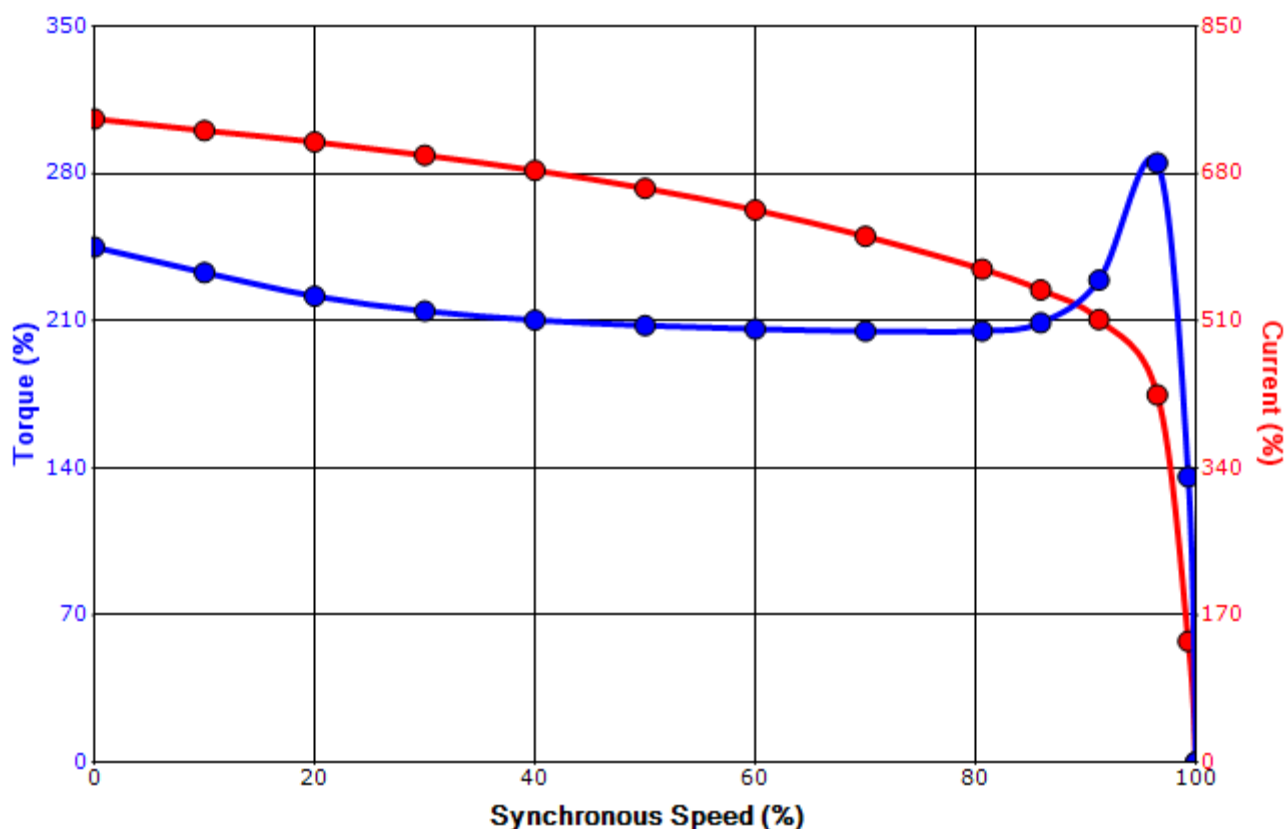
|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | zxie      | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 7/25/2023 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: 2006QDSC41A-R

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 200               | 150                                                 | 6                 | 1191             | S449T       | 575            | 60             | 3        | 191          |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 55                                                  | F                 | 1.15             | CONT        | 95.8           | A              |          | 40 C         |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |                |          |              |
|                   |                                                     | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) |                | Break Down (%) |          |              |
| 1419              | 170.68                                              | 882               | 245              | 205         |                | 285            |          |              |

### Design Values



|             |  |                                                    |     |
|-------------|--|----------------------------------------------------|-----|
| Customer    |  | wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> ) | -   |
| 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  | 7/25/2023 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**Motor Connection Diagrams**  
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation