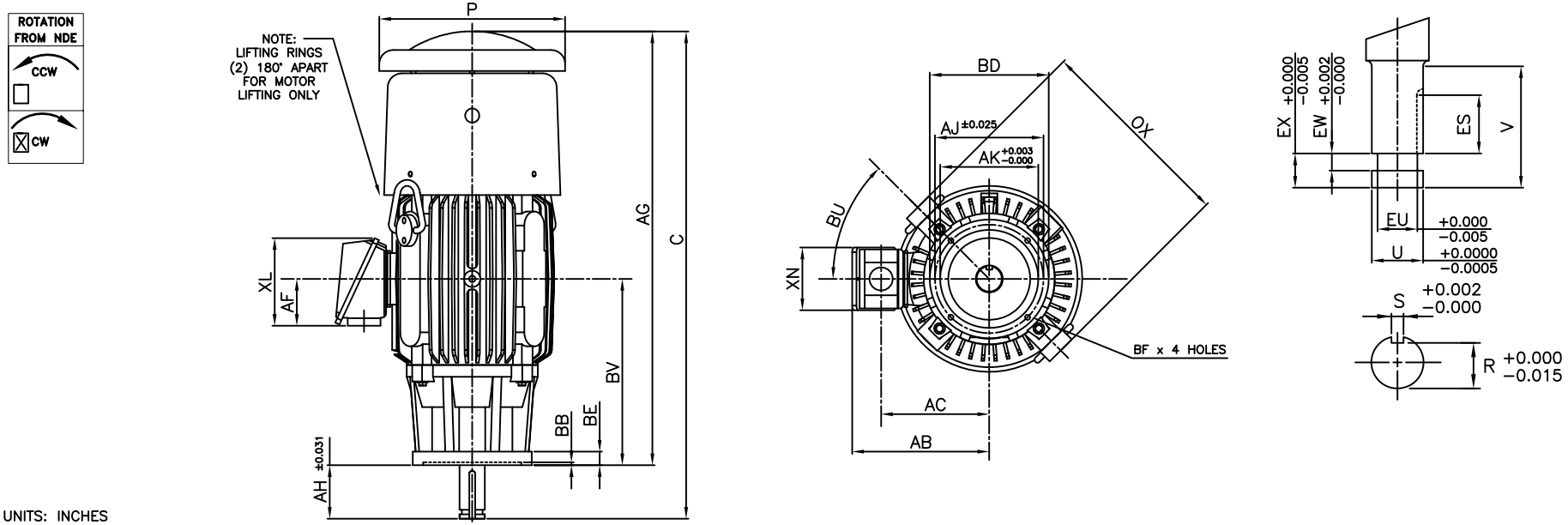


UNITS: INCHES

| FRAME SIZE | MOTOR DIMENSIONS | | | | | P-FLANGE DIMENSIONS | | | | | | | SHAFT EXTENSION DIMENSIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AG | C | P | OX | BU | BB | BE | BF | BD | BV | AK | AJ | AH | EU | U | V | R | S | ES | EW | EX |
| 250HP10 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 2.75 | 0.875 | 1.125 | 2.75 | 0.986 | 0.25 | 1.28 | 0.375 | 0.75 |
| 250HP12 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 2.75 | 0.875 | 1.125 | 2.75 | 0.986 | 0.25 | 1.28 | 0.375 | 0.75 |
| 250LP10 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 2.75 | 1.250 | 1.625 | 2.75 | 1.416 | 0.375 | 1.28 | 0.375 | 0.75 |
| 250LP12 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 2.75 | 1.250 | 1.625 | 2.75 | 1.416 | 0.375 | 1.28 | 0.375 | 0.75 |
| 280HP10 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 2.75 | 0.875 | 1.125 | 2.75 | 0.986 | 0.25 | 1.28 | 0.375 | 0.75 |
| 280HP12 | 36.5 | 39.3 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 2.75 | 0.875 | 1.125 | 2.75 | 0.986 | 0.25 | 1.28 | 0.375 | 0.75 |
| 280LP10 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.750 | 2.125 | 4.50 | 1.845 | 0.50 | 3.03 | 0.375 | 0.75 |
| 280LP12 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.750 | 2.125 | 4.50 | 1.845 | 0.50 | 3.03 | 0.375 | 0.75 |
| 280HPH10 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 3.03 | 0.375 | 0.75 |
| 280LPA10 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 10.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 1.28 | 0.375 | 0.75 |
| 280HPH12 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 3.03 | 0.375 | 0.75 |
| 280LPA12 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.44 | 12.0 | 15.7 | 8.25 | 9.125 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 1.28 | 0.375 | 0.75 |
| 280HP16 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.69 | 16.5 | 15.7 | 13.50 | 14.75 | 4.50 | 1.750 | 2.125 | 4.50 | 1.845 | 0.50 | 3.03 | 0.375 | 0.75 |
| 280LPH16 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.69 | 16.5 | 15.7 | 13.50 | 14.75 | 4.50 | 1.750 | 2.125 | 4.50 | 1.845 | 0.50 | 3.03 | 0.375 | 0.75 |
| 280HPH16 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.69 | 16.5 | 15.7 | 13.50 | 14.75 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 3.03 | 0.375 | 0.75 |
| 280LPA16 | 36.5 | 41.0 | 15.7 | 17.1 | 45° | 0.25 | 1.0 | 0.69 | 16.5 | 15.7 | 13.50 | 14.75 | 4.50 | 1.250 | 1.625 | 4.50 | 1.416 | 0.375 | 1.28 | 0.375 | 0.75 |

NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
3. KEY DIMENSIONS EQUAL S x S x ES (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

| CONDUIT BOX DIMENSIONS | | | | | | MAXIMUM WEIGHT |
|---|---|---|---|---|---|---|
| AA[NPT] | AB | AC | AF | XL | XN | |
| 1.50 | 10.7 | 8.3 | 4.0 | 7.4 | 5.3 | 500 lbs. |

| FRAME SIZE | BEARINGS | |
|---|---|---|
| | LS | OS |
| 250HP | 6309C3 | 6310C3 |
| 250LP | 6309C3 | 7309BEGAM x 2 |
| 280HP | 6309C3 | 6310C3 |
| 280LP | 6312C3 | 7309BEGAM x 2 |

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____

FRAME SIZE: _____ PRODUCT TYPE: VERTICAL SOLID SHAFT ROUND BODY P-FLANGE

COMMENTS: _____

PER: _____ DATE: _____

TAG NO's.:

- [X] STANDARD (NO AUX. BOXES)
- [ ] RTD AUX. BOX
- [ ] SPACE HEATER AUX. BOX
- [ ] BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

[X] PRELIMINARY

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED

[ ] CERTIFIED

**TOSHIBA**

TOSHIBA INTERNATIONAL CORPORATION

# TOTALLY-ENCLOSED FAN-COOLED VERTICAL SOLID SHAFT ROUNDBODY P-FLANGE 3 PHASE INDUCTION MOTOR F1 ASSEMBLY

**XT SERIES**

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