

# INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

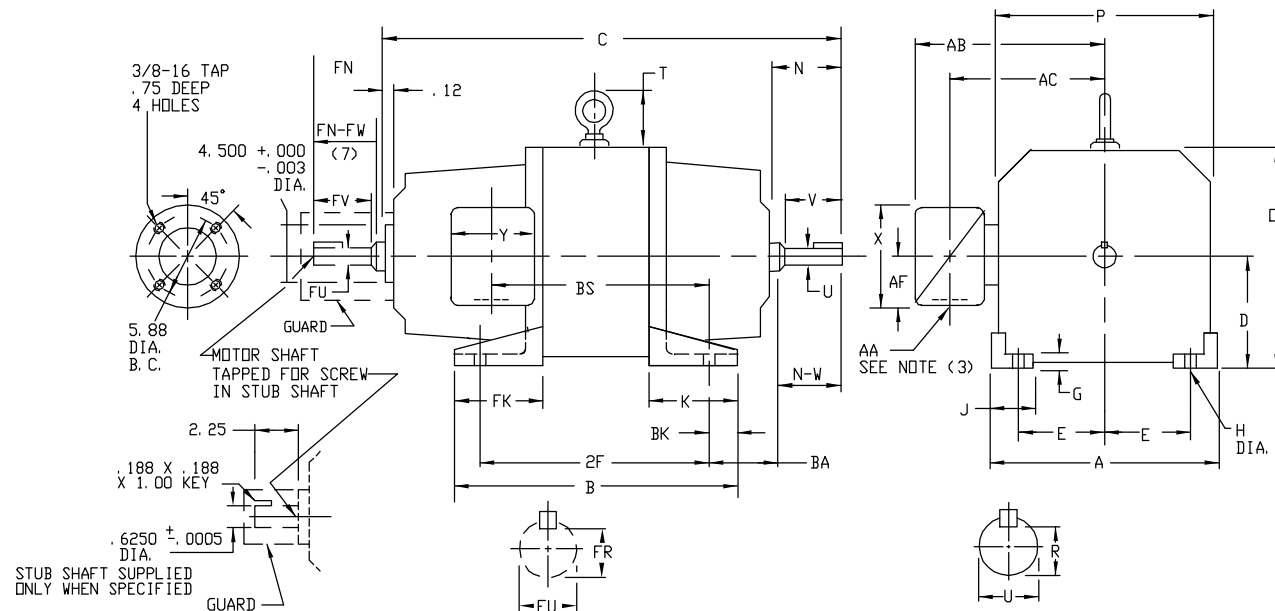
MOUNTING: FOOT  
METHOD OF DRIVE: COUPLED OR BELTED

ENCLOSURE: DRIP-PROOF FULLY-GUARDED  
SPLASHPROOF, TOTALLY ENCLOSED

COOLING: SELF-VENTILATED  
NON-VENTILATED

ACCESSORIES: PROVISION FOR  
TACHOMETER MOUNTING  
ONLY WHEN SPECIFIED

## FRAMES C180ATZ



- (1) 'D' DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) 'U' AND 'FU' VARY +.0000 - .0005
- (3) TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.  
FOR 'X/P' TERMINAL BOX DIMENSIONS SEE 609989-1.  
FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609989-2.
- (4) 'R' AND 'FR' VARY +.000, -.015.
- (5) AA CONDUIT, TERMINAL BOX PROVIDED WITH DOUBLE KNOCKOUT.
- (6) AA PIPE TAP
- (7) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
- (8) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF OPP. DRIVE END, ADD .25 TO 'C' DIM. FOR BRACKET COVER.

TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, V-4, W-5, W-7 OR C-1 MOUNTING IS SPECIFIED.  
BOX LOCATED ON TOP WHEN SPECIFIED.

MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

DIMENSIONS ARE IN INCHES

| FRAME             | A    | D(1) | E    | G   | H   | J    | D    | P    | T    | BA   | K    | FK   | BK  |
|-------------------|------|------|------|-----|-----|------|------|------|------|------|------|------|-----|
| C1811ATZ-C1812ATZ | 9.00 | 4.50 | 3.75 | .31 | .44 | 1.50 | 8.88 | 8.75 | 1.88 | 2.75 | 4.38 | 4.38 | .50 |

| FRAME    | C(8)  | B     | BS    | 2F    | DRIVE END SHAFT AND KEY |      |        |      |       |      |      | OPPOSITE DRIVE END SHAFT AND KEY (7) |       |        |      |       |      |       | WT.  |
|----------|-------|-------|-------|-------|-------------------------|------|--------|------|-------|------|------|--------------------------------------|-------|--------|------|-------|------|-------|------|
|          |       |       |       |       | N                       | N-W  | UC(2)  | V    | R(4)  | SQ.  | LGTH | FN                                   | FN-FW | FUC(2) | FV   | FR(4) | SQ.  | LGTH. | LBS. |
| C1811ATZ | 23.94 | 14.00 | 11.00 | 12.50 | 3.00                    | 2.75 | 1.3750 | 2.50 | 1.201 | .312 | 1.75 | 2.44                                 | 2.25  | 1.1250 | 2.00 | .986  | .250 | 1.38  | 175  |
| C1812ATZ | 25.44 | 15.50 | 12.50 | 14.00 | 3.00                    | 2.75 | 1.3750 | 2.50 | 1.201 | .312 | 1.75 | 2.44                                 | 2.25  | 1.1250 | 2.00 | .986  | .250 | 1.38  | 210  |

| STEEL TERMINAL BOX DIMENSIONS |              |               |      |      |      |      |      |                |                 |      |      |      |      |      |                |  |
|-------------------------------|--------------|---------------|------|------|------|------|------|----------------|-----------------|------|------|------|------|------|----------------|--|
| FRAME                         | MAX.<br>AMPS | STANDARD SIZE |      |      |      |      |      | PART<br>NUMBER | ONE SIZE LARGER |      |      |      |      |      | PART<br>NUMBER |  |
|                               |              | AA(5)         | AB   | AC   | AF   | X    | Y    |                | AA(5)           | AB   | AC   | AF   | X    | Y    |                |  |
| C180ATZ                       | 40           | 3/4 & 1"      | 7.31 | 5.75 | 1.94 | 4.38 | 5.00 | 705028-1-R     | 1-1/4 & 1-1/2   | 8.31 | 6.31 | 2.50 | 5.50 | 6.12 | 705029-1-R     |  |
|                               | 96           | 1-1/4 & 1-1/2 | 8.31 | 6.31 | 2.50 | 5.50 | 6.12 | 705029-1-R     | 2' & 2-1/2      | 9.44 | 6.69 | 3.19 | 7.00 | 7.62 | 705030-1-R     |  |

| CAST IRON TERMINAL BOX DIMENSIONS |             |               |       |      |      |      |      |                |                 |       |      |      |      |      |                |
|-----------------------------------|-------------|---------------|-------|------|------|------|------|----------------|-----------------|-------|------|------|------|------|----------------|
| FRAME                             | MAX<br>AMPS | STANDARD SIZE |       |      |      |      |      | PART<br>NUMBER | ONE SIZE LARGER |       |      |      |      |      | PART<br>NUMBER |
|                                   |             | AA(6)         | AB    | AC   | AF   | X    | Y    |                | AA(6)           | AB    | AC   | AF   | X    | Y    |                |
| C180ATZ                           | 18          | 3/4           | 9.38  | 7.38 | 2.50 | 5.00 | 5.75 | 705028-2-S     | 1               | 9.38  | 7.38 | 2.50 | 5.00 | 5.75 | 705028-2-T     |
|                                   | 40          | 1             | 9.38  | 7.38 | 2.50 | 5.00 | 5.75 | 705028-2-T     | 1-1/2           | 10.31 | 7.88 | 3.00 | 6.00 | 7.00 | 705029-2-R     |
|                                   | 96          | 1-1/2         | 10.31 | 7.88 | 3.00 | 6.00 | 7.00 | 705029-2-R     | 2               | 10.31 | 7.88 | 3.00 | 6.00 | 7.00 | 705029-2-S     |

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

|                                     |                              |                   |
|-------------------------------------|------------------------------|-------------------|
| REV. DESC: REVISE "D" DIM TOLERANCE | VERSION: 02                  | TDR: 000001158210 |
| REV. LTR: B                         | REvised: 01:10:53 01/13/2021 | BY: RGNAS         |
| FILE: \RGG\00031\202                |                              |                   |
| MTL: -                              |                              |                   |

**BALDOR - RELIANCE®**

DIMENSION DRAWING, C180ATZ, DPP, TENV, FOOT MTG.

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