

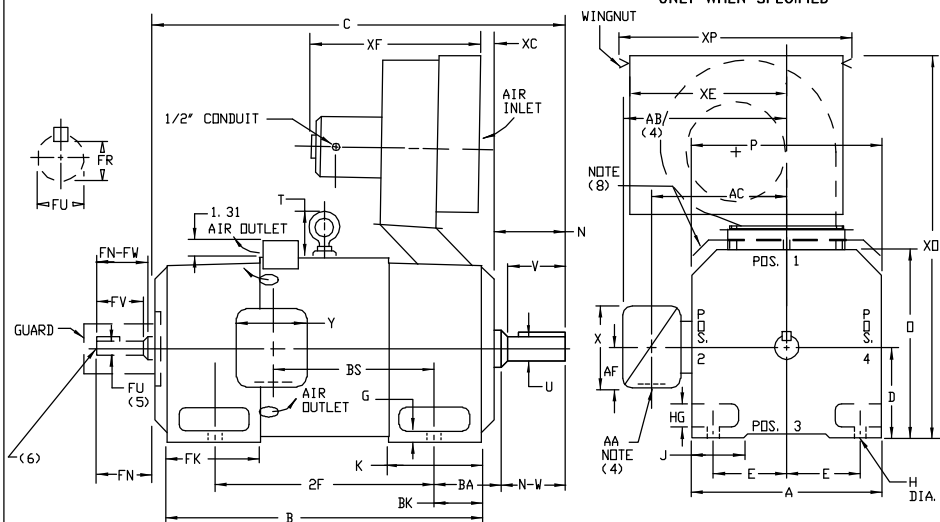
# INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

ENCLOSURE: DRIP-PROOF FULLY-GUARDED,  
SPLASHPROOF

MOUNTING: FOOT  
METHOD OF DRIVE: COUPLED OR BELTED  
FRAMES SC2113ATZ THRU C2813ATZ

COOLING: FORCE VENTILATED  
WITH INTEGRAL BLOWER AND MOTOR  
AIR FILTERED-SPECIAL BAFFLE

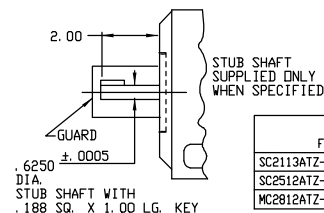
ACCESSORIES: PROVISION FOR  
TACHOMETER MOUNTING  
ONLY WHEN SPECIFIED



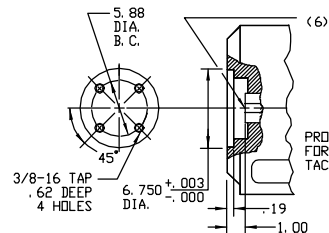
DIMENSIONS ARE IN INCHES

| FRAME               | XC   | XE    | XF    | XO    | XP    |
|---------------------|------|-------|-------|-------|-------|
| SC2113ATZ-LC2113ATZ | 1.00 | 10.00 | 17.25 | 28.00 | 14.50 |
| SC2512ATZ-LC2512ATZ | 2.50 | 10.00 | 17.25 | 30.31 | 14.50 |
| MC2812ATZ-LC2813ATZ | 1.75 | 10.00 | 18.50 | 30.62 | 14.50 |

| FRAME               | A     | DK(1) | E    | G   | H   | HG   | J    | Q     | P     | T    | BA   | K    | FK   | BK   |
|---------------------|-------|-------|------|-----|-----|------|------|-------|-------|------|------|------|------|------|
| SC2113ATZ-LC2113ATZ | 10.25 | 5.25  | 4.25 | .44 | .44 | 1.38 | 1.75 | 10.44 | 10.31 | 2.56 | 3.50 | 5.19 | 6.81 | 2.38 |
| SC2512ATZ-LC2512ATZ | 12.31 | 6.25  | 5.00 | .50 | .56 | 1.62 | 2.00 | 12.50 | 12.44 | 3.06 | 4.25 | 6.06 | 8.00 | 3.00 |
| MC2812ATZ-LC2813ATZ | 13.78 | 7.00  | 5.50 | .62 | .56 | 1.88 | 2.75 | 14.00 | 13.94 | 3.38 | 4.75 | 6.75 | 9.19 | 3.50 |



| FRAME     | C     | B     | BS    | 2F    | DRIVE END SHAFT AND KEY |      |       |      |       |     |       | OPPOSITE DRIVE END SHAFT AND KEY(S) |       |       |      |       |      |       | WT.<br>LBS. |
|-----------|-------|-------|-------|-------|-------------------------|------|-------|------|-------|-----|-------|-------------------------------------|-------|-------|------|-------|------|-------|-------------|
|           |       |       |       |       | N                       | N-W  | U(2)  | V    | R(3)  | SQ. | LGTH. | FN                                  | FN-FW | FU(2) | FV   | FR(3) | SQ.  | LGTH. |             |
| SC2113ATZ | 28.38 | 22.50 | 11.38 | 18.00 | 4.00                    | 3.75 | 1.875 | 3.50 | 1.591 | 500 | 2.50  | 3.50                                | 3.25  | 1.625 | 3.00 | 1.416 | .375 | 2.25  | 345         |
| MC2113ATZ | 29.62 | 23.75 | 12.62 | 18.00 | 4.00                    | 3.75 | 1.875 | 3.50 | 1.591 | 500 | 2.50  | 3.50                                | 3.25  | 1.625 | 3.00 | 1.416 | .375 | 2.25  | 370         |
| LC2113ATZ | 31.25 | 25.38 | 14.25 | 18.00 | 4.00                    | 3.75 | 1.875 | 3.50 | 1.591 | 500 | 2.50  | 3.50                                | 3.25  | 1.625 | 3.00 | 1.416 | .375 | 2.25  | 400         |
| SC2512ATZ | 31.69 | 25.06 | 12.06 | 20.00 | 4.50                    | 4.25 | 2.125 | 4.00 | 1.845 | 500 | 3.00  | 4.00                                | 3.75  | 1.875 | 3.50 | 1.591 | .500 | 2.50  | 535         |
| MC2512ATZ | 33.19 | 26.56 | 13.56 | 20.00 | 4.50                    | 4.25 | 2.125 | 4.00 | 1.845 | 500 | 3.00  | 4.00                                | 3.75  | 1.875 | 3.50 | 1.591 | .500 | 2.50  | 570         |
| LC2512ATZ | 34.69 | 28.06 | 15.06 | 20.00 | 4.50                    | 4.25 | 2.125 | 4.00 | 1.845 | 500 | 3.00  | 4.00                                | 3.75  | 1.875 | 3.50 | 1.591 | .500 | 2.50  | 610         |
| MC2812ATZ | 37.38 | 29.94 | 14.25 | 22.00 | 5.00                    | 4.75 | 2.375 | 4.50 | 2.021 | 625 | 3.50  | 4.50                                | 4.25  | 2.125 | 4.00 | 1.845 | .500 | 3.00  | 810         |
| LC2812ATZ | 39.62 | 32.19 | 16.50 | 22.00 | 5.00                    | 4.75 | 2.375 | 4.50 | 2.021 | 625 | 3.50  | 4.50                                | 4.25  | 2.125 | 4.00 | 1.845 | .500 | 3.00  | 885         |
| LC2813ATZ | 41.25 | 33.81 | 18.12 | 25.00 | 5.00                    | 4.75 | 2.375 | 4.50 | 2.021 | 625 | 3.50  | 4.50                                | 4.25  | 2.125 | 4.00 | 1.845 | .500 | 3.00  | 940         |



- (1) "D" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
  - (2) "U" AND "FU" VARY-----+.000 - .001.
  - (3) "R" AND "FR" VARY-----+.000 - .015.
  - (4) TERMINAL BOX VARIES WITH H.P. FOR DIMENSIONS "AA", "AB", "AC", "AF", "X" AND "Y". REFER TO BOX D/S. (STD. 609959-1, "X/P" 609959-2, MILL 609959-3)
  - (5) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
  - (6) MOTOR SHAFT TAPPED FOR SCREW-IN STUB SHAFT.
  - (7) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF OPP. DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.
  - (8) FOR HORIZONTAL APPLICATIONS ONLY.
- TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM. TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED. BLOWER ASSEMBLY CAN BE LOCATED AT POSITIONS 1, 2, OR 4. MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

BLOWER MOTOR

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

|                              |                              |                   |
|------------------------------|------------------------------|-------------------|
| REV. DESC: UPDATE FRAME SIZE |                              |                   |
| REV. LTR: A                  | VERSION: 01                  | TDR: 000000845571 |
| FILE: \RGG\00015\585         | REVISED: 10:46:47 03/25/2014 | BY: RGGWT         |
| MTL: -                       |                              |                   |

**BALDOR**

DIMENSION DRAWING, SC2113ATZ - C2813ATZ, DPP, FOOT MTL.

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