

# ABB BALDOR RELIANCE III

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## Customer information packet

### CD2015R-BV

15HP, 1750RPM, DC, 2113ATCZ, DPG-FV,

**Specifications**

|                                 |                         |
|---------------------------------|-------------------------|
| <b>Enclosure</b>                | DP                      |
| <b>Frame</b>                    | SC2113ATCZ              |
| <b>Frame Material</b>           | Steel                   |
| <b>Output Power</b>             | 15.000 HP               |
| <b>Agency Approvals</b>         | CCSA US                 |
| <b>Ambient Temperature</b>      | 40 °C                   |
| <b>Bearing Grease Type</b>      | Polyrex EM (-20F +300F) |
| <b>Drip Cover</b>               | No Drip Cover           |
| <b>Feedback Device</b>          | NO FEEDBACK             |
| <b>Field Winding Type</b>       | STR SHUNT               |
| <b>Frame Prefix</b>             | SC                      |
| <b>Heater Indicator</b>         | No Heater               |
| <b>Lifting Lugs</b>             | Standard Lifting Lugs   |
| <b>Motor Standards</b>          | NEMA                    |
| <b>Mounting Arrangement</b>     | F1                      |
| <b>Overall Length</b>           | 28.00 IN                |
| <b>Shaft Extension Location</b> | Pulley End              |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding      |
| <b>Shaft Slinger Indicator</b>  | No Slinger              |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | -          |
| <b>Type</b>         | DC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | G6207C B   |
| <b>Layout</b>       | 616002-023 |
| <b>Eff. date</b>    | 04-13-2015 |
| <b>CD Diagram</b>   | 406770-006 |
| <b>Poles</b>        | 00         |
| <b>Leads</b>        |            |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 04-09-2015 |

**Nameplate**

| 000613006HP       |             |             |            |            |      |       |      |    |  |
|-------------------|-------------|-------------|------------|------------|------|-------|------|----|--|
| CAT.NO.           | CD2015R-BV  | SPEC NO.    |            | T21T1384   |      |       |      |    |  |
| FR                | SC 2113ATCZ | HP          | 15         |            | DUTY |       | CONT |    |  |
| ENCL.             | DP          | RPM         | 1750/ 2300 |            |      | S.F.  | 1.0  |    |  |
| ENCL MOD          | FORCE VENT  | VOLTS       |            | 240        |      | INSUL |      | F  |  |
| MAX SAFE SPEED    | 4500        | AMPS        |            | 56.00      |      | AMB.  |      | 40 |  |
| FIELD DATA        |             | SER.NO.     |            |            |      |       |      |    |  |
| WINDING           | STR SHUNT   | POWER CODE  |            | C          |      |       |      |    |  |
| VOLTS             | 150         | D.E. BRG.   |            | 50BC03J30X |      |       |      |    |  |
| MAX AMPS @ 25 C   | 4.73        | O.D.E. BRG. |            | 45BC02J30X |      |       |      |    |  |
| HOT AMPS          | 3.41/ 2.24  | MIN. AMB.   |            | 0          |      | TYPE  |      | TR |  |
| BRUSH:419904051AD |             |             |            |            |      |       |      |    |  |

**Parts List**

| Part number  | Description                              | Quantity |
|--------------|------------------------------------------|----------|
| SA297115     | SA T21T1384                              | 1.000 ea |
| AA016154     | AA T21T1384                              | 1.000 ea |
| 000613006HP  | NAMEPLATE - RPM III D-C MOTOR W/CSA LOGO | 1.000 ea |
| 000692000FP  | NP, WARNING LIFT INSTRUCTIONS            | 1.000 ea |
| 000692000FS  | WARNING LABEL                            | 1.000 ea |
| 033775004EA  | DRSCR #6-1/4 304 S.S.                    | 6.000 ea |
| 406770006    | C/D TAG STRAIGHT SHUNT                   | 1.000 ea |
| 036000012HB  | HHCS M6X12MM LONG PLATED                 | 4.000 ea |
| 036000020KB  | MHHCS M10-1.5X20MM PLTD.                 | 4.000 ea |
| 036501008AB  | KPNUT M6-1.0 ZINCPLTED                   | 8.000 ea |
| 036610010AB  | MHSLW M10 PLATED                         | 4.000 ea |
| 419904-51AD  | BRUSH C                                  | 4.000 ea |
| 419905003A   | FLAT WASHER ROCKER RPM III RGG           | 4.000 ea |
| 419905008A   | HARDWARE                                 | 8.000 ea |
| 706364051RBA | BRHLD METRIC SPRING CHG.                 | 4.000 ea |
| 706372001B   | ROCKR METRIC                             | 1.000 ea |
| 034693001AB  | PPLG - G508- use 034692001AB             | 1.000 ea |
| 034693001AB  | PPLG - G508- use 034692001AB             | 1.000 ea |
| 035000001A   | ALFTG 1/8" 1610-BL                       | 1.000 ea |
| 035000001BB  | GREASE FTG,GRS.IN                        | 1.000 ea |
| 036000055JB  | HHCS,DE CAP                              | 2.000 ea |
| 036000075KB  | HHCS M10 75MM ZINCPLAT                   | 3.000 ea |
| 036500010AB  | METRIC NUT M10-1.5PLTD400                | 4.000 ea |
| 036500010AB  | METRIC NUT M10-1.5PLTD400                | 4.000 ea |
| 406055001B   | GRFTG                                    | 1.000 ea |
| 406055001B   | GRFTG                                    | 1.000 ea |
| 400638001H   | SPRING WASHER (Customer number 43699)    | 1.000 ea |
| 418150003A   | GREASE FITTING CAP                       | 2.000 ea |
| 609830005M   | TBOLT METRIC RP609830-                   | 4.000 ea |
| 801924102A   | BRKT,ODE,C210                            | 1.000 ea |
| 801925104A   | BRKT,DE,C210                             | 1.000 ea |

|             |                                          |          |
|-------------|------------------------------------------|----------|
| 000613006NT | NAME PLATE IEC                           | 1.000 ea |
| 032018004CK | HHCS 3/8-16X1/2L PLATED                  | 4.000 ea |
| 032018006CK | HHCS 3/8-16X3/4L PLATED 411409           | 4.000 ea |
| 034017014AB | LCKW 3/8 STD. PLATED                     | 4.000 ea |
| 036000012HB | HHCS M6X12MM LONG PLATED                 | 2.000 ea |
| 036000012JB | M8-1.25 X 12MM HXHDC                     | 3.000 ea |
| 036000020JB | HHCS M8-1.25X20L PLTD-250                | 4.000 ea |
| 036000045JB | M8-1.25 X 45MM HXHCS                     | 4.000 ea |
| 036600009AB | METRIC FLWASH M8 PLATED                  | 3.000 ea |
| 036620009AB | M8 EXTERNAL LK WASHER                    | 1.000 ea |
| 065564000B  | GASK 250-280                             | 1.000 ea |
| 075453000A  | CBOXC, PAINTED 250-280                   | 1.000 ea |
| 410978010C  | FLANGE, INLET BLOWER HSG.                | 1.000 ea |
| 410978019A  | SCREEN, INLET FLANGE                     | 1.000 ea |
| 417733001D  | GASKT                                    | 2.000 ea |
| 418010006A  | CAST,MPLATE,180-280,EX1,7BY              | 1.000 ea |
| 418018074A  | GROUND LABEL G100 METRIC 160 D.C.        | 1.000 ea |
| 422919001   | CVRKT BE SOLID C210                      | 1.000 ea |
| 422919003   | HHCVR KIT,C210,DE,LOUVERED               | 1.000 ea |
| 422919003   | HHCVR KIT,C210,DE,LOUVERED               | 1.000 ea |
| 422919012   | HHCVR KIT,C210,ODE,SOLID                 | 1.000 ea |
| 422919012   | HHCVR KIT,C210,ODE,SOLID                 | 1.000 ea |
| 422919012   | HHCVR KIT,C210,ODE,SOLID                 | 1.000 ea |
| 610490001AH | .75HP,3450//2850RPM,3PH,60//50HZ,56C,351 | 1.000 ea |
| 611917002A  | GASKT                                    | 1.000 ea |
| 611965001A  | WHEEL, BLOWER                            | 1.000 ea |
| 706305026A  | GUARD,SHAFT                              | 1.000 ea |
| 706320005A  | CONDUIT BOX                              | 1.000 ea |
| 708528004G  | HOUSING, BLOWER                          | 1.000 ea |
| 000640000P  | TAG WINDING THERMOST                     | 1.000 ea |
| 000692000NG | LABEL ;NP 4POLE METRIC LABEL             | 1.000 ea |
| 034180019EA | KEY 5/16X5/16X2-3/8L                     | 1.000 ea |
| 418018116   | WARNING PLATE                            | 1.000 ea |

616002-023

INDUSTRIAL DIRECT CURRENT MOTORS  
AND GENERATORS - RPM III

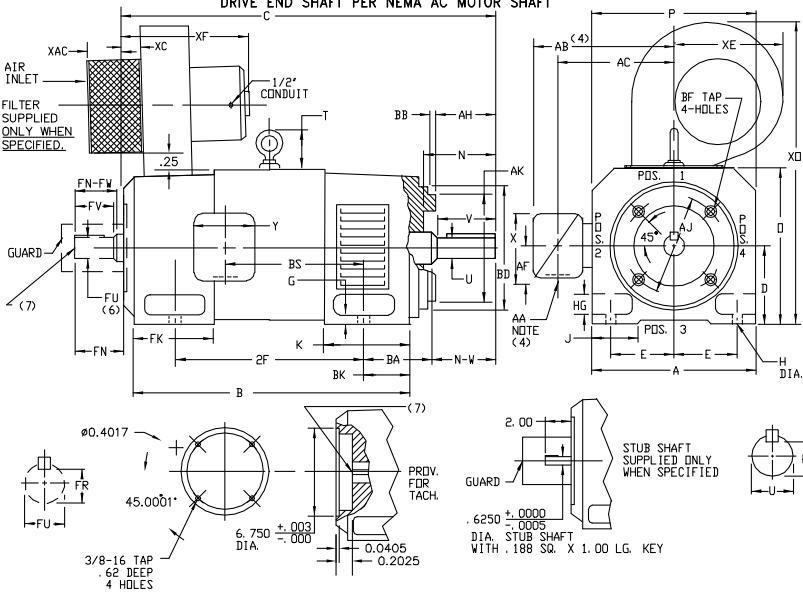
ENCLOSURE: DRIP-PROOF FULLY-GUARDED,  
SPLASHPROOF  
MOUNTING: FOOT, NEMA "C" FACE

COOLING: FORCE VENTILATED  
WITH INTEGRAL  
BLOWER AND MOTOR

METHOD OF DRIVE: COUPLED OR BELTED

ACCESSORIES: PROVISIONS FOR  
TACHOMETER MOUNTING  
ONLY WHEN SPECIFIED

FRAMES SC2113ATCZ THRU LC2115ATCZ  
DRIVE END SHAFT PER NEMA AC MOTOR SHAFT



| DIMENSIONS ARE IN INCHES |       |      |      |     |     |      |      |       |       |      |      |      |      |      |  |  |  |
|--------------------------|-------|------|------|-----|-----|------|------|-------|-------|------|------|------|------|------|--|--|--|
| FRAME                    | A     | D(1) | E    | G   | H   | HG   | J    | O     | P     | T    | BA   | K    | FK   | BK   |  |  |  |
| SC2113ATCZ-LC2115ATCZ    | 10.25 | 5.25 | 4.25 | .44 | .44 | 1.38 | 1.75 | 10.44 | 10.31 | 2.08 | 3.50 | 5.19 | 6.81 | 2.38 |  |  |  |

| DIMENSIONS ARE IN INCHES |       |       |       |       |      |      |        |      |      |       |      |      |      |       |       |      |       |
|--------------------------|-------|-------|-------|-------|------|------|--------|------|------|-------|------|------|------|-------|-------|------|-------|
| FRAME                    | C(8)  | B     | BS    | 2F    | N    | N-W  | U(2)   | AH   | V    | R(3)  | SO   | LGTH | FN   | FN-FW | FU(2) | FV   | FR(3) |
| SC2113ATCZ               | 28.00 | 22.50 | 11.38 | 18.00 | 3.62 | 3.38 | 1.3750 | 3.12 | 3.12 | 1.201 | .312 | 2.38 | 3.50 | 3.25  | 1.625 | 3.00 | 1.416 |
| MC2113ATCZ               | 29.25 | 23.75 | 12.62 | 18.00 | 3.62 | 3.38 | 1.3750 | 3.12 | 3.12 | 1.201 | .312 | 2.38 | 3.50 | 3.25  | 1.625 | 3.00 | 1.416 |
| LC2113ATCZ               | 30.88 | 25.38 | 14.25 | 18.00 | 3.62 | 3.38 | 1.3750 | 3.12 | 3.12 | 1.201 | .312 | 2.38 | 3.50 | 3.25  | 1.625 | 3.00 | 1.416 |
| MC2115ATCZ               | 32.12 | 26.62 | 15.50 | 22.00 | 3.62 | 3.38 | 1.3750 | 3.12 | 3.12 | 1.201 | .312 | 2.38 | 3.50 | 3.25  | 1.625 | 3.00 | 1.416 |
| LC2115ATCZ               | 34.88 | 29.38 | 18.25 | 22.00 | 3.62 | 3.38 | 1.3750 | 3.12 | 3.12 | 1.201 | .312 | 2.38 | 3.50 | 3.25  | 1.625 | 3.00 | 1.416 |

| FRAME                 | BB  | BD   | BF TAP | BF TAP | AJ   | AK(5) |
|-----------------------|-----|------|--------|--------|------|-------|
| SC2113ATCZ-LC2115ATCZ | .25 | 8.75 | 1/2-13 | .75    | 7.25 | 8.500 |

| FRAME                 | XAC  | XC   | XE    | XF    | XO    |
|-----------------------|------|------|-------|-------|-------|
| SC2113ATCZ-LC2115ATCZ | 7.75 | 2.25 | 10.00 | 16.00 | 22.75 |

- (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-.0005 UP TO 1.625 DIA-----+.001 1.625 DIA AND LARGER  
(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) "AK" VARIES +.000, -.003-----FACE RUNDOUT AND ECCENTRICITY .004 MAX T. I. R.  
(6) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.  
(7) MOTOR SHAFT TAPPED FOR SCREW-IN STUD SHAFT.  
(8) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DPP, DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.  
TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.  
TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, W-1, W-5, V-7, OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.  
BLOWER ASSEMBLY CAN BE LOCATED AT POSITIONS 1, 2, OR 4, EXCEPT BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION.  
MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

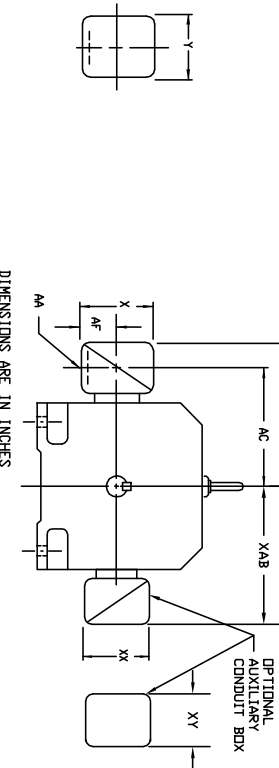
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

|                          |                      |                             |
|--------------------------|----------------------|-----------------------------|
| REV. DESC: LOADED TO BUS | VERSION: 00          | TDR: 000000578087           |
| REV. LTR: -              | FILE: \RGG\00015\950 | REVISD: 08:46:01 01/28/2011 |
| MTL: -                   | BY: CONNAS           |                             |

|                                                           |
|-----------------------------------------------------------|
| <b>BALDOR</b>                                             |
| DIMENSION DRAWING, SC2113ATCZ - LC2115ATCZ, DPP, FOOT MTG |
| SH 1 of 1                                                 |

616002-023

609959-001

INDUSTRIAL DIRECT CURRENT MOTORS  
AND GENERATORS - RPM III  
TERMINAL BOX DIMENSIONS  
STANDARD SIZE AND ONE SIZE LARGER  
FRAMES C2113ATZ THRU C2815ATZ

DIMENSIONS ARE IN INCHES

| STEEL TERMINAL BOX DIMENSIONS |           |               |       |       |      |        |                 |             |               |       |        |      |       |       |             |
|-------------------------------|-----------|---------------|-------|-------|------|--------|-----------------|-------------|---------------|-------|--------|------|-------|-------|-------------|
| FRAME SIZE                    | MAX. AMPS | STANDARD SIZE |       |       |      |        | ONE SIZE LARGER |             |               |       |        |      |       |       |             |
|                               |           | AB            | AC    | AF    | Y    | NUMBER | AA(1)           | AB          | AC            | AF    | NUMBER |      |       |       |             |
| C2113ATZ                      | 40        | 3/4 & 1"      | 8.97  | 7.47  | 1.94 | 4.38   | 5.00            | 7.05028-1-R | 1-1/4 & 1-1/2 | 10.03 | 8.03   | 2.50 | 5.50  | 6.12  | 7.05029-1-R |
| C2115ATZ                      | 96        | 1-1/4 & 1-1/2 | 10.03 | 8.03  | 2.50 | 5.50   | 6.12            | 7.05029-1-R | 2" & 2-1/2    | 11.16 | 8.41   | 3.19 | 7.00  | 7.62  | 7.05030-1-R |
| (2)                           | 208       | 2" & 2-1/2    | 11.16 | 8.41  | 3.19 | 7.00   | 7.62            | 7.05030-1-R | 2" & 2-1/2    | 11.16 | 8.41   | 3.19 | 7.00  | 7.62  | 7.05030-1-R |
| C2514ATZ                      | 40        | 3/4 & 1"      | 10.03 | 8.53  | 1.94 | 4.38   | 5.00            | 7.05028-1-R | 1-1/4 & 1-1/2 | 11.09 | 9.09   | 2.50 | 5.50  | 6.12  | 7.05029-1-R |
| C2514ATZ                      | 96        | 1-1/4 & 1-1/2 | 11.09 | 9.09  | 2.50 | 5.50   | 6.12            | 7.05029-1-R | 2" & 2-1/2    | 12.22 | 9.47   | 3.19 | 7.00  | 7.62  | 7.05030-1-R |
| (2)                           | 208       | 2" & 2-1/2    | 12.22 | 9.47  | 3.19 | 7.00   | 7.62            | 7.05030-1-R | 2" & 2-1/2    | 12.22 | 9.47   | 3.19 | 7.00  | 7.62  | 7.05030-1-R |
| C2815ATZ                      | 155       | 3"            | 14.03 | 10.53 | 4.25 | 8.44   | 7.25            | 7.0674-1-R  | 3"            | 14.47 | 11.22  | 4.25 | 8.44  | 7.25  | 7.0674-2-R  |
| C2815ATZ                      | 185       | 3"            | 14.47 | 11.22 | 4.25 | 8.44   | 7.25            | 7.0674-2-R  | 3"            | 15.91 | 11.84  | 5.38 | 10.56 | 9.00  | 7.06306-3-R |
| C2815ATZ                      | 259       | 4"            | 15.91 | 11.84 | 5.38 | 10.56  | 9.00            | 7.06308-3-R | 5" (4)        | 18.72 | 13.47  | 7.00 | 12.75 | 15.00 | 7.06355-1-C |

| CAST IRON TERMINAL BOX DIMENSIONS |           |               |       |       |      |      |                 |            |        |       |       |      |       |       |            |
|-----------------------------------|-----------|---------------|-------|-------|------|------|-----------------|------------|--------|-------|-------|------|-------|-------|------------|
| FRAME SIZE                        | MAX. AMPS | STANDARD SIZE |       |       |      |      | ONE SIZE LARGER |            |        |       |       |      |       |       |            |
|                                   |           | AK(3)         | AB    | AC    | AF   | X    | Y               | NUMBER     | AK(3)  | AB    | AC    | AF   | X     | Y     | NUMBER     |
| C2113ATZ                          | 18        | 3/4           | 10.03 | 8.03  | 2.50 | 5.00 | 5.75            | 705028-2-S | 1"     | 10.03 | 8.03  | 2.50 | 5.00  | 5.75  | 705028-2-T |
| C2115ATZ                          | 40        | 1"            | 10.03 | 8.03  | 2.50 | 5.00 | 5.75            | 705028-2-T | 1-1/2  | 10.97 | 8.53  | 3.00 | 6.00  | 7.00  | 705029-2-R |
| C2115ATZ                          | 96        | 1-1/2         | 10.97 | 8.53  | 3.00 | 6.00 | 7.00            | 705029-2-R | 2"     | 10.97 | 8.53  | 3.00 | 6.00  | 7.00  | 705029-2-S |
| C2514ATZ                          | 208       | 2"            | 10.97 | 8.53  | 3.00 | 6.00 | 7.00            | 705029-2-S | 2-1/2  | 12.66 | 8.91  | 3.62 | 7.88  | 9.25  | 705029-2-R |
| C2514ATZ                          | 18        | 3/4           | 11.09 | 9.09  | 2.50 | 5.00 | 5.75            | 705028-2-S | 1"     | 11.09 | 9.09  | 2.50 | 5.00  | 5.75  | 705028-2-T |
| C2514ATZ                          | 40        | 1"            | 11.09 | 9.09  | 2.50 | 5.00 | 5.75            | 705028-2-T | 1-1/2  | 12.03 | 9.59  | 3.00 | 6.00  | 7.00  | 705029-2-R |
| C2514ATZ                          | 96        | 1-1/2         | 12.03 | 9.59  | 3.00 | 6.00 | 7.00            | 705029-2-R | 2"     | 12.03 | 9.59  | 3.00 | 6.00  | 7.00  | 705029-2-S |
| C2514ATZ                          | 208       | 2"            | 12.03 | 9.59  | 3.00 | 6.00 | 7.00            | 705029-2-S | 2-1/2  | 13.72 | 9.97  | 3.62 | 7.88  | 9.25  | 706029-2-R |
| C2813ATZ                          | 155       | 3"            | 12.78 | 10.34 | 3.00 | 6.00 | 7.00            | 75460-T    | 3"     | 14.47 | 10.72 | 3.62 | 7.88  | 9.25  | 76700-8R   |
| C2813ATZ                          | 185       | 3"            | 14.47 | 10.72 | 3.62 | 7.88 | 9.25            | 76700-8R   | 4"     | 15.78 | 11.59 | 4.12 | 9.50  | 10.50 | 76700-8R   |
| C2815ATZ                          | 259       | 4"            | 15.78 | 11.59 | 4.12 | 9.50 | 10.50           | 76700-8R   | 5" (4) | 18.59 | 13.34 | 4.75 | 10.50 | 11.50 | 76870-S    |

| CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX) |      |       |       |      |       |    |       |                            |                            |
|------------------------------------------------------------|------|-------|-------|------|-------|----|-------|----------------------------|----------------------------|
| STANDARD SIZE                                              |      |       |       |      |       |    |       |                            |                            |
| FRAME SIZE                                                 | AMPS | AB    | AC    | AF   | X     | AA | Y     | PART NUMBER                | PART NUMBER                |
| C210                                                       | 100  | 10.71 | 8.98  | 2.72 | 7.48  | -- | 7.48  | 7.06310-56-A               | 7.06310-225-R              |
|                                                            | 200  | 11.66 | 9.25  | 3.35 | 8.82  | -- | 8.82  | 7.06310-56-B               | 7.06310-225-R              |
|                                                            | 100  | 11.30 | 9.57  | 2.72 | 7.48  | -- | 7.48  | 7.06310-56-A               | 7.06310-225-R              |
| C250                                                       | 200  | 11.85 | 9.84  | 3.35 | 8.82  | -- | 8.82  | 7.06310-56-B               | 7.06310-225-R              |
|                                                            | 400  | 17.48 | 12.75 | 6.20 | 14.39 | -- | 14.39 | 7.06310-63-B & 7.06310-63G | 7.06310-63-B & 7.06310-63G |
|                                                            | 800  | 17.48 | 12.75 | 6.20 | 14.39 | -- | 14.39 | 7.06310-63-B & 7.06310-63G | 7.06310-63-B & 7.06310-63G |
|                                                            | 200  | 12.60 | 10.59 | 3.76 | 8.82  | -- | 8.82  | 7.06310-56-B               | 7.06310-225-R              |
| C280                                                       | 400  | 18.27 | 13.54 | 6.20 | 14.39 | -- | 14.39 | 7.06310-63-B & 7.06310-63G | 7.06310-63-B & 7.06310-63G |
|                                                            | 800  | 18.27 | 13.54 | 6.20 | 14.39 | -- | 14.39 | 7.06310-63-B & 7.06310-63G | 7.06310-63-B & 7.06310-63G |
|                                                            | 1600 | 18.27 | 13.54 | 7.68 | 15.35 | -- | 15.35 | 7.06310-63-C               | 7.06310-63-C               |

| OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM) |      |      |             |            |       |      |             |  |  |  |  |
|-----------------------------------------------------|------|------|-------------|------------|-------|------|-------------|--|--|--|--|
| FRAME SIZE                                          | XAB  | XY   | PART NUMBER | FRAME SIZE | XAB   | XY   | PART NUMBER |  |  |  |  |
| C210                                                | 7.38 | 4.25 | 602007-26-A | C210       | 10.88 | 8.00 | 706310-3-B  |  |  |  |  |
| C250                                                | 8.44 | 4.25 | 602007-26-A | C250       | 11.88 | 8.00 | 706310-3-B  |  |  |  |  |
| C280                                                | 9.12 | 4.25 | 602007-26-A | C280       | 12.62 | 8.00 | 706310-3-B  |  |  |  |  |

(1) MAX CONDUIT  
(2) FRAMES PROVIDED WITH DOUBLE KNUCKLE  
(3) MAX PIPE LAP

(4) TERMINAL BOX 76870-S AND 76870-98 EXTENDS BELOW MOTOR FEET  
TERMINAL BOX 76870-S AND 76870-98 EXTENDS BELOW MOTOR FEET  
DR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.  
FOR "X"/"Y" TERMINAL BOX DIMENSIONS SEE 609959-2  
FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609959-3

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

REV. DESC: ADD 706310-63G C/BOX TO C250 AND C280 FRAMES

REV. LTR: A

VERSION: 01

TDR: 000000816512

FILE: \RGG\00021\153

REVISED: 03: 09: 09 09/06/2013

MTL: -

BY: RGGWT

BALDOR

DIMENSION SHEET

SH 1 of 1

609959-001

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| 406770-006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                                                                                                | 406770-006 |  |                               |
| <div>CONNECTION DIAGRAM<br/>D-C MOTOR - STRAIGHT SHUNT</div> <div><div><div><div><div>W1</div><div>&lt;NOTE 6&gt;</div></div><div><div>H1</div><div>H2</div></div></div><div><div><div>SHUNT FIELD</div><div>ARMATURE</div><div>INTER-COIL</div></div><div><div>F1 A1</div><div>AX2</div><div>A2 F2</div></div></div><div><div>&lt;NOTE 3&gt;</div><div>&lt;CAUTION-SEE NOTE 1&gt;</div><div>&lt;NOTE 4&gt;</div></div></div><div><div>THREE WIRE RTD</div><div><div>TD1</div><div>TD2</div><div>TD3</div></div><div>&lt;NOTE 5&gt;</div></div></div> <div><div>ARMATURE AND FIELD EXTERNAL CONNECTIONS</div><div>WARNING- SEE NOTE 7 FOR GROUNDING INSTRUCTIONS</div><div><div><div>A1</div><div>A2</div><div>F1</div><div>F2</div></div><div><div>-</div><div>+</div><div>-</div><div>+</div></div><div>CCW ROTATION</div></div><div><div>ROTATION FACING COMMUTATOR END</div><div><div><div>A1</div><div>A2</div><div>F1</div><div>F2</div></div><div><div>-</div><div>+</div><div>+</div><div>-</div></div><div>CW ROTATION</div></div></div></div> <div><div>1. CAUTION — ARMATURE MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.</div><div>2. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.</div><div>3. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.</div><div>4. THERMAL PROTECTOR, WHEN PROVIDED, WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.</div><div>5. WINDING RTD'S, WHEN PROVIDED, WILL HAVE LEADS MARKED TD1, TD2, &amp; TD3.</div><div>6. BRUSH WEAR SENSOR, WHEN PROVIDED, WILL HAVE LEAD MARKED W1.</div><div>7. WARNING — MOTOR MUST BE GROUNDED TO PREVENT SERIOUS INJURIES TO PERSONNEL. GROUND THE MOTOR PER IEC, NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL ELECTRICAL CODES. A TAPPED HOLE IS PROVIDED IN THE CONDUIT BOX, ON THE FOOT. FRAME BRACE OR OPPOSITE OPPOSITE DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.</div></div> <div><div>CUSTOMER _____</div><div>CUSTOMER ORDER NO. _____</div><div>RELIANCE S.D. NO. _____</div></div> |             |                                                                                                |            |  |                               |
| REV. DESC: UPDATE LOGO AND TITLEBLOCK: LOADED TO BUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             | <div>BALDOR</div> <div>D-C MOTOR CONNECTION DIAGRAM, STRAIGHT SHUNT</div> <div>SH 1 of 1</div> |            |  |                               |
| REV. LTR: -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VERSION: 00 |                                                                                                |            |  | TDR: 000000781086             |
| FILE: \RSN\00026\515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                                                                                |            |  | REVISED: 02: 41:08 02/01/2013 |
| MTL: -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                                                                                                |            |  | BY: MGHPC                     |