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# Customer information packet

## D5040RS-BV

40HP, 1750RPM, DC, 2512ATZ, DPG-FV,

## Specifications

|                          |                         |
|--------------------------|-------------------------|
| Enclosure                | DP                      |
| Frame                    | MC2512ATZ               |
| Frame Material           | Steel                   |
| Output Power             | 40.000 HP               |
| Agency Approvals         | CCSA US                 |
| Ambient Temperature      | 40 °C                   |
| Bearing Grease Type      | Polyrex EM (-20F +300F) |
| Drip Cover               | No Drip Cover           |
| Feedback Device          | NO FEEDBACK             |
| Field Winding Type       | STAB SHUNT              |
| Frame Prefix             | MC                      |
| Heater Indicator         | No Heater               |
| Lifting Lugs             | Standard Lifting Lugs   |
| Motor Standards          | NEMA                    |
| Mounting Arrangement     | F2                      |
| Overall Length           | 33.19 IN                |
| Shaft Extension Location | Pulley End              |
| Shaft Ground Indicator   | No Shaft Grounding      |
| Shaft Slinger Indicator  | No Slinger              |

## Part detail

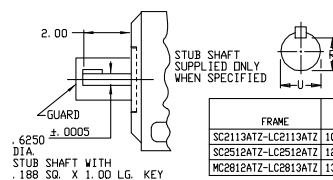
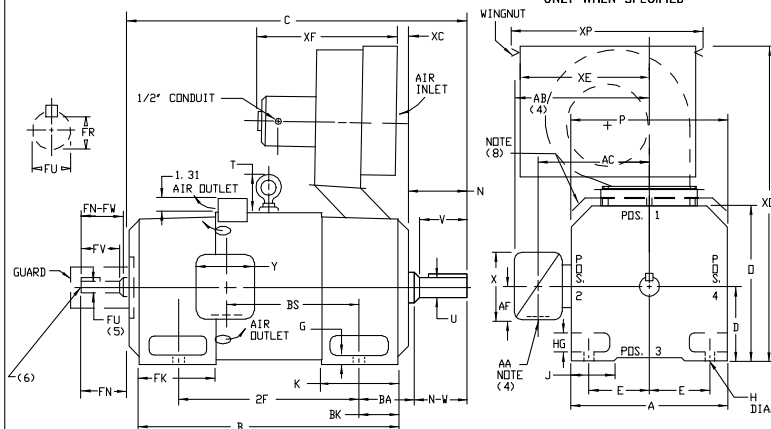
|              |            |
|--------------|------------|
| Revision     | -          |
| Type         | DC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | G6366D B   |
| Layout       | 609952-096 |
| Eff. date    | 04-13-2015 |
| CD Diagram   | 406770-001 |
| Poles        | 00         |
| Leads        |            |
| Proprietary  | False      |
| Created date | 04-09-2015 |

## Nameplate

| 000613006LP                    |            |             |            |            |      |       |      |    |  |
|--------------------------------|------------|-------------|------------|------------|------|-------|------|----|--|
| CAT.NO.                        | D5040RS-BV | SPEC NO.    |            | T25T1344   |      |       |      |    |  |
| FR                             | MC 2512ATZ | HP          | 40         |            | DUTY |       | CONT |    |  |
| ENCL.                          | DP         | RPM         | 1750/ 2300 |            | S.F. |       | 1.0  |    |  |
| ENCL MOD                       | FORCE VENT | VOLTS       |            | 500        |      | INSUL |      | F  |  |
| MAX SAFE SPEED                 | 4500       | AMPS        |            | 68.50      |      | AMB.  |      | 40 |  |
| FIELD DATA                     |            | SER.NO.     |            |            |      |       |      |    |  |
| WINDING                        | STAB SHUNT | POWER CODE  |            | C          |      |       |      |    |  |
| VOLTS                          | 300        | D.E. BRG.   |            | 60BC03J30X |      |       |      |    |  |
| MAX AMPS @ 25 C                | 2.88       | O.D.E. BRG. |            | 50BC02J30X |      |       |      |    |  |
| HOT AMPS                       | 2.08/ 1.31 | MIN. AMB.   |            | 0          |      | TYPE  |      | TR |  |
| BRUSH:419904051AC; AIR BAFFLED |            |             |            |            |      |       |      |    |  |
|                                |            |             |            |            |      |       |      |    |  |

609952-096

# INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

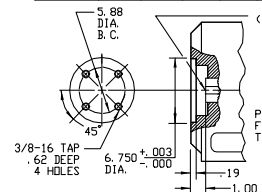
ENCLOSURE: DRIP-PROOF FULLY-GUARDED,  
SPLASHPROOFCOOLING: FORCE VENTILATED  
WITH INTEGRAL BLOWER AND MOTOR  
AIR FILTERED-SPECIAL BAFFLEMOUNTING: FOOT  
METHOD OF DRIVE: COUPLED OR BELTED  
FRAMES SC2113ATZ THRU C2813ATZACCESSORIES: PROVISION FOR  
TACHOMETER MOUNTING  
ONLY WHEN SPECIFIED

DIMENSIONS ARE IN INCHES

| FRAME               | XC   | XE    | XF    | XD    | 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    | D     | 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    | N    | N-W  | UK(2) | V    | R(3)  | SA  | LGTH. | FN   | FN-FW | FK(2) | FV   | FR(3) | SQ.  | LGTH. | WT. |
|-----------|-------|-------|-------|-------|------|------|-------|------|-------|-----|-------|------|-------|-------|------|-------|------|-------|-----|
| 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) "B" 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 DPP, DRIVE END, ADD .25 TO "C" DIA. 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, V-4, V-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**

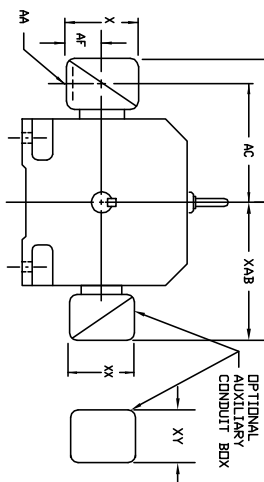
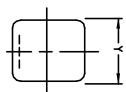
DIMENSION DRAWING, SC2113ATZ - C2813ATZ, DPP, FOOT MTG.

SH 1 of 1

609952-096

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 |       |       |      |       |      | PART NUMBER |  | ONE SIZE LARGER |       |       |      |       |       | PART NUMBER |  |
|                               |           | AK(1)         | AB    | AC    | AF   | X     | Y    |             |  | AK(1)           | AB    | AC    | AF   | X     | Y     |             |  |
| C2113ATZ                      | 40        | 3/4 & 1"      | 8.97  | 7.47  | 1.94 | 4.38  | 5.00 | 705028-1-R  |  | 1-1/4 & 1-1/2   | 10.03 | 8.03  | 2.50 | 5.50  | 6.12  | 705029-1-R  |  |
| C2115ATZ                      | 96        | 1-1/4 & 1-1/2 | 10.03 | 8.03  | 2.50 | 5.50  | 6.12 | 705029-1-R  |  | 2" & 2-1/2      | 11.16 | 8.41  | 3.19 | 7.00  | 7.62  | 705030-1-R  |  |
| C2115ATZ (2)                  | 208       | 2" & 2-1/2    | 11.16 | 8.41  | 3.19 | 7.00  | 7.62 | 705030-1-R  |  | 2" & 2-1/2      | 11.16 | 8.41  | 3.19 | 7.00  | 7.62  | 705030-1-R  |  |
| C2514ATZ                      | 40        | 3/4 & 1"      | 10.03 | 8.53  | 1.94 | 4.38  | 5.00 | 705028-1-R  |  | 1-1/4 & 1-1/2   | 11.09 | 9.09  | 2.50 | 5.50  | 6.12  | 705029-1-R  |  |
| C2514ATZ (2)                  | 96        | 1-1/4 & 1-1/2 | 11.09 | 9.09  | 2.50 | 5.50  | 6.12 | 705029-1-R  |  | 2" & 2-1/2      | 12.22 | 9.47  | 3.19 | 7.00  | 7.62  | 705030-1-R  |  |
| C2815ATZ                      | 208       | 2" & 2-1/2    | 12.22 | 9.47  | 3.19 | 7.00  | 7.62 | 705030-1-R  |  | 2" & 2-1/2      | 12.22 | 9.47  | 3.19 | 7.00  | 7.62  | 705030-1-R  |  |
| C2815ATZ (2)                  | 128       | 2"            | 14.03 | 10.53 | 4.23 | 8.44  | 7.23 | 74874-R     |  | 3"              | 14.47 | 11.22 | 4.23 | 8.44  | 7.23  | 74874-24-R  |  |
| C2815ATZ                      | 185       | 3"            | 14.47 | 11.22 | 4.23 | 8.44  | 7.23 | 74874-24-R  |  | 4"              | 15.91 | 11.84 | 5.38 | 10.56 | 9.00  | 706308-3-R  |  |
| C2815ATZ                      | 269       | 4"            | 15.91 | 11.84 | 5.38 | 10.56 | 9.00 | 706308-3-R  |  | 5" (4)          | 18.72 | 13.47 | 7.00 | 12.75 | 15.00 | 706308-1-C  |  |

| CAST IRON TERMINAL BOX DIMENSIONS |           |               |       |       |      |      |       |                 |        |       |       |      |       |       |
|-----------------------------------|-----------|---------------|-------|-------|------|------|-------|-----------------|--------|-------|-------|------|-------|-------|
| FRAME SIZE                        | MAX. AMPS | STANDARD SIZE |       |       |      |      |       | ONE SIZE LARGER |        |       |       |      |       |       |
|                                   |           | AK(3)         | AB    | AC    | AF   | X    | Y     | AK(3)           | AB     | AC    | AF    | X    | Y     |       |
| 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  |
| C2113ATZ                          | 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  |
| 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  |
| C2115ATZ                          | 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| C2813ATZ                          | 128       | 2"            | 12.78 | 10.34 | 3.00 | 6.00 | 7.00  | 75460-T         | 3"     | 14.47 | 10.72 | 3.62 | 7.88  | 9.25  |
| C2813ATZ                          | 195       | 3"            | 14.47 | 10.72 | 3.62 | 7.88 | 9.25  | 76700-R         | 4"     | 15.78 | 11.59 | 4.12 | 9.50  | 10.50 |
| C2815ATZ                          | 269       | 4"            | 15.78 | 11.59 | 4.12 | 9.50 | 10.50 | 76700-R         | 5" (4) | 18.59 | 13.34 | 7.00 | 12.75 | 15.00 |

CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX)

| STANDARD SIZE |      |       |       |      |       |    |       |                          |                          |                          |                          |
|---------------|------|-------|-------|------|-------|----|-------|--------------------------|--------------------------|--------------------------|--------------------------|
| FRAME SIZE    | AMPS | AB    | AC    | AF   | X     | AA | Y     | PART NUMBER              | PART NUMBER              | PART NUMBER              | PART NUMBER              |
| C210          | 100  | 10.71 | 8.98  | 2.72 | 7.48  | -- | 7.48  | 706310-56-A              | 706310-225-R             | 706310-225-R             | 706310-225-R             |
|               | 200  | 11.66 | 9.23  | 3.33 | 8.82  | -- | 8.82  | 706310-56-B              | 706310-226-R             | 706310-226-R             | 706310-226-R             |
|               | 100  | 11.30 | 9.57  | 2.72 | 7.48  | -- | 7.48  | 706310-56-A              | 706310-225-R             | 706310-225-R             | 706310-225-R             |
| C250          | 200  | 11.85 | 9.84  | 3.35 | 8.82  | -- | 8.82  | 706310-56-B              | 706310-226-R             | 706310-226-R             | 706310-226-R             |
|               | 400  | 17.48 | 12.75 | 6.20 | 14.39 | -- | 14.39 | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G |
|               | 800  | 17.48 | 12.75 | 6.20 | 14.39 | -- | 14.39 | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G |
|               | 200  | 12.60 | 10.59 | 3.76 | 8.82  | -- | 8.82  | 706310-56-B              | 706310-226-R             | 706310-226-R             | 706310-226-R             |
| C280          | 400  | 18.27 | 13.54 | 6.20 | 14.39 | -- | 14.39 | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G |
|               | 800  | 18.27 | 13.54 | 6.20 | 14.39 | -- | 14.39 | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G | 706310-63-B & 706310-63G |
|               | 1600 | 18.27 | 13.54 | 7.68 | 15.35 | -- | 15.35 | 706310-63-C              | 706310-63-C              | 706310-63-C              | 706310-63-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) 1/4" CONDUIT.  
(2) RACES PROVIDED WITH DOUBLE KNUCKLE.  
(3) 1/4" 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 IN TOP WHEN SPECIFIED.  
FOR "X"/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

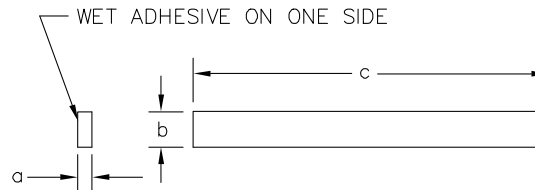
**BALDOR**

DIMENSION SHEET

SH 1 of 1

609959-001

065564-004



| SYM | MAKE FROM<br>065564-004 | a   | b   | c               | REMARKS                     |
|-----|-------------------------|-----|-----|-----------------|-----------------------------|
| A   | X                       | 1/8 | 5/8 | 24*             | TERMBX & CVR<br>180AT-250AT |
| B   | X                       | 1/8 | 5/8 | 37 1/2*         | TERMBX & CVR<br>280AT-320AT |
| C   | Y                       | 1/4 | 5/8 | 44 1/2 $\Delta$ | FILTER TO HOUSING<br>GASKET |
| D   | X                       | 1/8 | 5/8 | 170"            | TEAO HEAT EXCH.             |
| E   | Y                       | 1/4 | 5/8 | 72" $\Delta$    | TERMBX & CVR                |

| SYM | MAT'L SPEC | a   | b   | c                                    |
|-----|------------|-----|-----|--------------------------------------|
| X   | 46024-XV   | 1/8 | 5/8 | * 50' ROLL; WET ADHESIVE ON ONE SIDE |
| Y   | 46024-XV   | 1/4 | 5/8 | * 50' ROLL; WET ADHESIVE ON ONE SIDE |

$\Delta$  RELIANCE WILL CUT AND MOUNT ON FILTER HOUSING PER ASSEMBLY DRAWING 603989-2.

\* PROD. NOTE: WHEN ORDERING THRU PURCHASING ORDER AS 50 FT. ROLLS, WET ADHESIVE ON ONE SIDE. RELIANCE WILL CUT AND MOUNT ON COVER. PER INSTRUCTIONS ON COVER DRAWINGS.

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

|                                              |                              |                   |
|----------------------------------------------|------------------------------|-------------------|
| REV. DESC: CHANGE DESCRIPTION ON TITLE BLOCK |                              |                   |
| REV. LTR: C                                  | VERSION: 03                  | TDR: 000000571980 |
| FILE: \RGG\00000\220                         | REVISED: 10:54:04 12/16/2010 | BY: RGGWT         |
| MTL: -                                       |                              |                   |

**BALDOR**

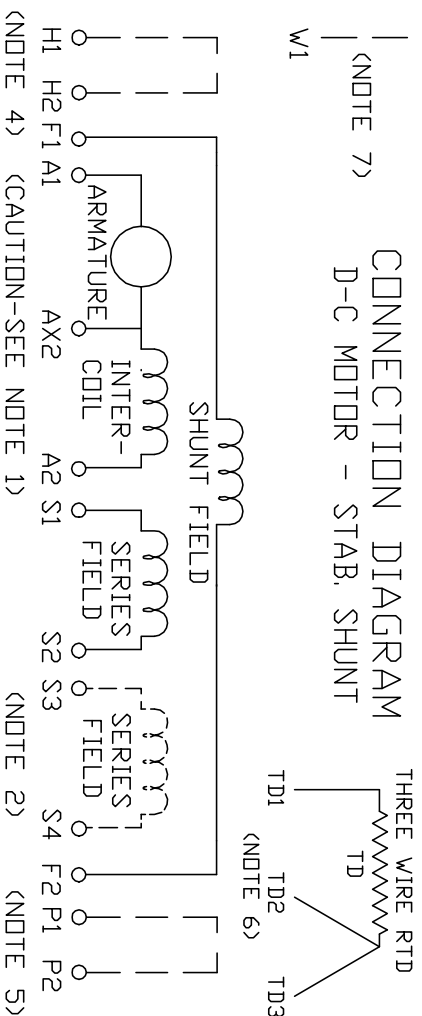
GASKET, STRIP, CLOSED CELL NEOPRENE

SH 1 of 1

065564-004

406770-001

# CONNECTION DIAGRAM D-C MOTOR - STAB. SHUNT



## ARMATURE AND FIELD EXTERNAL CONNECTIONS

WARNING- SEE NOTE 8 FOR GROUNDING INSTRUCTIONS



ROTATION FACING COMMUTATOR END

1. CAUTION — ARMATURE AND SERIES FIELD MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.
2. OPTIONAL SERIES FIELD IS MARKED S3 AND S4. FOR CUMULATIVE SERIES FIELD, CONNECT S3 TO S2 AND CONNECT S4 TO NEGATIVE. FOR DIFFERENTIAL SERIES FIELD CONNECT S4 TO S2 AND S3 TO NEGATIVE.
3. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.
4. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.
5. THERMAL PROTECTOR, WHEN PROVIDED, WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.
6. WINDING RTD'S, WHEN PROVIDED, WILL HAVE LEADS MARKED TD1, TD2, & TD3.
7. BRUSH WEAR SENSOR, WHEN PROVIDED, WILL HAVE LEAD MARKED W1.
8. 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 DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.

| CUSTOMER | CUSTOMER ORDER NO. | RELANCE S.D. NO. |
|----------|--------------------|------------------|
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# BALDOR

D-C MOTOR CONNECTION DIAGRAM STAB. SHUNT

SH 1 of 1

REV. DESC: DELETED DUPLICATE WORDS FROM NOTE 8

REV. LTR: A

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BY: RAGTBM

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