

# ABB BALDOR RELIANCE III

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## Customer information packet

### D50125P2-BV

0368AT, 125, 1750RPM, 500, 150, ,

**Specifications**

|                                 |                         |
|---------------------------------|-------------------------|
| <b>Enclosure</b>                | DPBV                    |
| <b>Frame</b>                    | 368AT                   |
| <b>Frame Material</b>           | Steel                   |
| <b>Output Power</b>             | 125.000 HP              |
| <b>Agency Approvals</b>         | CSA                     |
| <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>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>           | 38.13 IN                |
| <b>Shaft Extension Location</b> | Pulley End              |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding      |
| <b>Shaft Slinger Indicator</b>  | No Slinger              |

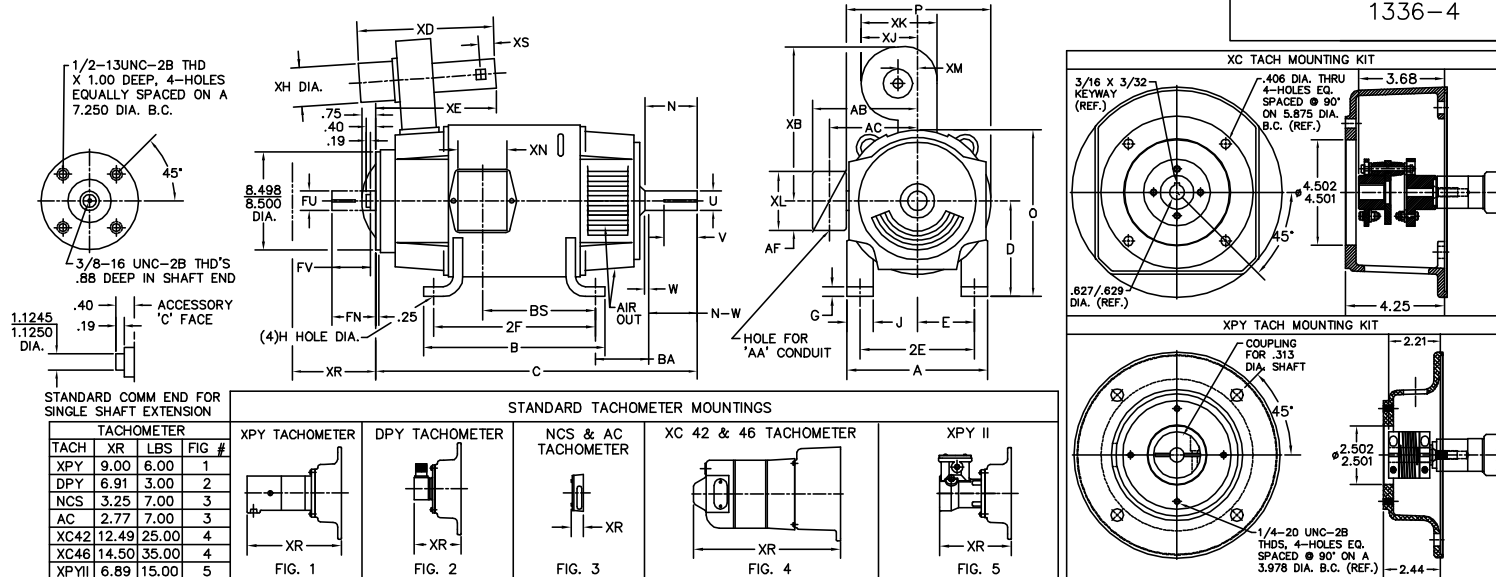
**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | C          |
| <b>Type</b>         | DC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | K0097A A   |
| <b>Layout</b>       | 1336-4     |
| <b>Eff. date</b>    | 10-09-2024 |
| <b>CD Diagram</b>   | 15209      |
| <b>Poles</b>        | 00         |
| <b>Leads</b>        |            |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 04-09-2015 |

**Nameplate**

| NP1734      |               |           |           |       |                     |       |        |            |     |
|-------------|---------------|-----------|-----------|-------|---------------------|-------|--------|------------|-----|
| CAT.NO.     |               |           |           | MODEL | T36R8009            |       |        |            |     |
| HP          | 125           | RPM       | 1750/2000 |       | FRAME               |       | 0368AT |            |     |
| ARM V       | 500           |           | ARM A     |       | 199.00              | WOUND |        | STR. SHUNT |     |
| FLD V       | 150/300       |           | FLD A     |       | 8.84-6.00/4.42-3.00 |       |        |            |     |
| CONN        |               |           | OHMS      |       |                     |       | CL     | F          |     |
| ENCL        | DPBV          |           | DUTY      |       | CONT                |       | MX AMB |            | 40  |
| P CODE      | D             |           | CTSR      |       |                     |       | SER.F. |            | 1.0 |
| S/N         |               |           |           | E/S   | K0097A A            |       |        |            |     |
|             | BRUSH:36024-3 |           |           |       |                     |       |        |            |     |
|             |               |           |           |       |                     |       |        |            |     |
| O.D.E. BRG. | 6211          | D.E. BRG. |           | 6213  | BRUSH               |       |        |            |     |
| QTY         |               |           |           |       |                     |       |        |            |     |

1336-4



|        | FOOT MOUNTING |      |       |     |      |      | D.E. SHAFT EXTENSION |      |       |                   |     | DRIVE KEY |          | ACC SHAFT EXTENSION |       |      | ACC KEY |          | FRAME |       |       |                   |       |       |
|--------|---------------|------|-------|-----|------|------|----------------------|------|-------|-------------------|-----|-----------|----------|---------------------|-------|------|---------|----------|-------|-------|-------|-------------------|-------|-------|
| FRAME  | BA            | E    | 2F    | G   | H    | J    | N                    | N-W  | U     | V                 | W   | KEY-SQ.   | KEY-LONG | FN                  | FU    | FV   | KEY-SQ. | KEY-LONG | A     | B     | C     | D                 | O     | P     |
| 327AT  | 5.25          | 6.25 | 14.00 | .81 | .656 | 3.00 | 4.40                 | 4.25 | 2.125 | 4.00 <sup>3</sup> | .15 | .500      | 3.12     | 3.94                | 1.875 | 3.69 | .500    | 2.81     | 15.88 | 15.75 | 32.75 | 8.00 <sup>2</sup> | 15.94 | 15.88 |
| 328AT  | 5.25          | 6.25 | 16.00 | .81 | .656 | 3.00 | 4.40                 | 4.25 | 2.125 | 4.00 <sup>3</sup> | .15 | .500      | 3.12     | 3.94                | 1.875 | 3.69 | .500    | 2.81     | 15.88 | 17.75 | 34.63 | 8.00 <sup>2</sup> | 15.94 | 15.88 |
| 329AT  | 5.25          | 6.25 | 18.00 | .81 | .656 | 3.00 | 4.40                 | 4.25 | 2.125 | 4.00 <sup>3</sup> | .15 | .500      | 3.12     | 3.94                | 1.875 | 3.69 | .500    | 2.81     | 15.88 | 19.75 | 36.63 | 8.00 <sup>2</sup> | 15.94 | 15.88 |
| 365AT  | 5.88          | 7.00 | 12.25 | .81 | .813 | 3.25 | 4.94                 | 4.75 | 2.375 | 4.50 <sup>3</sup> | .19 | .625      | 3.50     | 4.62                | 2.125 | 4.37 | .500    | 3.13     | 17.75 | 13.75 | 32.94 | 9.00 <sup>2</sup> | 17.94 | 17.88 |
| 366AT  | 5.88          | 7.00 | 14.00 | .81 | .813 | 3.25 | 4.94                 | 4.75 | 2.375 | 4.50 <sup>3</sup> | .19 | .625      | 3.50     | 4.62                | 2.125 | 4.37 | .500    | 3.13     | 17.75 | 15.50 | 35.13 | 9.00 <sup>2</sup> | 17.94 | 17.88 |
| 368AT  | 5.88          | 7.00 | 18.00 | .81 | .813 | 3.25 | 4.94                 | 4.75 | 2.375 | 4.50 <sup>3</sup> | .19 | .625      | 3.50     | 4.62                | 2.125 | 4.37 | .500    | 3.13     | 17.75 | 19.50 | 38.13 | 9.00 <sup>2</sup> | 17.94 | 17.88 |
| 3610AT | 5.88          | 7.00 | 22.00 | .81 | .813 | 3.25 | 4.94                 | 4.75 | 2.375 | 4.50 <sup>3</sup> | .19 | .625      | 3.50     | 4.62                | 2.125 | 4.37 | .500    | 3.13     | 17.75 | 23.50 | 41.45 | 9.00 <sup>2</sup> | 17.94 | 17.88 |
| 3612AT | 5.88          | 7.00 | 28.00 | .81 | .813 | 3.25 | 4.94                 | 4.75 | 2.375 | 4.50 <sup>3</sup> | .19 | .625      | 3.50     | 4.62                | 2.125 | 4.37 | .500    | 3.13     | 17.75 | 29.50 | 45.56 | 9.00 <sup>2</sup> | 17.94 | 17.88 |

| CONDUIT BOX |       |       |       |      |       |       |      | BLOWER |       |       |       |       |      |       |       |      |       | ARM APPROX. WK <sup>2</sup> LBS./FT. <sup>2</sup> | APPROXIMATE WEIGHT |
|-------------|-------|-------|-------|------|-------|-------|------|--------|-------|-------|-------|-------|------|-------|-------|------|-------|---------------------------------------------------|--------------------|
| FRAME       | AA    | AB    | AC    | AF   | BS    | XL    | XN   | SIZE   | XB    | XD    | XE    | XH    | XM   | XJ    | XK    | XS   |       |                                                   |                    |
| 327AT       | 2     | 12.94 | 10.32 | 5.00 | 11.81 | 7.88  | 5.25 | LM6    | 19.13 | 26.38 | 17.38 | 10.25 | 4.19 | 9.44  | 11.50 | 3.75 | 8.45  | 738 <sup>5</sup>                                  |                    |
| 328AT       | 2     | 12.94 | 10.32 | 5.00 | 13.68 | 7.88  | 5.25 | LM6    | 19.13 | 26.38 | 17.38 | 10.25 | 4.19 | 9.44  | 11.50 | 3.75 | 9.67  | 813 <sup>5</sup>                                  |                    |
| 329AT       | 2     | 12.94 | 10.32 | 5.00 | 15.68 | 7.88  | 5.25 | LM6    | 19.13 | 26.38 | 17.38 | 10.25 | 4.19 | 9.44  | 11.50 | 3.75 | 10.97 | 922 <sup>5</sup>                                  |                    |
| 365AT       | 2 1/2 | 14.06 | 11.38 | 5.00 | 9.06  | 7.88  | 5.25 | LM6    | 18.88 | 26.38 | 18.44 | 10.25 | 5.69 | 10.95 | 11.50 | 3.75 | 15.61 | 803 <sup>5</sup>                                  |                    |
| 366AT       | 2 1/2 | 14.06 | 11.38 | 5.00 | 11.25 | 7.88  | 5.25 | LM6    | 18.88 | 26.38 | 18.44 | 10.25 | 5.69 | 10.95 | 11.50 | 3.75 | 18.27 | 913 <sup>5</sup>                                  |                    |
| 368AT       | 2 1/2 | 14.06 | 11.38 | 5.00 | 14.25 | 7.88  | 5.25 | LM6    | 18.88 | 26.38 | 18.44 | 10.25 | 5.69 | 10.95 | 11.50 | 3.75 | 22.21 | 1073 <sup>5</sup>                                 |                    |
| 3610AT      | 3     | 16.86 | 13.09 | 6.53 | 18.25 | 11.63 | 7.76 | LM9    | 25.50 | 28.31 | 20.94 | 10.75 | 5.50 | 12.38 | 15.25 | 3.75 | 28.00 | 1109 <sup>5</sup>                                 |                    |
| 3612AT      | 3     | 16.86 | 13.09 | 6.53 | 24.25 | 11.63 | 7.76 | LM9    | 25.50 | 28.31 | 20.94 | 10.75 | 5.50 | 12.38 | 15.25 | 3.75 | 31.60 | 1145 <sup>5</sup>                                 |                    |

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005  
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010  
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.  
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) 'D' DIMENSION TOLERANCE +.000 - .080
- 3) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- 5) TOTAL WEIGHT OF MOTOR AND BLOWER LESS TACH WEIGHT.
- 6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX  
LOCATION SEE SALES ORDER

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

REV. DESC: REV. "D" DIM TO +.000 - .060 ONLY

REV. LTR: G

VERSION: 01

TDR: 000000752448

FILE: \RGG\00019\490

REVISED: 01:55:17 06/19/2012

MTL: -

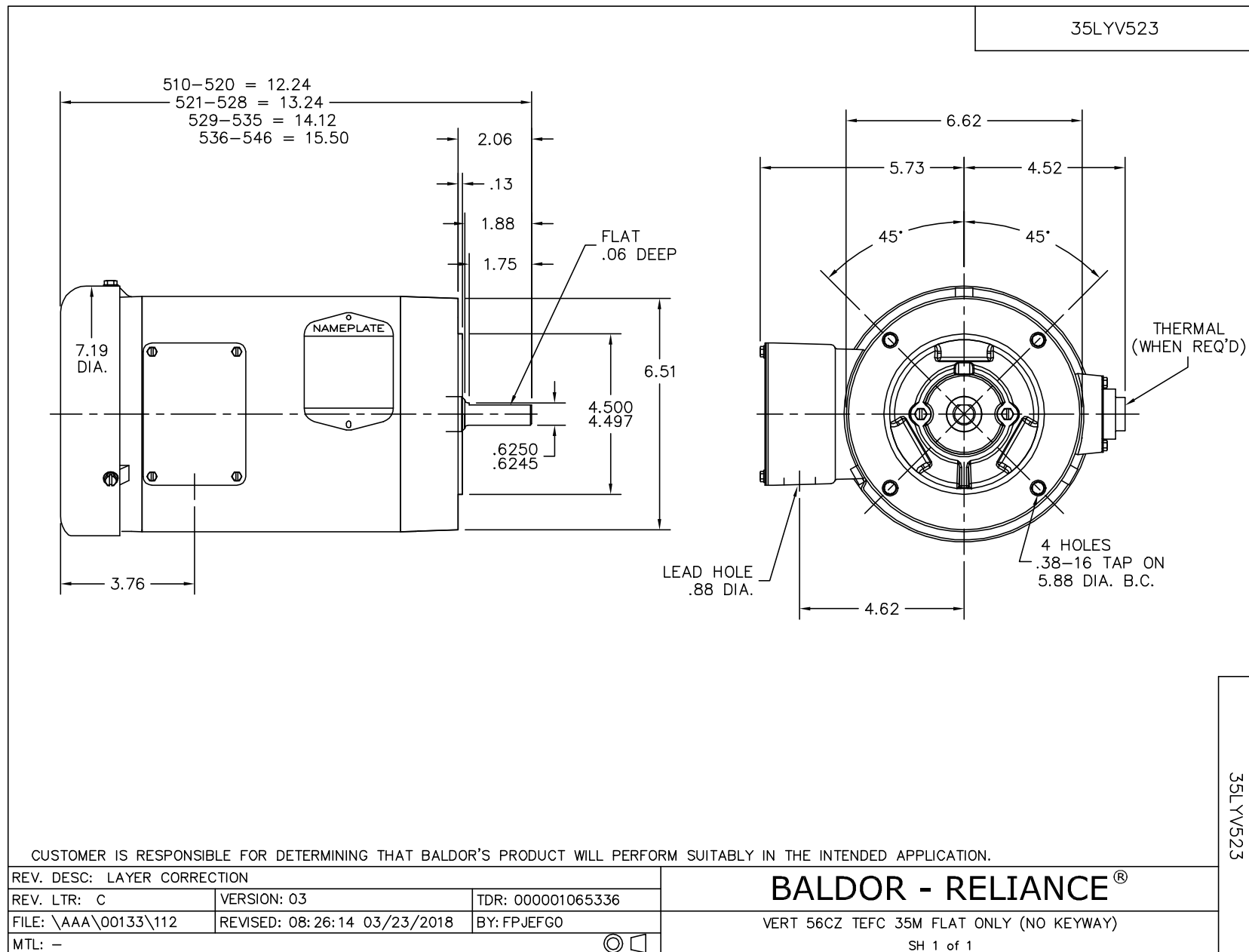
BY: RGGNAS

**BALDOR**

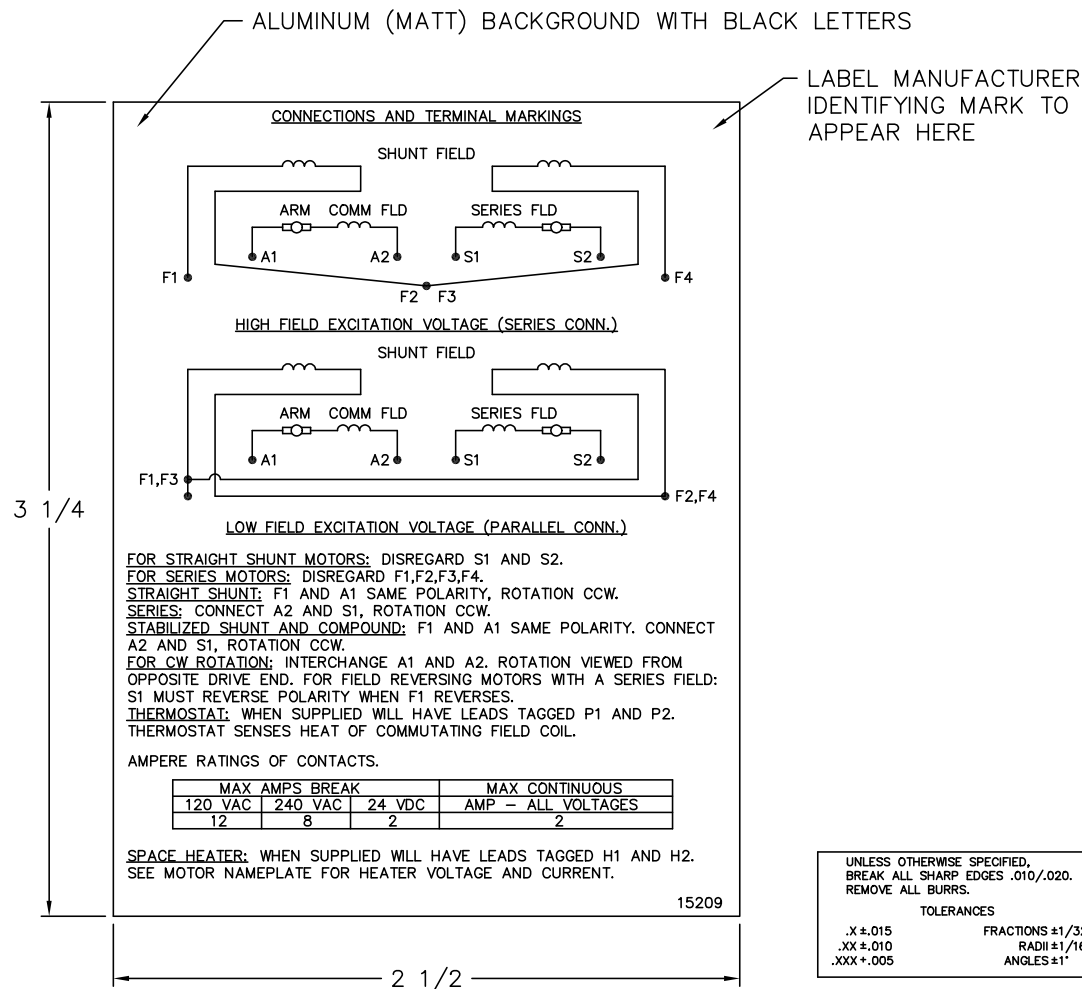
DIM SHEET: 327-3612AT,DPBV,W/TACH

SH 1 of 1

1336-4



15209



**NOTE:**  
 MATERIAL .005 MINIMUM FULL HARD ALUMINUM DULL FINISH.  
 TEMP. RANGE -20°C TO +125°C MAXIMUM.  
 FOR INDOOR AND OUTDOOR MOUNTING BACK.  
 METAL, PRESSURE SENSITIVE BACK. MUST MEET CSA STANDARD.  
 THE CSA IDENTIFYING MARK OF THE LABEL MANUFACTURER MUST APPEAR IN THE UPPER RIGHT HAND CORNER AS INDICATED.

UNLESS OTHERWISE SPECIFIED, BREAK ALL SHARP EDGES .010/.020. REMOVE ALL BURRS.

**TOLERANCES**

.X ±.015 FRACTIONS ±1/32  
 .XX ±.010 RADII ±1/16  
 .XXX ±.005 ANGLES ±1°

15209

|       |                                          |
|-------|------------------------------------------|
| MATL: | NOTED                                    |
| REV:  | G CHANGE ALL "NAMEPLATE" TEXT TO "LABEL" |
| 60Z91 | SCALE: — BY: BKW REVISED: 02/19/97       |
|       | FILE: CHB00002485 TDR: 0115147           |

**BALDOR ELECTRIC Co.**

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC