

# ABB BALDOR RELIANCE III

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## Customer information packet

### ZDBRPM321504

150HP, 1750RPM, 3PH, 60HZ, L3213, TEBC, FOOT

**Specifications**

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Enclosure</b>                     | TEBC                       |
| <b>Frame</b>                         | L3213                      |
| <b>Frame Material</b>                | Exposed Laminations        |
| <b>Frequency</b>                     | 60.00 Hz                   |
| <b>Output @ Frequency</b>            | 150.000 HP @ 60 HZ         |
| <b>Phase</b>                         | 3                          |
| <b>Synchronous Speed @ Frequency</b> | 1800 RPM @ 60 HZ           |
| <b>Voltage @ Frequency</b>           | 460.0 V @ 60 HZ            |
| <b>Agency Approvals</b>              | CCSA US                    |
| <b>Auxiliary Box</b>                 | NO AUXILLARY BOX           |
| <b>Base Indicator</b>                | Rigid                      |
| <b>Bearing Grease Type</b>           | Polyrex EM (-20F +300F)    |
| <b>Current @ Voltage</b>             | 177.000 A @ 460.0 V        |
| <b>Duty Rating</b>                   | CONT                       |
| <b>Feedback Device</b>               | TACHOMETER                 |
| <b>Frame Prefix</b>                  | L                          |
| <b>Heater Indicator</b>              | No Heater                  |
| <b>High Voltage Full Load Amps</b>   | 177.0 a                    |
| <b>Insulation Class</b>              | H                          |
| <b>Motor Standards</b>               | NEMA                       |
| <b>Mounting Arrangement</b>          | F3                         |
| <b>Overall Length</b>                | 48.44 IN                   |
| <b>Product Family</b>                | General Industrial         |
| <b>Pulley End Bearing Type</b>       | Ball                       |
| <b>Pulley Face Code</b>              | Standard                   |
| <b>Service Factor</b>                | 1.00                       |
| <b>Shaft Diameter</b>                | 2.874 IN                   |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding         |
| <b>Shaft Rotation</b>                | Reversible                 |
| <b>Speed</b>                         | 1780 rpm                   |
| <b>Thermal Device - Bearing</b>      | None                       |
| <b>Thermal Device - Winding</b>      | Normally Closed Thermostat |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | A          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  |            |
| <b>Base</b>         |            |
| <b>Status</b>       | INA/A      |
| <b>Elec. spec.</b>  | L1659A     |
| <b>Layout</b>       | 616763-001 |
| <b>Eff. date</b>    | 09-25-2018 |
| <b>CD Diagram</b>   | 422927-001 |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        |            |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 04-10-2015 |

Nameplate

| 000613006NS |              |                |             |        |            |       |         |           |     |
|-------------|--------------|----------------|-------------|--------|------------|-------|---------|-----------|-----|
|             | DUTY         | HP             | RPM         | AMPS   | VOLTS      | HZ    |         |           |     |
|             | CONT         | 150            | 1780        |        | 177        | 460   |         | 60        |     |
|             | CONT         | 150            | 3560        |        | 168        | 460   |         | 120       |     |
|             |              |                |             |        |            |       |         |           |     |
| CAT.NO.     | ZDBRPM321504 |                | SPEC. NO.   |        | P32L0274   |       |         |           |     |
| SER.NO      |              |                | FR          | L 3213 |            | INSUL | H       |           |     |
| PH.         | 3            | MAX SAFE SPEED |             | 4000   |            | AMB.  | 40      | MIN. AMB. | -25 |
| DESIGN NO.  | L1659A       |                | TYPE        |        | ENCL.      |       | TEAO-BC |           |     |
| S.F.        | 1.0          |                | D.E. BRG.   |        | 85BC02J30X |       |         |           |     |
| ENCL MOD    |              |                | O.D.E. BRG. |        | 65BC02J30X |       |         |           |     |
|             |              |                |             |        |            |       |         |           |     |

|             |       |              |      |                                       |         |                         |       |     |      |           |
|-------------|-------|--------------|------|---------------------------------------|---------|-------------------------|-------|-----|------|-----------|
| REL S.O.    | -     | VOLTS        | 460  | ENCLOSURE                             | TEBC    | WYE CONN                | EQ    | CKT | OHMS | PER PHASE |
| FRAME       | L3213 | AMPS         | 177  | MAX SAFE RPM                          | 4000    | (AT BASE RATING, 25 °C) |       |     |      |           |
| HP          | 150   | DUTY         | CONT | IM (AMPS)                             | 76      | R1                      | .0141 | X1  | .103 |           |
| BASE SPEED  | 1780  | S.F.         | 1.0  | P.F.@NL/FL                            | .04/.84 | R2                      | .0118 | X2  | .141 |           |
| PHASE/HERTZ | 3/60  | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 24      |                         |       | XM  | 3.47 |           |

### RATED FULL LOAD DATA

|            | RPM  | HP  | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|------------|------|-----|-----------------|---------------|---------|------|
| BASE SPEED | 1782 | 150 | 442             | 460           | 60      | 178  |
| MAX SPEED  | 3562 | 150 | 221             | 460           | 120     | 168  |
| MIN SPEED  | 0    | 0   | 442             | 7.28          | .590    | 178  |

### LOAD PERFORMANCE AT BASE SPEED

|           | RPM  | HP   | TORQUE<br>LB-FT | FUND<br>VOLTS | FREQ-HZ | AMPS |
|-----------|------|------|-----------------|---------------|---------|------|
| NO LOAD   | 1800 | 0    | 0               | 460           | 60      | 74.9 |
| 1/4       | 1796 | 37.5 | 110             | 460           | 60      | 86.7 |
| 1/2       | 1791 | 75.1 | 220             | 460           | 60      | 111  |
| 3/4       | 1787 | 112  | 331             | 460           | 60      | 142  |
| FULL LOAD | 1782 | 150  | 442             | 460           | 60      | 178  |
| O/L       | 1758 | 326  | 972             | 460           | 60      | 367  |

### BLOWER DATA

| VOLTS | PH/HZ | FL AMPS | LR AMPS | FRAME | CFM |
|-------|-------|---------|---------|-------|-----|
|       |       |         |         |       |     |

REMARKS: TYPICAL DATA



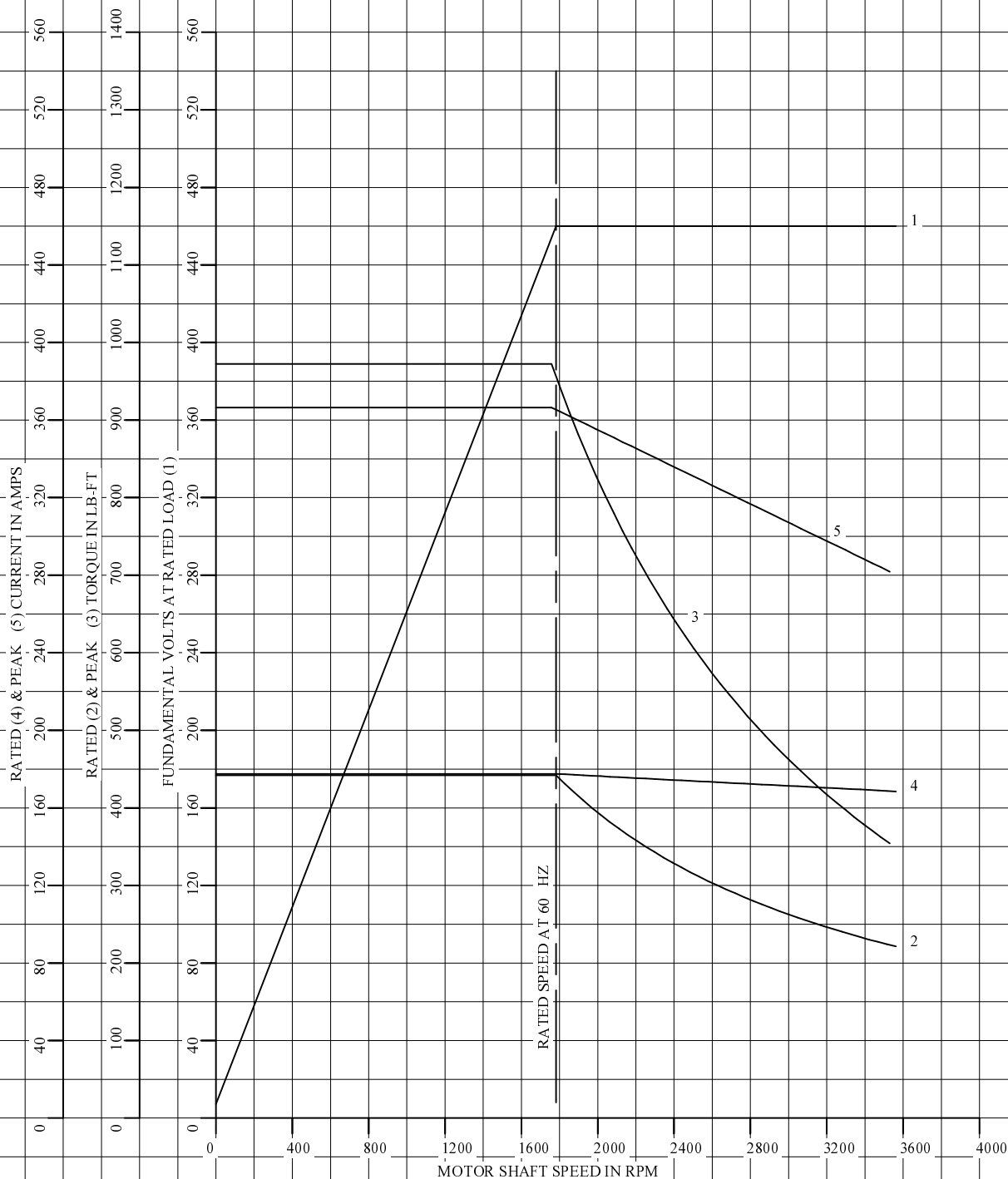
|         |           |
|---------|-----------|
| DR. BY  | M. ORDERS |
| CK. BY  | B. GRANT  |
| APP. BY | T. EVON   |
| DATE    | 12/21/99  |

**A-C MOTOR  
PERFORMANCE DATA** L1659A

ISSUE DATE 12/21/99

|             |       |              |      |                                       |         |                         |         |                |
|-------------|-------|--------------|------|---------------------------------------|---------|-------------------------|---------|----------------|
| REL S.O.    | -     | VOLTS        | 460  | ENCLOSURE                             | TEBC    | WYE CONN                | EQ CKT  | OHMS PER PHASE |
| FRAME       | L3213 | AMPS         | 177  | MAX SAFE RPM                          | 4000    | (AT BASE RATING, 25 °C) |         |                |
| HP          | 150   | DUTY         | CONT | IM (AMPS)                             | 76      | R1 .0141                | X1 .103 |                |
| BASE SPEED  | 1780  | S.F.         | 1.0  | P.F.@NL/FL                            | .04/.84 | R2 .0118                | X2 .141 |                |
| PHASE/HERTZ | 3/60  | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 24      |                         | XM 3.47 |                |

VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA  
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



DR. BY M. ORDERS  
CK. BY B. GRANT  
APP. BY T. EVON  
DATE 12/21/99

**A-C MOTOR  
PERFORMANCE  
CURVES**

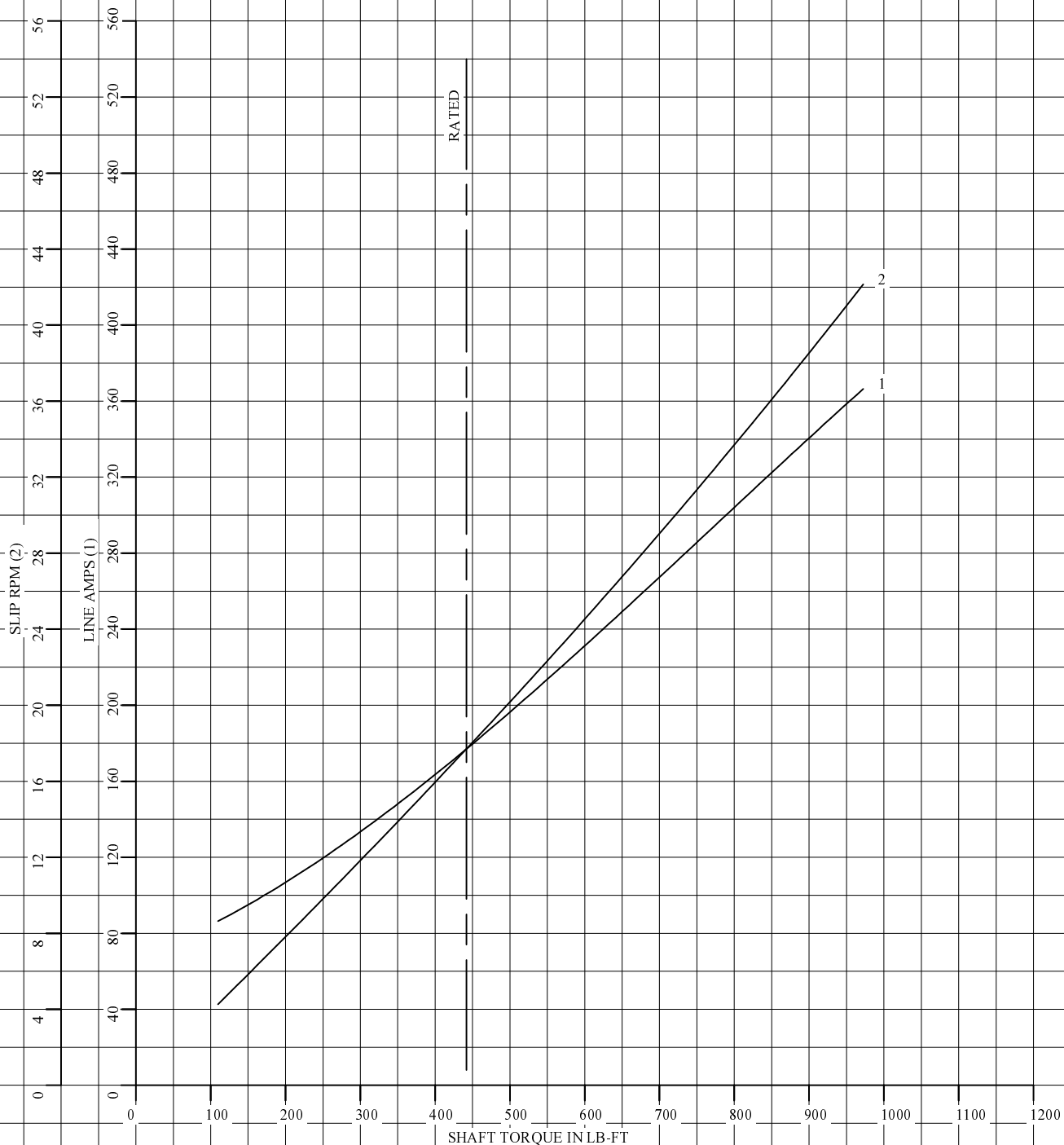
L1659A

SH 1 OF 2

ISSUE DATE 12/21/99

|             |       |              |      |                                       |         |                         |       |     |                |
|-------------|-------|--------------|------|---------------------------------------|---------|-------------------------|-------|-----|----------------|
| REL S.O.    | -     | VOLTS        | 460  | ENCLOSURE                             | TEBC    | WYE CONN                | EQ    | CKT | OHMS PER PHASE |
| FRAME       | L3213 | AMPS         | 177  | MAX SAFE RPM                          | 4000    | (AT BASE RATING, 25 °C) |       |     |                |
| HP          | 150   | DUTY         | CONT | IM (AMPS)                             | 76      | R1                      | .0141 | X1  | .103           |
| BASE SPEED  | 1780  | S.F.         | 1.0  | P.F. @NL/FL                           | .04/.84 | R2                      | .0118 | X2  | .141           |
| PHASE/HERTZ | 3/60  | AMB °C/INSUL | 40/H | WK <sup>2</sup> (Lb-Ft <sup>2</sup> ) | 24      | XM 3.47                 |       |     |                |

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



REMARKS: TYPICAL DATA  
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



DR. BY M. ORDERS  
CK. BY B. GRANT  
APP. BY T. EVON  
DATE 12/21/99

**A-C MOTOR  
PERFORMANCE  
CURVES**

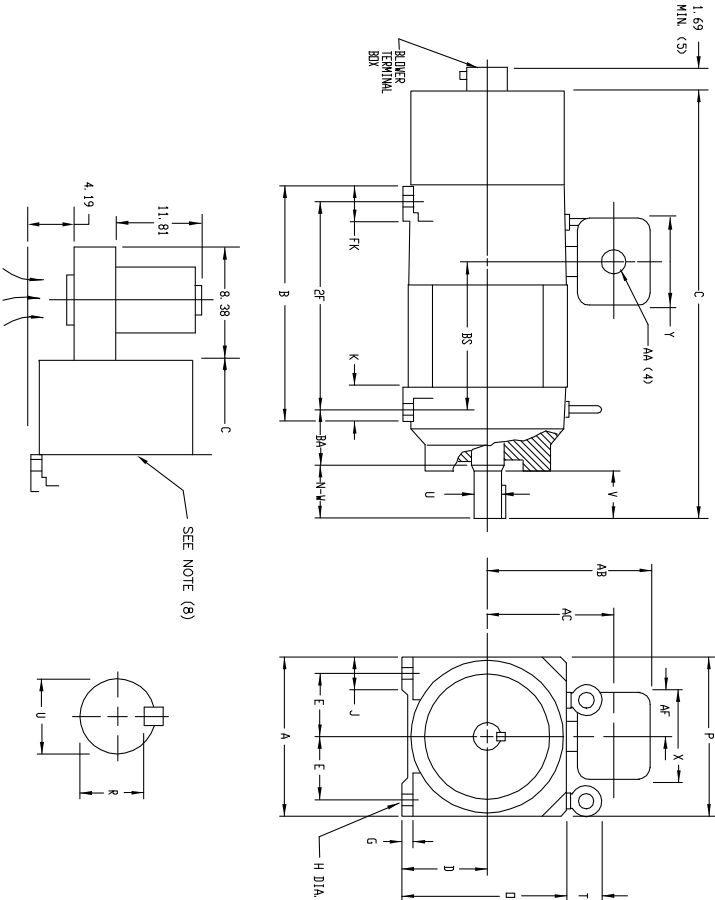
L1659A  
SH 2 OF 2  
ISSUE DATE 12/21/99

VARIABLE SPEED ALTERNATING CURRENT MOTORS  
RPM AC

ENCLOSURE: TOTALLY ENCLOSED  
MOUNTING: FOOT  
DRIVE METHOD: COUPLED OR BELTED

COOLING: BLOWER COOLED  
AIR-OVER INLINE  
ACCESSORIES: PROVISIONS FOR  
TACHOMETER MOUNTING  
ONLY WHEN SPECIFIED

FRAMES L3203Z THRU UL3213Z



DIMENSIONS ARE IN INCHES

| FRAME               | A     | DX(1) | E    | G   | H   | J    | D     | P     | T    | BA   | K    | FK   |
|---------------------|-------|-------|------|-----|-----|------|-------|-------|------|------|------|------|
| L3203Z THRU UL3213Z | 15.50 | 8.00  | 6.25 | .88 | .69 | 3.00 | 15.81 | 15.62 | 3.06 | 5.25 | 3.25 | 8.00 |

| FRAME     | C (6) | B     | BS    | EF    | N-W  | UK(2) | V    | RK(3) | SQ   | LGTH | WT.<br>LBS. |
|-----------|-------|-------|-------|-------|------|-------|------|-------|------|------|-------------|
| UL&L3203Z | 44.25 | 27.75 | 20.94 | 25.75 | 5.75 | 2.875 | 5.50 | 2.450 | .750 | 4.25 | 1170        |
| UL&L3213Z | 46.75 | 30.25 | 23.44 | 28.25 | 5.75 | 2.875 | 5.50 | 2.450 | .750 | 4.25 | 1310        |

- (1) "P" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "U" VARIES -- +.000 --.001
- (3) "R" VARIES -- +.000 --.015
- (4) FOR TERMINAL BOX DIMENSIONS "AA", "AB", "AC", "AF", "Y" AND "V" REFER TO BOX D/S 616779-1
- (5) WALLS OR OBSTRUCTIONS MUST NOT ENROACH ON AIR INLET SPACE.
- (6) DIMENSIONS IN D/S 616779-10 FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED.
- (7) REFER TO D/S 616779-10 (TEAC-BD) FOR TACH CONNECTION DIMENSIONS.
- (8) DIMENSIONS FOR "X" FEATURES OR CENTRIFUGAL BLOWER ONLY.
- TERMINAL BOX CAN BE ROTATED IN 90 DEG. INCREMENTS.
- TERMINAL BOX MOUNTED ON TOP AS STANDARD.
- TERMINAL BOX CAN BE LOCATED ON SIDE IN F1 OR F2 POSITION WHEN SPECIFIED.
- MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.
- IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
- FRAME PREFIX UL = ROLLER BEARING
- FRAME PREFIX L = BALL BEARINGS

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

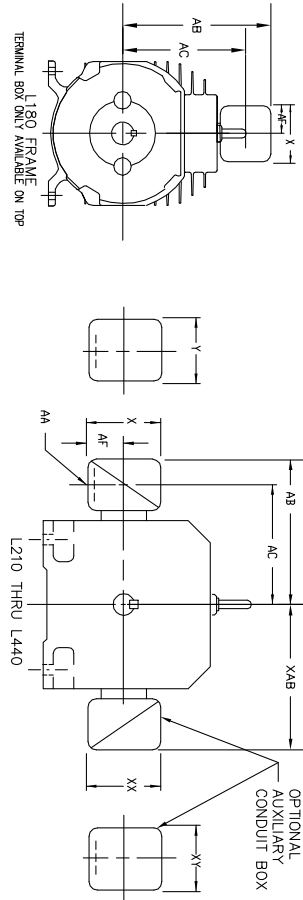
|                                                |                              |
|------------------------------------------------|------------------------------|
| REV. DESC: ADD NOTE: CENTRIFUGAL STYLE BLOWERS | TDR: 000000740277            |
| REV. LTR: A                                    | VERSION: 01                  |
| FILE: \RGG\00003\683                           | REVISED: 04:09:59 03/29/2012 |
| MTL: -                                         | BY: RGGTB1                   |

**BALDOR**

DIM SHT L3203Z THRU UL3213Z RPM AC TEBC AO INLINE FT MTG

SH 1 of 1

RPM AC INDUSTRIAL ALTERNATING CURRENT MOTORS  
STEEL, CAST IRON, MILL AND TERMINAL BOARD CONDUIT BOX DIMENSIONS  
NEMA FRAMES L180 thru L440 and IEC FRAMES DL112 thru DL280



DIMENSIONS ARE IN INCHES (mm)

| STEEL TERMINAL BOX DIMENSIONS (MAXIMUM) |     |      |       |       |               |       |       |                 |    | CAST IRON TERMINAL BOX DIMENSIONS (MAXIMUM) |     |    |       |       |               |       |       |             |    |
|-----------------------------------------|-----|------|-------|-------|---------------|-------|-------|-----------------|----|---------------------------------------------|-----|----|-------|-------|---------------|-------|-------|-------------|----|
| FRAME SIZE                              |     |      |       |       | STANDARD SIZE |       |       |                 |    | FRAME MAX SIZE                              |     |    |       |       | STANDARD SIZE |       |       |             |    |
| AMP                                     | AB  | AC   | AF    | X     | Y             | AMP   | AB    | AC              | AF | AMP                                         | AB  | AC | AF    | X     | Y             | AMP   | AB    | AC          | AF |
| L180                                    | 40  | 1.38 | 8.62  | 6.94  | 2.25          | 4.50  | 5.00  | 706320-3-A      |    | L180                                        | 60  | 1  | 9.38  | 7.50  | 2.50          | 5.00  | 5.75  | 706320-4-C  |    |
| L180                                    | 75  | 2    | 9.38  | 7.50  | 2.81          | 5.62  | 6.12  | 706320-5-A      |    | L210                                        | 140 | 3  | 14.25 | 10.50 | 3.62          | 8.00  | 9.25  | 706320-12-B |    |
| L210                                    | 160 | 2    | 12.75 | 9.19  | 4.25          | 8.44  | 7.25  | 706320-9-A & D  |    | L210                                        | 210 | 5  | 15.62 | 11.38 | 4.12          | 9.50  | 10.50 | 706320-13-A |    |
| L210                                    | 305 | 4    | 14.62 | 10.50 | 5.38          | 10.56 | 9.00  | 706320-16-A & D |    | L210                                        | 510 | 5  | 18.50 | 13.25 | 7.00          | 12.75 | 15.00 | 706320-14-D |    |
| L250                                    | 160 | 2    | 13.75 | 10.25 | 4.25          | 8.44  | 7.25  | 706320-9-A & D  |    | L250                                        | 140 | 3  | 15.38 | 11.50 | 3.62          | 8.00  | 9.25  | 706320-12-B |    |
| L250                                    | 305 | 4    | 13.75 | 11.56 | 5.38          | 10.56 | 9.00  | 706320-16-A & D |    | L250                                        | 210 | 4  | 16.62 | 12.44 | 4.12          | 9.50  | 10.50 | 706320-13-A |    |
| L250                                    | 500 | 5    | 19.50 | 14.31 | 6.50          | 12.10 | 14.62 | 706320-16-A & D |    | L250                                        | 510 | 5  | 19.62 | 14.31 | 7.00          | 12.75 | 15.00 | 706320-14-D |    |
| L280                                    | 160 | 2    | 14.00 | 10.44 | 4.25          | 8.44  | 7.25  | 706320-9-A & D  |    | L280                                        | 140 | 3  | 15.50 | 11.75 | 3.62          | 8.00  | 9.25  | 706320-12-B |    |
| L280                                    | 305 | 4    | 15.88 | 11.75 | 5.38          | 10.56 | 9.00  | 706320-16-A & D |    | L280                                        | 210 | 4  | 16.88 | 12.62 | 4.12          | 9.50  | 10.50 | 706320-13-A |    |
| L280                                    | 500 | 5    | 19.62 | 14.50 | 6.50          | 12.10 | 14.62 | 706320-16-A & D |    | L280                                        | 510 | 5  | 19.75 | 14.50 | 7.00          | 12.75 | 15.00 | 706320-14-D |    |
| L320                                    | 160 | 2    | 15.38 | 11.81 | 4.25          | 8.44  | 7.25  | 706320-9-A & D  |    | L320                                        | 140 | 3  | 15.75 | 12.00 | 3.62          | 8.00  | 9.25  | 706320-12-B |    |
| L320                                    | 305 | 4    | 17.25 | 13.12 | 5.38          | 10.56 | 9.00  | 706320-16-A & D |    | L320                                        | 210 | 4  | 17.12 | 12.88 | 4.12          | 9.50  | 10.50 | 706320-13-A |    |
| L320                                    | 500 | 5    | 21.00 | 15.88 | 6.50          | 12.10 | 14.62 | 706320-16-A & D |    | L320                                        | 510 | 5  | 21.12 | 15.88 | 7.00          | 12.75 | 15.00 | 706320-14-D |    |
| L360                                    | 160 | 2    | 16.38 | 12.81 | 4.25          | 8.44  | 7.25  | 706320-9-A & D  |    | L360                                        | 140 | 3  | 16.75 | 13.00 | 3.62          | 8.00  | 9.25  | 706320-12-B |    |
| L360                                    | 305 | 4    | 18.25 | 14.12 | 5.38          | 10.56 | 9.00  | 706320-16-A & D |    | L360                                        | 210 | 4  | 18.12 | 13.88 | 4.12          | 9.50  | 10.50 | 706320-13-A |    |
| L360                                    | 500 | 5    | 22.00 | 16.88 | 6.50          | 12.10 | 14.62 | 706320-16-A & D |    | L360                                        | 510 | 5  | 22.12 | 16.88 | 7.00          | 12.75 | 15.00 | 706320-14-D |    |

| MILL CONDUIT BOX DIMENSIONS (MAXIMUM) |      |     |       |       |             |       |       |                 |  |
|---------------------------------------|------|-----|-------|-------|-------------|-------|-------|-----------------|--|
| FRAME SIZE                            |      |     |       |       | PART NUMBER |       |       |                 |  |
| L210                                  | 160  | (3) | 10.78 | 8.41  | 3.50        | 8.00  | 8.00  | 706310-3-X or Y |  |
| L250                                  | 160  | (3) | 11.84 | 9.47  | 3.50        | 8.00  | 8.00  | 706310-3-X or Y |  |
| L280                                  | 590  | (3) | 12.75 | 10.75 | 4.50        | 16.00 | 16.00 | 706310-3-R      |  |
| L320                                  | 590  | (3) | 15.47 | 12.06 | 4.50        | 16.00 | 16.00 | 706310-3-R      |  |
| L360                                  | 590  | (3) | 16.47 | 13.06 | 4.50        | 16.00 | 16.00 | 706310-3-R      |  |
| L400                                  | 590  | (3) | 18.00 | 15.00 | 4.50        | 16.00 | 16.00 | 706310-3-R      |  |
| L440                                  | 1260 | (3) | 27.38 | 19.88 | 6.06        | 18.50 | 18.50 | 706310-63-E     |  |

| IEC CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (MAXIMUM) |      |     |             |             |             |             |             |                   |  |
|-----------------------------------------------------------|------|-----|-------------|-------------|-------------|-------------|-------------|-------------------|--|
| FRAME NEMA/IEC                                            |      |     |             |             | PART NUMBER |             |             |                   |  |
| L180/DL112                                                | 85   | AA  | AB (mm)     | AC (mm)     | AF (mm)     | X (mm)      | Y (mm)      | 706320-5-A or 4-C |  |
| L210/DL132                                                | 100  | --- | 10.77 (274) | 9.04 (230)  | 3.74 (95)   | 7.48 (190)  | 7.48 (190)  | 706310-5-A or 4-C |  |
| L250/DL160                                                | 160  | --- | 11.63 (296) | 9.62 (245)  | 4.41 (112)  | 8.82 (224)  | 8.82 (224)  | 706310-5-B        |  |
| L250/DL160                                                | 100  | --- | 12.09 (307) | 10.36 (264) | 3.74 (95)   | 7.48 (190)  | 7.48 (190)  | 706310-5-B        |  |
| L280/DL180                                                | 160  | --- | 12.95 (329) | 10.94 (278) | 4.41 (112)  | 8.82 (224)  | 8.82 (224)  | 706310-5-B        |  |
| L280/DL180                                                | 160  | --- | 13.58 (345) | 11.57 (294) | 4.41 (112)  | 8.82 (224)  | 8.82 (224)  | 706310-5-B        |  |
| L360/DL225                                                | 800  | --- | 20.78 (528) | 18.25 (464) | 6.20 (158)  | 14.39 (366) | 14.39 (366) | 706310-63-B       |  |
| L360/DL225                                                | 800  | --- | 21.75 (553) | 19.25 (489) | 6.20 (158)  | 14.39 (366) | 14.39 (366) | 706310-63-B       |  |
| L400/DL250                                                | 1260 | --- | 25.94 (659) | 18.44 (469) | 6.06 (154)  | 18.50 (470) | 18.50 (470) | 706310-63-E       |  |
| L400/DL280                                                | 1360 | --- | 27.38 (696) | 19.88 (505) | 6.06 (154)  | 18.50 (470) | 18.50 (470) | 706310-63-E       |  |
| L440/DL280                                                | 1300 | --- | 30.38 (772) | 21.38 (543) | 12.44 (316) | 24.00 (610) | 24.00 (610) | 706310-86-A       |  |

| OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM) |       |      |      |             |             |       |      |      |            |
|-----------------------------------------------------|-------|------|------|-------------|-------------|-------|------|------|------------|
| FRAME SIZE                                          |       |      |      |             | PART NUMBER |       |      |      |            |
| L210/DL132                                          | 7.38  | 4.25 | 4.25 | 602007-26-A | L210/DL132  | 10.88 | 8.00 | 8.00 | 706310-3-B |
| L250/DL160                                          | 8.44  | 4.25 | 4.25 | 602007-26-A | L250/DL160  | 11.88 | 8.00 | 8.00 | 706310-3-B |
| L280/DL180                                          | 9.12  | 4.25 | 4.25 | 602007-26-A | L280/DL180  | 12.62 | 8.00 | 8.00 | 706310-3-B |
| L320/DL200                                          | 10.00 | 4.25 | 4.25 | 602007-26-A | L320/DL200  | 13.50 | 8.00 | 8.00 | 706310-3-B |
| L360/DL225                                          | 11.00 | 4.25 | 4.25 | 602007-26-A | L360/DL225  | 14.50 | 8.00 | 8.00 | 706310-3-B |
| L400/DL250                                          | 12.00 | 4.25 | 4.25 | 602007-26-A | L400/DL250  | 15.50 | 8.00 | 8.00 | 706310-3-B |
| L440/DL280                                          | 13.12 | 4.25 | 4.25 | 602007-26-A | L440/DL280  | 16.62 | 8.00 | 8.00 | 706310-3-B |

(1) \*\* CONDUIT  
(2) \*\* PIPE 1/4"  
(3) CUSTOMER TO PROVIDE  
(4) 2" DN -5A or 1" IAW DN -4C  
CONDUIT BOX CAN BE ROTATED  
ROTAION OF CONDUIT BOX MAY BE  
SPECIFIED

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

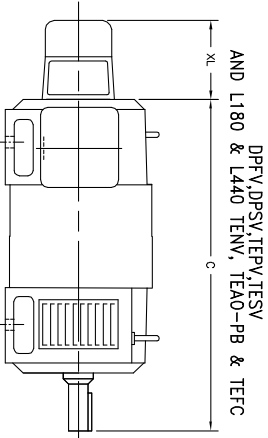
|                                                 |                              |                   |
|-------------------------------------------------|------------------------------|-------------------|
| REV. DESC: ADD 1260 AMP L400, ADD 1300 AMP L440 | VERSION: 01                  | TDR: 000000804459 |
| REV. LTR: A                                     | REVISED: 10:23:58 06/18/2013 | BY: RCGWT         |
| FILE: \RGG\00003\688                            |                              |                   |
| MTL: -                                          |                              |                   |

|                                                    |
|----------------------------------------------------|
| <b>BALDOR</b>                                      |
| DIM SHT NEMA L180 THRU L440 & IEC DL112 THRU DL280 |
| SH 1 of 1                                          |

616779-001

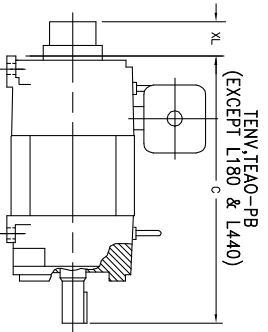
RPM AC TACHOMETER DIMENSIONS  
NEMA FRAMES L180 THRU L440  
DIMENSIONS ARE IN INCHES

616779-010



| TACH MODEL      | XL    | LBS.  |
|-----------------|-------|-------|
| M627, M628      | 10.31 | 20    |
| M727, M737      |       |       |
| M738            | 6.31  | 10    |
| H52D (S. CONN.) | 9.06  | 10    |
| H52D (E. CONN.) | 5.62  | 10    |
| TS-2014N        | 9.94  | 15    |
| TS-2087N        | 4.00  | 15    |
| RIMB500         | 2.00  | 5     |
| RL67            | 6.27  | 10    |
| B45H            | 7.38  | 10    |
| H20             | 9.25  | 10    |
| BEL             | 3.62  | 10    |
| M3, M4          | 3.38  | 10    |
| M285            | 8.50  | 15    |
| M485            | 2.19  | 10    |
| HS35 DR HS035   | 2.50  | 5     |
| SL56            | 3.00  | 5     |
| HS6             | 9.50  | 10    |
| E25BA           | 2.75  | 10    |
| AVTRON AV50     | 2.54  | 9     |
| DYNAPAR EV42    | 3.32  | 6.5   |
| DYNAPAR HS35R   | 3.30  | 2.0   |
| AVTRON AV485    | 11.00 | 17.00 |
| RAH35M          | 4.19  | 5.00  |

| TACH MODEL  | XL    | LBS. |
|-------------|-------|------|
| TAMAGAMA    | 6.5   | 5    |
| TS5778      | 10.50 | 10   |
| X25         | 10.25 | 10   |
| H3B1        | 2.81  | 5    |
| STEDMANN    | 4.75  | 80   |
| RIM290      | 9.62  | 25   |
| SRM25       | 6.28  | 10   |
| HS20, HS035 | 3.30  | 2    |
| TS5016N     | 4.25  | 15   |
| HS6         | 3.62  | 10   |
| AV80        | 2.19  | 10   |
| RAH35M      | 4.19  | 10   |
| M3-56C      | 7.38  | 15   |
| EDM325      | 6.50  | 15   |
| EDM425      | 5.50  | 15   |
| RDM46       | 3.25  | 10   |
| HD25        | 5.62  | 10   |
| AVTRON AV67 | 4.89  | 5    |
| AV56        | 2.00  | 5    |
| HS038       | 3.00  | 5    |
| SFS/STM60   | 3.00  | 5    |
| HS45        | 3.12  | 10   |
| SFS/STM50   | 4.00  | 10   |



| TACH MODEL    | XL   | LBS. |
|---------------|------|------|
| TS-5008N      | 5.88 | 10   |
| TS-5013N      |      |      |
| TS-5016N      |      |      |
| TS-5035N      | 4.31 | 20   |
| TS-2014N      | 8.62 | 15   |
| TS-2087N      | 1.38 | 5    |
| RD-120        | 6.25 | 10   |
| 625/845H      | 8.25 | 10   |
| RD-62         | 1.88 | 5    |
| TS-2151       | 5.88 | 5    |
| RL67          | 1.56 | 5    |
| BIM 8500      | 3.50 | 20   |
| SL-56         | 3.06 | 5    |
| M285          | 3.50 | 20   |
| HS6           | 8.12 | 10   |
| HS35 DR HS035 | 1.00 | 5    |
| M3, M4        | 2.50 | 10   |
| SL85          | 1.38 | 15   |
| M3-56C-WIG    | 7.50 | 10   |
| M485          | 7.12 | 15   |
| AVTRON AV80   | 2.54 | 9    |
| RAH35M        | 2.56 | 5    |

| TACH MODEL | XL   | LBS. |
|------------|------|------|
| RA55       | 2.25 | 10   |

SEE MOTOR DIMENSION SHEET FOR "C" DIMENSION

SEE MOTOR DIMENSION SHEET FOR "C" DIMENSION

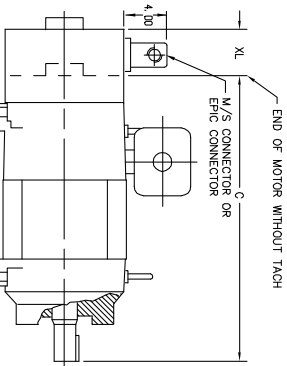


FIG. 1

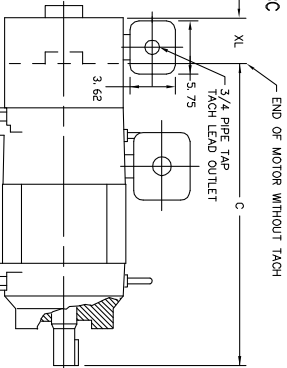


FIG. 2

| TACH<br>MODEL      | STANDARD<br>CONNECTION<br>PER | LBS. | X/T<br>CONNECTION<br>PER | LBS. | XL PER FRAME SIZE |      |      |      |      |      |      |
|--------------------|-------------------------------|------|--------------------------|------|-------------------|------|------|------|------|------|------|
|                    |                               |      |                          |      | L180              | L210 | L250 | L280 | L320 | L360 | L400 |
| TS-5008N           | FIG. 1                        | 15   | FIG. 2                   | 20   | 4.00              | 6.12 | 5.12 | 5.12 | 0    | 4.00 | 7.00 |
| TS-5013N           |                               |      |                          |      |                   |      |      |      |      |      |      |
| TS-5016N           |                               |      |                          |      |                   |      |      |      |      |      |      |
| TS-5035N           |                               |      |                          |      |                   |      |      |      |      |      |      |
| TS-2014N/845H      | FIG. 1                        | 20   | FIG. 2                   | 25   | 4.00              | 6.12 | 5.12 | 5.12 | 0    | 4.00 | 7.00 |
| TS-2151            | FIG. 1                        | 10   | FIG. 2                   | 10   | 4.00              | 6.12 | 5.12 | 5.12 | 0    | 4.00 | 7.00 |
| HD0                | FIG. 1                        | 10   | FIG. 2                   | 15   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| RL67               | FIG. 1                        | 10   | FIG. 1                   | 10   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| SL-56              | FIG. 1                        | 10   | FIG. 1                   | 10   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| HS35, HS035, HS038 | FIG. 1                        | 10   | FIG. 2                   | 15   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| AVTRON M3-HS       | FIG. 1                        | 10   | FIG. 2                   | 15   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| AVTRON AV56        | FIG. 1                        | 10   | FIG. 2                   | 15   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |
| AVTRON HS45        | FIG. 1                        | 10   | FIG. 2                   | 15   | 4.00              | 4.12 | 3.12 | 3.12 | 0    | 4.00 | 7.00 |

SEE MOTOR DIMENSION SHEET FOR "C" DIMENSION

010-667919

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

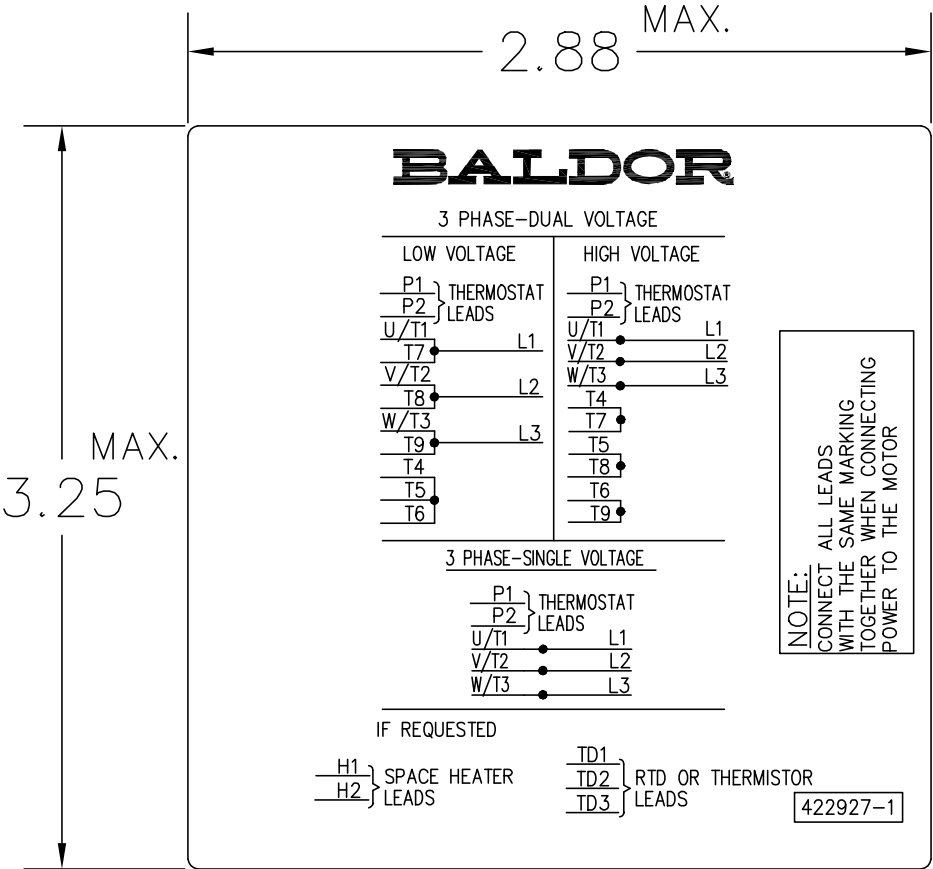
|                                                 |                                |                   |
|-------------------------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD AVTRON HS45 TO TEAO-BE (B365302) | VERSION: 18                    | TDR: 000000873222 |
| REV. LTR: T                                     | REVISED: 11: 32: 55 09/25/2014 | BY: RCGWT         |
| FILE: \RGG\00003\689                            |                                |                   |
| MTL: -                                          |                                |                   |

**BALDOR**

DIM SHT TACH DIM NEMA L180 THRU L440

SH 1 of 1

422927-001



NOTE:  
DATA TO BE SIZED  
SO THAT IT FITS INTO  
MATERIAL DECAL  
DIMENSIONS. MAKE  
LETTERS & NUMBERS  
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4  
PERMA GRIP ADHESIVE  
  
ALL LETTERS, NUMBERS  
AND LINES TO BE BLACK  
ON WHITE BACKGROUND.

422927-001

|                                                       |                              |                   |
|-------------------------------------------------------|------------------------------|-------------------|
| REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE |                              |                   |
| REV. LTR: B                                           | VERSION: 02                  | TDR: 000000788708 |
| FILE: \RGG\00000\203                                  | REVISED: 08:09:29 03/04/2013 |                   |
| MTL: -                                                | BY: RGGWT                    |                   |

**BALDOR**  
EXTERNAL CONNECTION LABEL  
SH 1 of 1