ABB BALDOR RELIANCE

# Customer information packet

## D2040P-BV

0328AT, 40HP, 1750RPM, 240, 300, DPBV, F1

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/15/2026 7:22:01 AM

## Specifications

| | |
|---|---|
| **Armature Voltage** | 240 V |
| **Base Speed** | 1750 rpm |
| **Enclosure** | DPFG |
| **Field Voltage** | 300 V |
| **Frame** | 328AT |
| **Output Power** | 40.000 HP |
| **Agency Approvals** | CSA |
| **Ambient Temperature** | 40 °C |
| **Armature Current** | 138.0 a |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Feedback Device** | NO FEEDBACK |
| **Field Winding Type** | STR. SHUNT |
| **Heater Indicator** | No Heater |
| **Insulation Class** | F |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Motor Standards** | NEMA |
| **Mounting Arrangement** | F1 |
| **Overall Length** | 34.63 IN |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 2.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Slinger Indicator** | No Slinger |
| **Thermal Device - Bearing** | None |

## Part Detail

| | |
|---|---|
| **Revision** | A |
| **Type** | DC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | K0080A B |
| **Layout** | 1336-4 |
| **Eff. date** | 10-03-2023 |
| **CD Diagram** | 15209 |
| **Poles** | 00 |
| **Leads** | |
| **Proprietary** | False |
| **Created date** | 12-18-2019 |

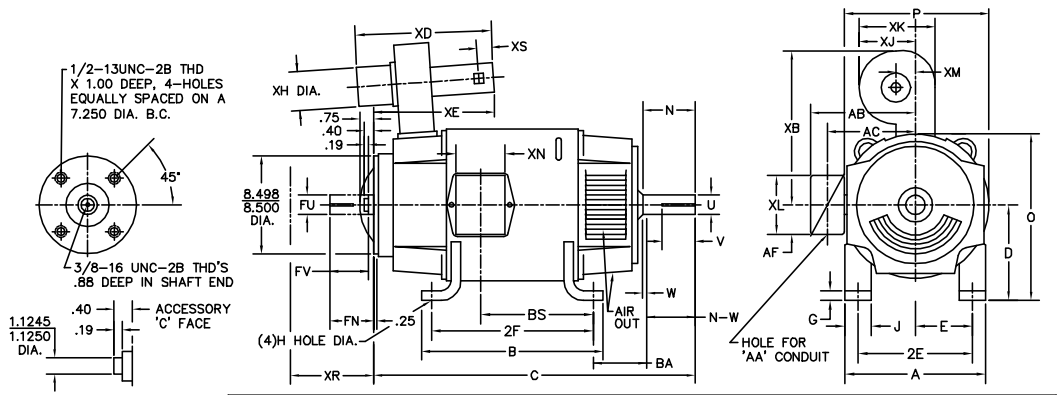
**Nameplate**

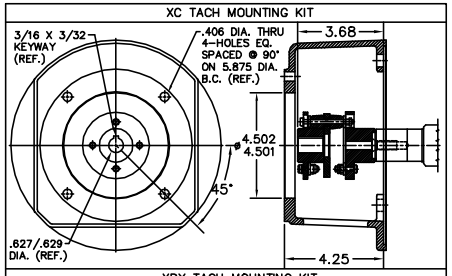
| NP1734 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | D2040P-BV | | | **MODEL** | T32S8003 | | | | | | |
| **HP** | 40 | **RPM** | 1750/2100 | | **FRAME** | 0328AT | | | | | |
| **ARM V** | 240 | **ARM A** | 138.00 | | **WOUND** | STR. SHUNT | | | | | |
| **FLD V** | 150/300 | **FLD A** | 2.64-2.00/1.32-1.00 | | | | | | | | |
| **CONN** | | **OHMS** | 145.6 | | **CL** | F | | | | | |
| **ENCL** | DPBV | **DUTY** | CONT | | **MX AMB** | 40 | | | | | |
| **P CODE** | D | **CTSR** | | | **SER.F.** | 1.0 | | | | | |
| **S/N** | | | **E/S** | K0080A B | | | | | | | |
| | - | | | | | | | | | | |
| **O.D.E. BRG.** | 6210 | **D.E. BRG.** | 6211 | | **BRUSH** | 28610-1 | | **QTY** | 4 | | |

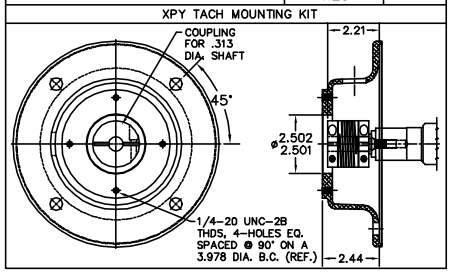
**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 94EP5000A02 | C-FACE CONVERSION KIT FOR STOCK MTR,FR 3 | |

1336-4



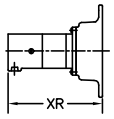



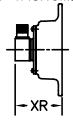

STANDARD COMM END FOR SINGLE SHAFT EXTENSION

| TACHOMETER | | | |
|---|---|---|---|
| TACH | XR | LBS | FIG # |
| XPY | 9.00 | 6.00 | 1 |
| DPY | 6.91 | 3.00 | 2 |
| NCS | 3.25 | 7.00 | 3 |
| AC | 2.77 | 7.00 | 3 |
| XC42 | 12.49 | 25.00 | 4 |
| XC46 | 14.50 | 35.00 | 4 |
| XPYII | 6.89 | 15.00 | 5 |

STANDARD TACHOMETER MOUNTINGS



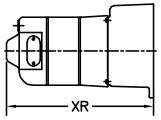
XPY TACHOMETER
FIG. 1



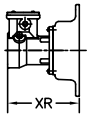
DPY TACHOMETER
FIG. 2



NCS & AC TACHOMETER
FIG. 3



XC 42 & 46 TACHOMETER
FIG. 4



XPY II
FIG. 5

| | 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 [3] | .15 | .500 | 3.12 | 3.94 | 1.875 | 3.69 | .500 | 2.81 | 15.88 | 15.75 | 32.75 | 8.00 [2] | 15.94 | 15.88 |
| 328AT | 5.25 | 6.25 | 16.00 | .81 | .656 | 3.00 | 4.40 | 4.25 | 2.125 | 4.00 [3] | .15 | .500 | 3.12 | 3.94 | 1.875 | 3.69 | .500 | 2.81 | 15.88 | 17.75 | 34.63 | 8.00 [2] | 15.94 | 15.88 |
| 329AT | 5.25 | 6.25 | 18.00 | .81 | .656 | 3.00 | 4.40 | 4.25 | 2.125 | 4.00 [3] | .15 | .500 | 3.12 | 3.94 | 1.875 | 3.69 | .500 | 2.81 | 15.88 | 19.75 | 36.63 | 8.00 [2] | 15.94 | 15.88 |
| 365AT | 5.88 | 7.00 | 12.25 | .81 | .813 | 3.25 | 4.94 | 4.75 | 2.375 | 4.50 [3] | .19 | .625 | 3.50 | 4.62 | 2.125 | 4.37 | .500 | 3.13 | 17.75 | 13.75 | 32.94 | 9.00 [2] | 17.94 | 17.88 |
| 366AT | 5.88 | 7.00 | 14.00 | .81 | .813 | 3.25 | 4.94 | 4.75 | 2.375 | 4.50 [3] | .19 | .625 | 3.50 | 4.62 | 2.125 | 4.37 | .500 | 3.13 | 17.75 | 15.50 | 35.13 | 9.00 [2] | 17.94 | 17.88 |
| 368AT | 5.88 | 7.00 | 18.00 | .81 | .813 | 3.25 | 4.94 | 4.75 | 2.375 | 4.50 [3] | .19 | .625 | 3.50 | 4.62 | 2.125 | 4.37 | .500 | 3.13 | 17.75 | 19.50 | 38.13 | 9.00 [2] | 17.94 | 17.88 |
| 3610AT | 5.88 | 7.00 | 22.00 | .81 | .813 | 3.25 | 4.94 | 4.75 | 2.375 | 4.50 [3] | .19 | .625 | 3.50 | 4.62 | 2.125 | 4.37 | .500 | 3.13 | 17.75 | 23.50 | 41.45 | 9.00 [2] | 17.94 | 17.88 |
| 3612AT | 5.88 | 7.00 | 28.00 | .81 | .813 | 3.25 | 4.94 | 4.75 | 2.375 | 4.50 [3] | .19 | .625 | 3.50 | 4.62 | 2.125 | 4.37 | .500 | 3.13 | 17.75 | 29.50 | 45.56 | 9.00 [2] | 17.94 | 17.88 |

| | CONDUIT BOX | | | | | | BLOWER | | | | | | | | | ARM APPROX. WK² LBS.FT.² | 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 [5] |
| 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 [5] |
| 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 [5] |
| 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 [5] |
| 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 [5] |
| 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 [5] |
| 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 [5] |
| 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 [5] |

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 − .060
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.

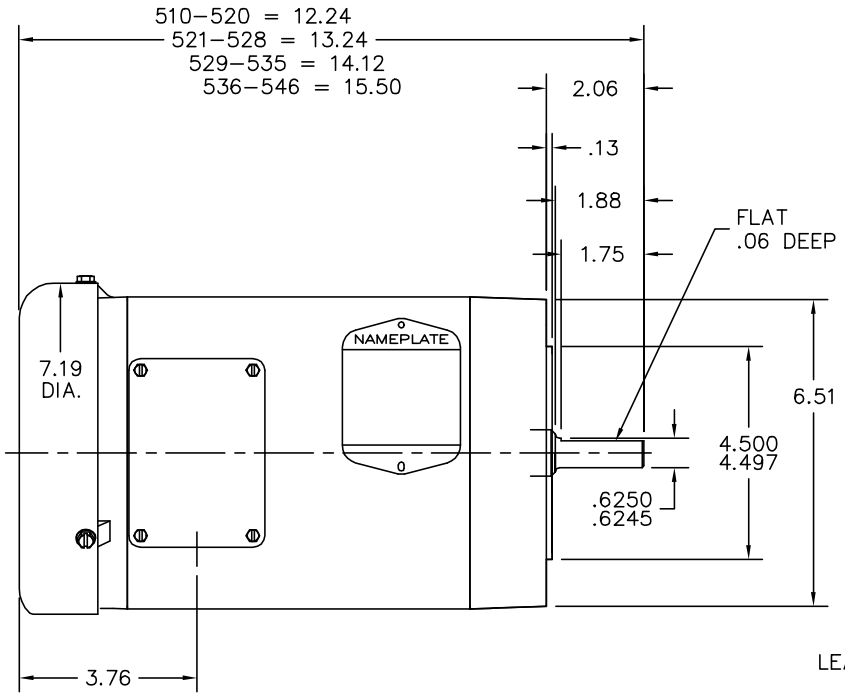
FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

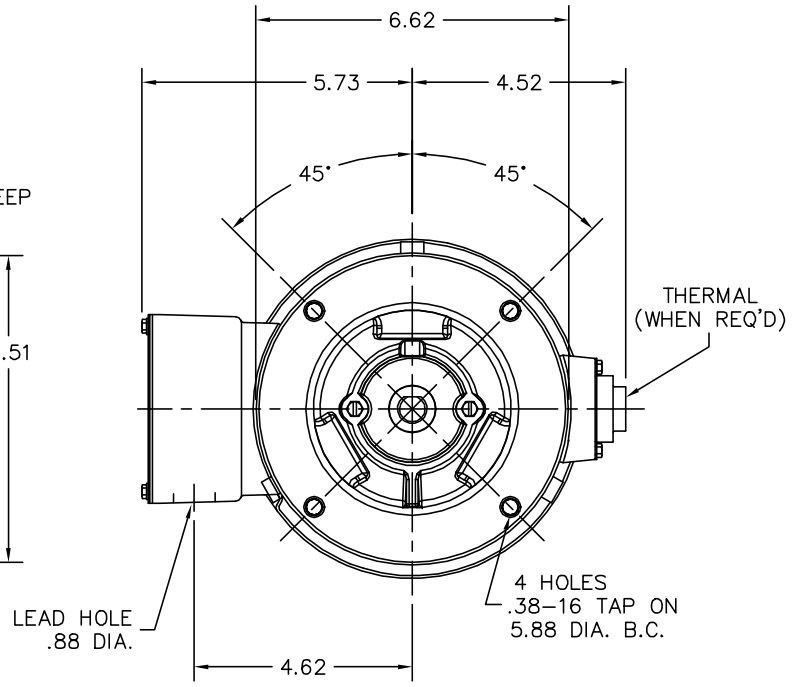
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

| | | | |
|---|---|---|---|
| REV. DESC: REV. "D" DIM TO +.000 −.060 ONLY | | | BALDOR |
| REV. LTR: G | VERSION: 01 | TDR: 000000752448 | |
| FILE: \RGG\00019\490 | | REVISED: 01:55:17 06/19/2012 | DIM SHEET: 327-3612AT,DPBV,W/TACH |
| MTL: − | | BY: RGGNAS | SH 1 of 1 |

1336-4

35LYV523




35LYV523

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

| | | |
|---|---|---|
| REV. DESC: LAYER CORRECTION | | |
| REV. LTR: C | VERSION: 03 | TDR: 000001065336 |
| FILE: \AAA\00133\112 | REVISED: 08:26:14 03/23/2018 | BY: FPJEFGO |
| MTL: – | | |

BALDOR - RELIANCE®

VERT 56CZ TEFC 35M FLAT ONLY (NO KEYWAY)

SH 1 of 1

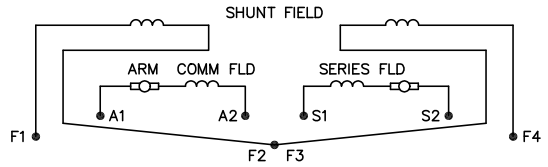
15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

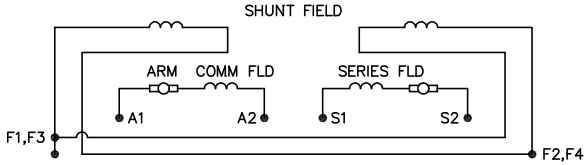
LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE

3 1/4

CONNECTIONS AND TERMINAL MARKINGS




HIGH FIELD EXCITATION VOLTAGE (SERIES CONN.)




LOW FIELD EXCITATION VOLTAGE (PARALLEL CONN.)

FOR STRAIGHT SHUNT MOTORS: DISREGARD S1 AND S2.
FOR SERIES MOTORS: DISREGARD F1,F2,F3,F4.
STRAIGHT SHUNT: F1 AND A1 SAME POLARITY, ROTATION CCW.
SERIES: CONNECT A2 AND S1, ROTATION CCW.
STABILIZED SHUNT AND COMPOUND: F1 AND A1 SAME POLARITY. CONNECT A2 AND S1, ROTATION CCW.
FOR CW ROTATION: INTERCHANGE A1 AND A2. ROTATION VIEWED FROM OPPOSITE DRIVE END. FOR FIELD REVERSING MOTORS WITH A SERIES FIELD: S1 MUST REVERSE POLARITY WHEN F1 REVERSES.
THERMOSTAT: WHEN SUPPLIED WILL HAVE LEADS TAGGED P1 AND P2. THERMOSTAT SENSES HEAT OF COMMUTATING FIELD COIL.

AMPERE RATINGS OF CONTACTS.

| MAX AMPS BREAK | | | MAX CONTINUOUS |
|---|---|---|---|
| 120 VAC | 240 VAC | 24 VDC | AMP – ALL VOLTAGES |
| 12 | 8 | 2 | 2 |

SPACE HEATER: WHEN SUPPLIED WILL HAVE LEADS TAGGED H1 AND H2. SEE MOTOR NAMEPLATE FOR HEATER VOLTAGE AND CURRENT.

15209

2 1/2

NOTE:
MATERIAL .005 MINUMUM 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 INDENTIFYING 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° |

| | | | | |
|---|---|---|---|---|
| MATL: NOTED | | | | BALDOR ELECTRIC Co. |
| REV: | G | CHANGE ALL "NAMEPLATE" TEXT TO "LABEL" | | |
| 15209 | SCALE: – | BY: BKW | REVISED: 02/19/97 | LABEL, CONNECTIONS AND TERMINAL MARKINGS DC |
| | FILE: CHB00002485 | | TDR: 0115147 | |

15209