ABB BALDOR RELIANCE

# Customer information packet

D5060P

60HP/1750-2100RPM/DC/366AT

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## Specifications

| | |
|---|---|
| **Enclosure** | DPFG |
| **Frame** | 365-6AT |
| **Frame Material** | Steel |
| **Output Power** | 60.000 HP |
| **Agency Approvals** | CSA |
| **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 |
| **Heater Indicator** | No Heater |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Motor Standards** | NEMA |
| **Mounting Arrangement** | F1 |
| **Overall Length** | 35.88 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Slinger Indicator** | No Slinger |

## Part Detail

| | |
|---|---|
| **Revision** | C |
| **Type** | DC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | K0068A A |
| **Layout** | 877-1 |
| **Eff. date** | 03-06-2019 |
| **CD Diagram** | 15209 |
| **Poles** | 00 |
| **Leads** | |
| **Proprietary** | False |
| **Created date** | 04-09-2015 |

**Nameplate**

| NP1734 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | | | | **MODEL** | T36R8001 | | | | |
| **HP** | 60 | **RPM** | 1750/2100 | | **FRAME** | 365-6AT | | | |
| **ARM V** | 500 | **ARM A** | 98.60 | | **WOUND** | STAB SHUNT | | | |
| **FLD V** | 150/300 | **FLD A** | 5.86-3.50/2.93-1.75 | | | | | | |
| **CONN** | | **OHMS** | | | **CL** | F | | | |
| **ENCL** | DPFG | **DUTY** | CONT | | **MX AMB** | 40 | | | |
| **P CODE** | C | **CTSR** | | | **SER.F.** | 1.0 | | | |
| **S/N** | | | | **E/S** | K0068A A | | | | |
| | BRUSH:36024-3 | | | | | | | | |
| **O.D.E. BRG.** | 6211 | **D.E. BRG.** | 6213 | | **BRUSH** | 36024-3 | **QTY** | | |

**Parts List**

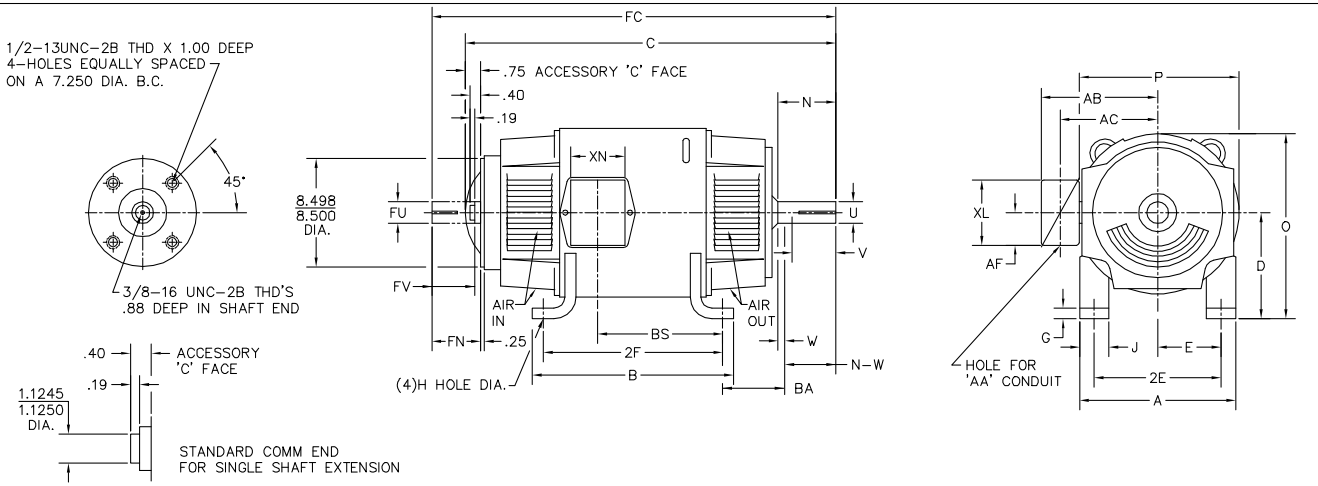
| Part number | Description | Quantity |
|---|---|---|
| SA297025 | SA T36R8001 | 1.000 ea |
| AA016076 | AA T36R8001 | 1.000 ea |
| 036170004DA | DRSCW METRIC NAMEPLATE | 4.000 ea |
| NP1734 | NPL,BALDOR DC MTR ALUMINUM | 1.000 ea |
| 15209 | LABEL CONNECTIONS & TERMINAL MARKIN | 1.000 ea |
| 032018004BK | HHCS 5/16-18X1/2 PLATED | 4.000 ea |
| 15094 | DISHED LOCKWASHER .332 ID, .865 OD | 4.000 ea |
| 36004-1 | BRUSH ROCKER ASSY | 1.000 ea |
| 36024-3 | BRUSH,360 FR. SERIES E-77 HE | 4.000 ea |
| 004824015A | GREASE POLYREX EM | 0.600 lb |
| 032018012DK | HHCS 1/2-13X1-1/2 PLTD. 032018012DR | 4.000 ea |
| 032018012DK | HHCS 1/2-13X1-1/2 PLTD. 032018012DR | 4.000 ea |
| 032130018BA | HSHCS 2-1/4" LG M2 | 4.000 ea |
| 035000001A | ALFTG 1/8" 1610-BL | 1.000 ea |
| 035000001A | ALFTG 1/8" 1610-BL | 1.000 ea |
| 36038-14 | O.D.E. BRKT. MACH'D.,LCKD.BRGSTANDARD 36 | 1.000 ea |
| 36039-14 | D.E. BRKT. MACH'D.,LCKD C/EBRG. | 1.000 ea |
| HW4500A17 | 317400 ALEMITE GREASE RELIEF | 1.000 ea |
| HW4500A17 | 317400 ALEMITE GREASE RELIEF | 1.000 ea |
| HW5100A13 | W4627-047 WVY WSHER | 1.000 ea |
| 032018004AK | HHCS 1/4-20X1/2 PLATED | 2.000 ea |
| 032018004AK | HHCS 1/4-20X1/2 PLATED | 4.000 ea |
| 032018004BK | HHCS 5/16-18X1/2 PLATED | 4.000 ea |
| 032018004BK | HHCS 5/16-18X1/2 PLATED | 44.000 ea |
| 032018006DK | HHCS 1/2-13X3/4 PLATED | 4.000 ea |
| 15021-1 | ACCESSORY FACE COVER FRAME 180-500 SERIE | 1.000 ea |
| 15024-4 | TERM.BOX CVR. FR-28,32,36DUREX P/N:D618 | 1.000 ea |
| 15024-5 | GASKET, T.BOX COVER | 1.000 ea |
| 150449-31 | GRD STUD ARG .312DIA STUD | 1.000 ea |
| 15599-37 | DRIVE SCR,#10 X.37 TYPE UPLATED STEEL | 6.000 ea |
| 36018-2 | SLD CVR,CE,FR-360 14 GA(.075THK) | 1.000 ea |

| | | |
|---|---|---|
| 36019-1 | GASKET CVR,FE,3/32 THK, ARMSTRONG DC205 | 3.000 ea |
| 36019-2 | GASKET CVR,CE,3/32 THK ARMSTRONG DC205 | 4.000 ea |
| 36020-1 | SMILE CVR,(LOUVERS)FR-36018 GA C.R. STEE | 1.000 ea |
| 36057-1 | VENT CVR,LVR,FE,FR-360 18 GA(.048THK) | 3.000 ea |
| 36057-2 | VENT CVR,LUVR,CE,FR-360 18 GA(.048THK) | 3.000 ea |
| 36113 | TERM BOX HOLE COVER FR 36 SERIES #16 GA | 1.000 ea |
| 36116-1 | TERM.BOX BASE FR-360 DUREX P/N:3BR | 1.000 ea |
| 36246 | GASKET,TERM.BOX,FR.360 1/8 THK ARMSTRONG | 1.000 ea |
| 36246 | GASKET,TERM.BOX,FR.360 1/8 THK ARMSTRONG | 1.000 ea |
| 004824007BTW | SPECIAL PAINT4824-3BVZ | 0.300 ea |
| 034180028HA | KEY 5/8X5/8X3-1/2L-445 | 1.000 ea |
| PA3100 | PACK FOR #3 SKID; CUSTOM | 1.000 ea |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| D5060P | 60HP/1750-2100RPM/DC/366AT | N2 |

877-1




| | 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 | FC | 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 | 33.50 | 36.71 | 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 | 35.38 | 38.58 | 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 | 37.38 | 40.58 | 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 | 33.69 | 37.56 | 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 | 35.88 | 39.75 | 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 | 38.88 | 42.75 | 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 | 42.20 | 46.10 | 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 | 46.31 | 49.10 | 9.00 [2] | 17.94 | 17.88 |

| | CONDUIT BOX | | | | | | | ARM APPROX. WK$^2$ LBS.FT.$^2$ | APPROXIMATE WEIGHT |
|---|---|---|---|---|---|---|---|---|---|
| FRAME | AA | AB | AC | AF | BS | XL | XN | | |
| 327AT | 2 | 12.94 | 10.32 | 5.00 | 11.81 | 7.88 | 5.25 | 8.45 | 700 [5] |
| 328AT | 2 | 12.94 | 10.32 | 5.00 | 13.68 | 7.88 | 5.25 | 9.67 | 775 [5] |
| 329AT | 2 | 12.94 | 10.32 | 5.00 | 15.68 | 7.88 | 5.25 | 10.97 | 884 [5] |
| 365AT | 2 1/2 | 14.06 | 11.38 | 5.00 | 9.06 | 7.88 | 5.25 | 15.61 | 765 [5] |
| 366AT | 2 1/2 | 14.06 | 11.38 | 5.00 | 11.25 | 7.88 | 5.25 | 18.27 | 875 [5] |
| 368AT | 2 1/2 | 14.06 | 11.38 | 5.00 | 14.25 | 7.88 | 5.25 | 22.21 | 1035 [5] |
| 3610AT | 3 | 16.86 | 13.09 | 6.53 | 18.25 | 11.63 | 7.76 | 28.00 | 1070 [5] |
| 3612AT | 3 | 16.86 | 13.09 | 6.53 | 24.25 | 11.63 | 7.76 | 31.60 | 1136 [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.
6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

877-1

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

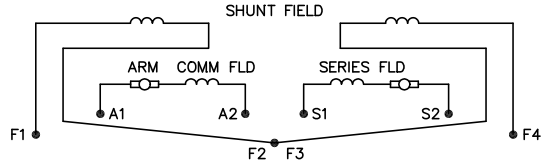
| | | |
|---|---|---|
| REV. DESC: RELOAD TO BUS | | BALDOR |
| REV. LTR: C | VERSION: 02 | TDR: 000000773327 |
| FILE: \RGG\00019\101 | REVISED: 10:43:23 11/09/2012 | BY: RGGWT |
| MTL: - | | DIM SHEET SH 1 of 1 |

15209

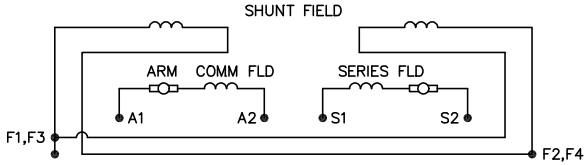
ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE

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

3 1/4

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 | | | | |
| REV: | G | CHANGE ALL "NAMEPLATE" TEXT TO "LABEL" | | |
| 15209 | SCALE: – | BY: BKW | REVISED: 02/19/97 | |
| | FILE: CHB00002485 | | TDR: 0115147 | |

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

15209