

# **ABB BALDOR RELIANCE III**



## **Customer information packet**

D50100P

100HP, 1750/2000RPM, DC, 368AT, DPF, FX, N

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7/8/2026 12:55:04 PM

**Specifications**

<b>Enclosure</b>	DPFG
<b>Frame</b>	368AT
<b>Frame Material</b>	Steel
<b>Output Power</b>	100.000 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>	38.88 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>	B
<b>Type</b>	DC
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	K0093A A
<b>Layout</b>	877-1
<b>Eff. date</b>	03-06-2019
<b>CD Diagram</b>	15209
<b>Poles</b>	00
<b>Leads</b>	
<b>Proprietary</b>	False
<b>Created date</b>	04-09-2015

**Nameplate**

<b>NP1734</b>					
<b>CAT.NO.</b>		<b>MODEL</b>	T36R8003		
<b>HP</b>	100	<b>RPM</b>	1750/2000	<b>FRAME</b>	0368AT
<b>ARM V</b>	500	<b>ARM A</b>	158.00	<b>WOUND</b>	STR. SHUNT
<b>FLD V</b>	150/300	<b>FLD A</b>	8.84-6.00/4.42-3.00		
<b>CONN</b>		<b>OHMS</b>		<b>CL</b>	F
<b>ENCL</b>	DPFG	<b>DUTY</b>	CONT	<b>MX AMB</b>	40
<b>P CODE</b>	D	<b>CTSR</b>		<b>SER.F.</b>	1.0
<b>S/N</b>		<b>E/S</b>	K0093A A		
	BRUSH:36024-3				
<b>O.D.E. BRG.</b>	6211	<b>D.E. BRG.</b>	6213	<b>BRUSH</b>	<b>QTY</b>

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
D50100P	100HP,1750/2000RPM,DC,368AT,DPFG,FX,N	N2

877-1

1/2-13UNC-2B THD X 1.00 DEEP  
4-HOLES EQUALLY SPACED  
ON A 7.250 DIA. B.C.

3/8-16 UNC-2B THD'S  
.88 DEEP IN SHAFT END

45°

8.498  
8.500  
DIA.

.40  
.19

FC

C

.75 ACCESSORY 'C' FACE

.40

.19

N

FU

FV

FN

AIR IN

.25

BS

2F

B

BA

N-W

W

U

V

XL

AF

HOLE FOR 'AA' CONDUIT

AB

P

AC

O

D

J

E

2E

A

STANDARD COMM END  
FOR SINGLE SHAFT EXTENSION

1.1245  
1.1250  
DIA.

.40

.19

ACCESSORY  
'C' FACE

FRAME	FOOT MOUNTING						D.E. SHAFT EXTENSION					DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY		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 <sup>3</sup>	.15	.500	3.12	3.94	1.875	3.69	.500	2.81	15.88	15.75	33.50	36.71	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	35.38	38.58	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	37.38	40.58	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	33.69	37.56	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	35.88	39.75	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	38.88	42.75	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	42.20	46.10	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	46.31	49.10	9.00 <sup>2</sup>	17.94	17.88

FRAME	CONDUIT BOX						ARM APPROX. WK <sup>2</sup> LBS.FT. <sup>2</sup>	APPROXIMATE WEIGHT	
	AA	AB	AC	AF	BS	XL			
327AT	2	12.94	10.32	5.00	11.81	7.88	5.25	8.45	700 <sup>5</sup>
328AT	2	12.94	10.32	5.00	13.68	7.88	5.25	9.67	775 <sup>5</sup>
329AT	2	12.94	10.32	5.00	15.68	7.88	5.25	10.97	884 <sup>5</sup>
365AT	2 1/2	14.06	11.38	5.00	9.06	7.88	5.25	15.61	765 <sup>5</sup>
366AT	2 1/2	14.06	11.38	5.00	11.25	7.88	5.25	18.27	875 <sup>5</sup>
368AT	2 1/2	14.06	11.38	5.00	14.25	7.88	5.25	22.21	1036 <sup>5</sup>
3610AT	3	16.86	13.09	6.53	18.25	11.63	7.76	28.00	1070 <sup>5</sup>
3612AT	3	16.86	13.09	6.53	24.25	11.63	7.76	31.60	1136 <sup>5</sup>

1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005  
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010  
SHAFT DIAMETERS TO 1.825 RUNOUT .002 T.I.R. MAX.  
SHAFT DIAMETERS ABOVE 1.825 RUNOUT .003 T.I.R. MAX.  
2) 'D' DIMENSION TOLERANCE +.000 - .060  
3) 'Y' 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

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

REV. DESC: RELOAD TO BUS	VERSION: 02	TDR: 000000773327
FILE: LTR: C	REVISD: 10:43:23 11/09/2012	BY: RCGWT
FILE: \RGG\00019\101		
MTL: -		

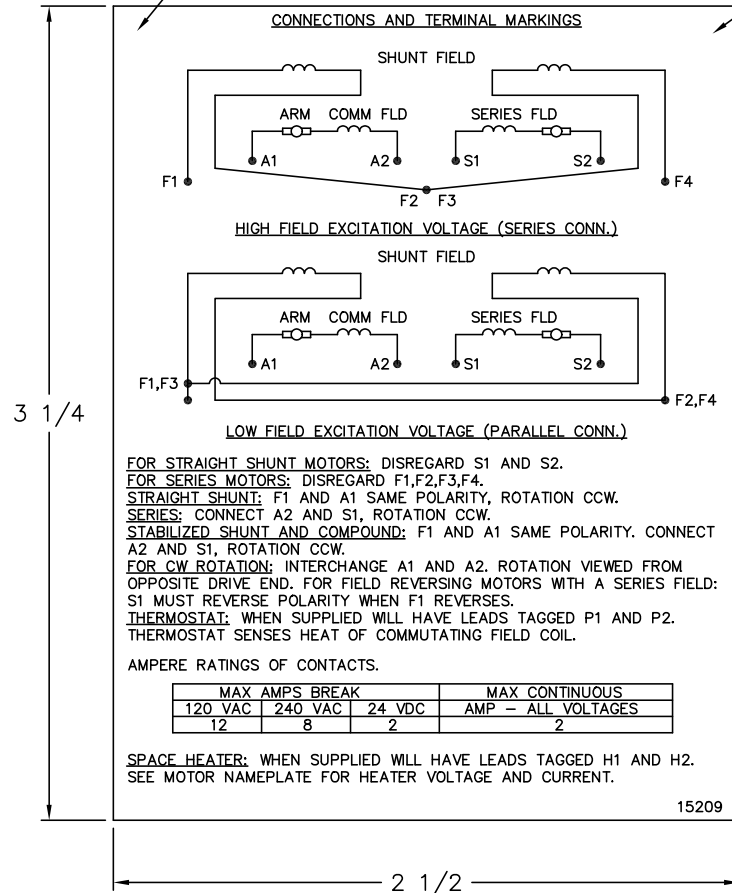
**BALDOR**

DIM SHEET  
SH 1 of 1

15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE



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.

**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
		FILE: CHB00002485	REVISED: 02/19/97
		TDR: 0115147	

**BALDOR ELECTRIC Co.**

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC