

ABB BALDOR RELIANCE III

Customer information packet

D50100P2-BV

100HP, 1750/2000RPM, DC, 368AT, DPBV, F1, N

Specifications

Enclosure	DPBV
Frame	368AT
Frame Material	Steel
Output Power	100.000 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	STR. SHUNT
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	38.13 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.	K0093A A
Layout	1336-4
Eff. date	08-01-2024
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

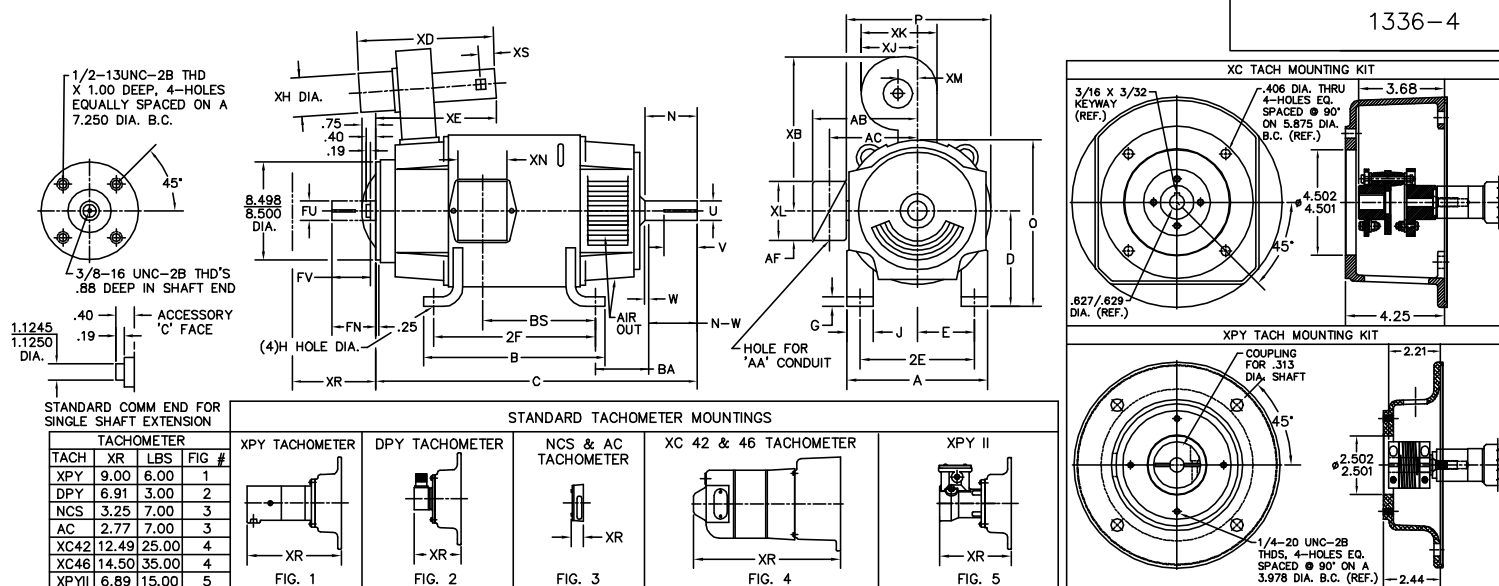
Nameplate

NP1734						
CAT.NO.			MODEL	T36R8008		
HP	100	RPM	1750/2000	FRAME	0368AT	
ARM V	500	ARM A	158.00	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	C	CTSR		SER.F.	1.0	
S/N			E/S	K0093A A		
	BRUSH:36024-3					
O.D.E. BRG.	6211	D.E. BRG.	6213	BRUSH		QTY

Parts List

Part number	Description	Quantity
SA297018	SA T36R8008	1.000 ea
AA016069	AA T36R8008	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
150247	CAUTION LABEL,BLWR WHEEL ROTATION,MYLAR	1.000 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
36004-2	BRUSH ROCKER ASSY FR 36 SERIES	1.000 ea
36024-3	BRUSH,360 FR. SERIES E-77 HE	8.000 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 WSHR	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	3.000 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
032018006BK	HHCS 5/16-18X3/4 PLATED	4.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
FLT6320	LM6 FILTER KIT ASSEMBLY	1.000 ea
10156-1	BLOWER WHEEL	1.000 ea

10159-1	HOUSING ASSY,LM6 BLOWER, ALUMINUM,MACH C	1.000 ea
10XN2520K12	1/4-20 X.75 GRD 5	5.000 ea
35V523S921G1	1HP,3450//2850RPM,3PH,60//50HZ,56CZ,3516	1.000 ea
91XN3816A16	3/8-16X1 HEX SOC CNTRSK	4.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	5.000 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
36018-2	SLD CVR,CE,FR-360 14 GA(.075THK)	3.000 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
36066-1	BLW ADPTR,LM6,360 & 400 FR,OFFSET 1.5" F	1.000 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



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. WK ² 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

REV. LTR: G

VERSION: 01

TDR: 000000752448

FILE: \RGG\00019\490

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

MTL: -

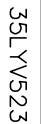
BY: RGGNAS

BALDOR

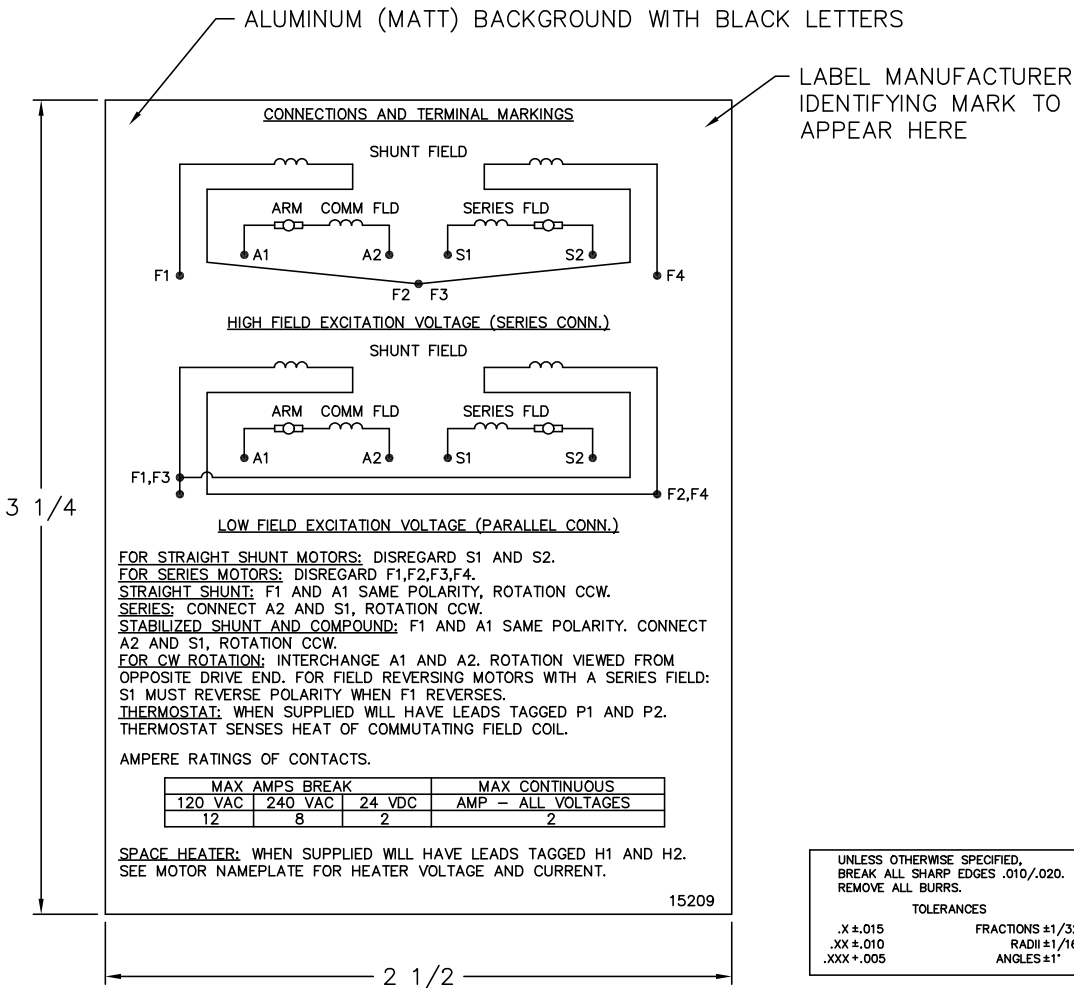
DIM SHEET: 327-3612AT,DPBV,W/TACH

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.

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

15209