

ABB BALDOR RELIANCE III

Customer information packet

D50200P2-BV

0409AT, 200, 1750RPM, 500, 150, ,

Specifications

Enclosure	DPBV
Frame	409AT
Frame Material	Steel
Output Power	200.000 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	43.88 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part Detail

Revision	B
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0109A A
Layout	1336-5
Eff. date	03-06-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

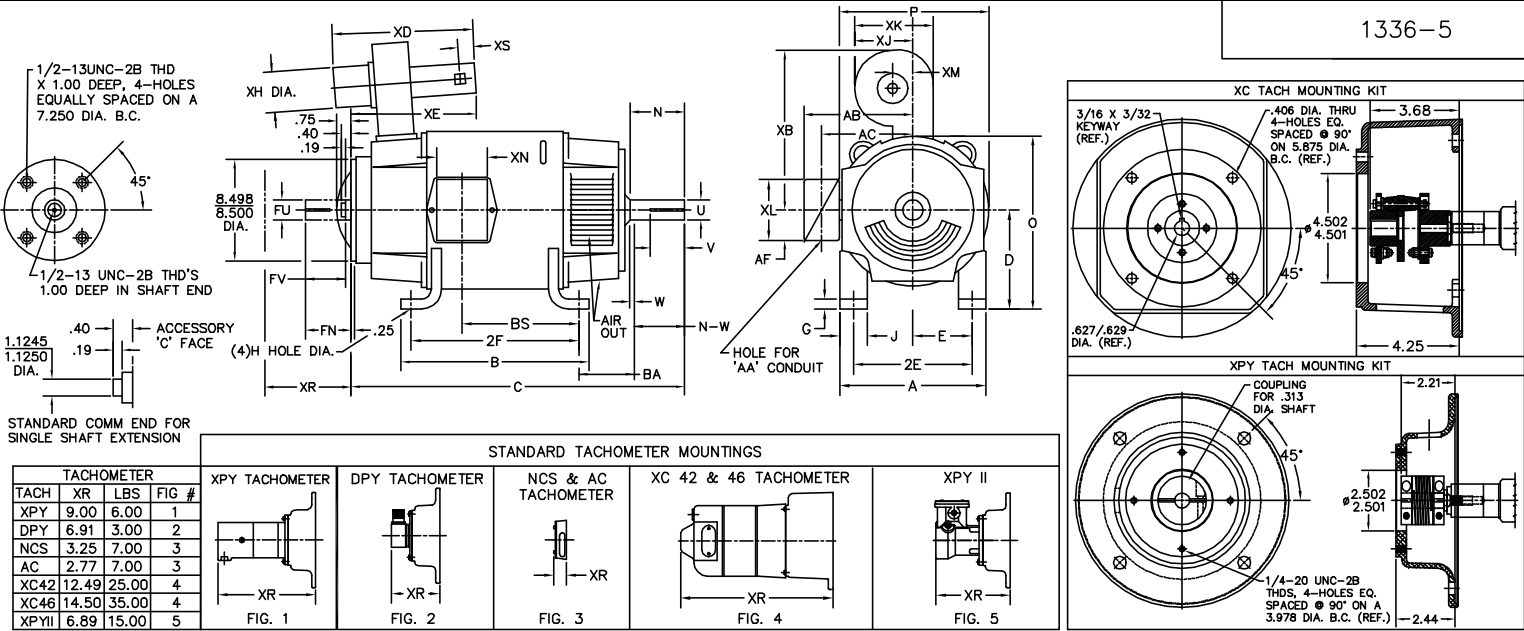
Nameplate

NP1734						
CAT.NO.			MODEL	T40R8004		
HP	200	RPM	1750/1900	FRAME	0409AT	
ARM V	500	ARM A	311.00	WOUND	STR. SHUNT	
FLD V	150/300	FLD A	11.14-7.50/5.57-3.75			
CONN		OHMS		CL	F	
ENCL	DPBV	DUTY	CONT	MX AMB	40	
P CODE	C	CTSR		SER.F.	1.0	
S/N			E/S	K0109A A		
	BRUSH:40019-3					
O.D.E. BRG.	6213	D.E. BRG.	6214	BRUSH		QTY

Parts List

Part number	Description	Quantity
SA297007	SA T40R8004	1.000 ea
AA016058	AA T40R8004	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
40005-2	DUAL BRUSH ROCKER ASSY	1.000 ea
40019-3	BRUSH,400 FR. SERIES E-77 SGL/CARBON	8.000 ea
004824015A	GREASE POLYREX EM	0.900 lb
032018010BK	HHCS 5/16-18X1-1/4 PLTD.	4.000 ea
032018010DK	HHCS 1/2-13X1-1/4 PLATED	4.000 ea
032018010DK	HHCS 1/2-13X1-1/4 PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
151132	WAVE SPRING,#SSB-0492, CARB.STL,SMALLEY	1.000 ea
40020-2	FE BRKT MACH FR 400	1.000 ea
40021-2	CE BRKT MACH FR 400 STD L	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	3.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 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	6.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
034036014AB	EX.TOOTH LCKW 3/8 PLTD.	1.000 ea
10223	LM8 BLOWER ASSEMBLY LARGE MOTOR	1.000 ea
P10230	FILTER KIT FOR LM8/LM9 BLOWER ASSEMBLY	1.000 ea

15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 ea
15025	TERMINAL BOX BACK FRAME 36 & 40 SERIES #	1.000 ea
15026-1	COVER TERM BOX MACH FR 36 & 40 SERIES	1.000 ea
150906-62	GRDG STUD,HX HD BOLT 3/8-16,W/HD PAINTED	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	4.000 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
36066-2	BLWR ADAPTR FOR 360 & 400 TO MOUNT LM8 O	1.000 ea
36246	GASKET,TERM.BOX,FR.360 1/8 THK ARMSTRONG	1.000 ea
40030-1	FLANGENIPPLEMACH400FRAME3"-8N.P.T40030	1.000 ea
HW4001A15	3.00 NPT RECESSED HEAD PLUG, RIGID (PLG	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.300 ea
034180032HA	KEY 5/8X5/8X4	1.000 ea
PA3100	PACK FOR #3 SKID; CUSTOM	1.000 ea



TACHOMETER					STANDARD TACHOMETER MOUNTINGS				
TACH	XR	LBS	FIG #		XPY TACHOMETER	DPY TACHOMETER	NCS & AC TACHOMETER	XC 42 & 46 TACHOMETER	XPY II
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						

	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	
407AT	6.63	8.00	18.00	.81	.938	4.00	5.44	5.25	2.625	5.00 ³	.19	.625	4.00	4.95	2.375	4.70	.625	3.50	20.00	20.00	39.38	10.00 ²	20.19	20.38	
L407AT	6.63	8.00	18.00	.81	.938	4.00	5.44	5.25	2.625	5.00 ³	.19	.625	4.00	4.95	2.375	4.70	.625	3.50	20.00	20.00	40.50	10.00 ²	20.19	20.38	
409AT	6.63	8.00	22.00	.81	.938	4.00	5.44	5.25	2.625	5.00 ³	.19	.625	4.00	4.95	2.375	4.70	.625	3.50	20.00	24.00	43.88	10.00 ²	20.19	20.38	
L409AT	6.63	8.00	22.00	.81	.938	4.00	5.44	5.25	2.625	5.00 ³	.19	.625	4.00	4.95	2.375	4.70	.625	3.50	20.00	24.00	45.00	10.00 ²	20.19	20.38	
L4011AT	6.63	8.00	28.00	.81	.938	4.00	5.44	5.25	2.625	5.00 ³	.19	.625	4.00	4.95	2.375	4.70	.625	3.50	20.00	30.00	52.75	10.00 ²	20.19	20.38	

	CONDUIT BOX							BLOWER								ARM APPROX. LBS.FT. ²	APPROXIMATE WEIGHT	
FRAME	AA	AB	AC	AF	BS	XL	XN	SIZE	XB	XD	XE	XH	XM	XJ	XK			XS
407AT	3	18.28	14.45	3.34	14.50	11.63	7.76	LM6	19.63	26.38	19.05	10.25	5.69	10.95	11.50	3.75	35.47	1355 ⁵
L407AT	3	18.28	14.45	3.34	15.62	11.63	7.76	LM6	19.63	26.38	19.05	10.25	5.69	10.95	11.50	3.75	35.47	1405 ⁵
409AT	3	18.28	14.45	3.34	19.00	11.63	7.76	LM6	19.63	26.38	19.05	10.25	5.69	10.95	11.50	3.75	43.81	1651 ⁵
L409AT	3	18.28	14.45	3.34	20.12	11.63	7.76	LM6	19.63	26.38	19.05	10.25	5.69	10.95	11.50	3.75	43.81	1701 ⁵
L4011AT	4	19.28	14.63	3.50	27.70	13.40	13.50	LM9	26.02	28.31	21.20	10.75	12.49	20.93	15.25	3.75	55.64	2483 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

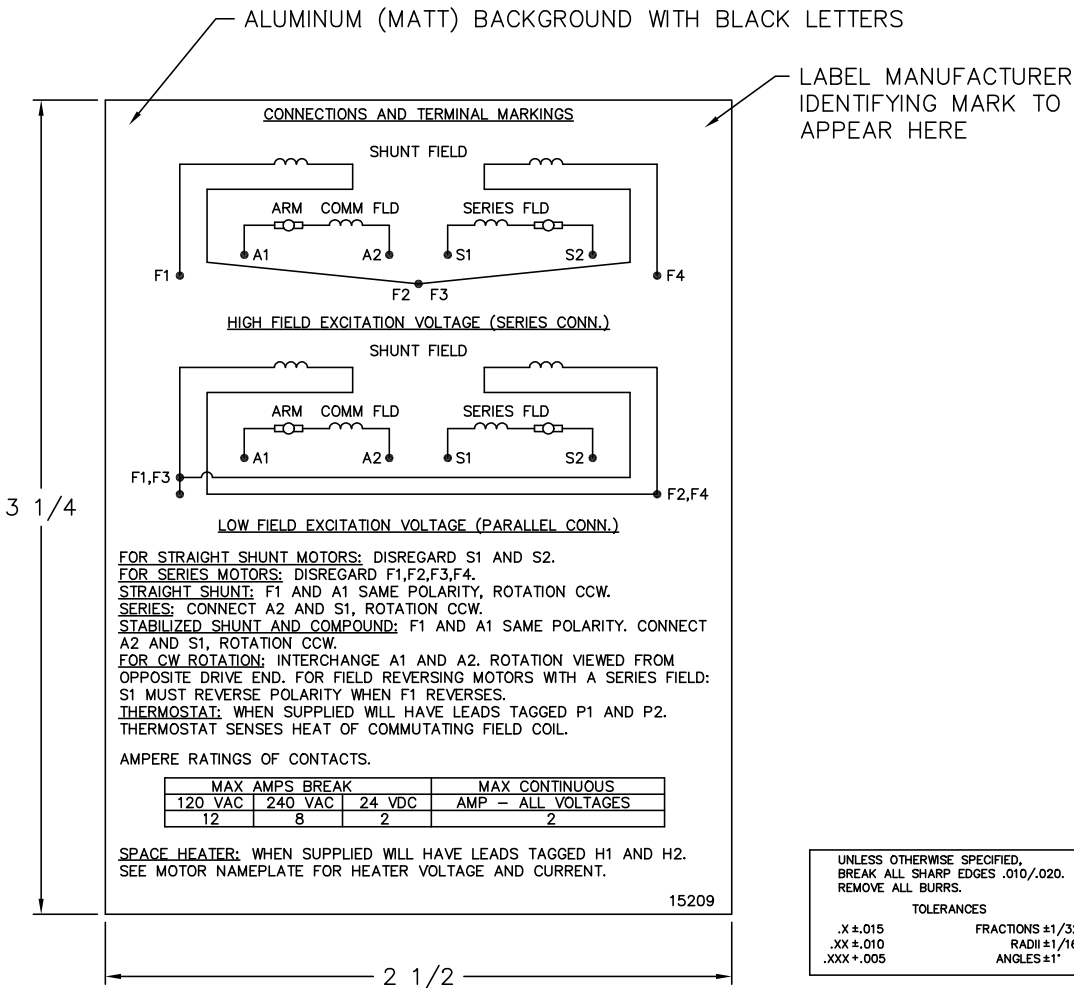
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: PROVIDE "D" DIM TOL. TO ONLY THOSE OF DIM. 10.00"		
REV. LTR: G	VERSION: 01	TDR: 000000750921
FILE: \RGG\00019\442		REVISED: 09:38:49 06/11/2012
MTL: -		BY: RGGNAS

BALDOR

DIM SHEET: 407-L4011AT,DPBV,W/TACH
SH 1 of 1

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