

ABB BALDOR RELIANCE III

Customer information packet

D50100P

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

Specifications

Enclosure	DPFG
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	38.88 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.	K0093A A
Layout	877-1
Eff. date	03-06-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

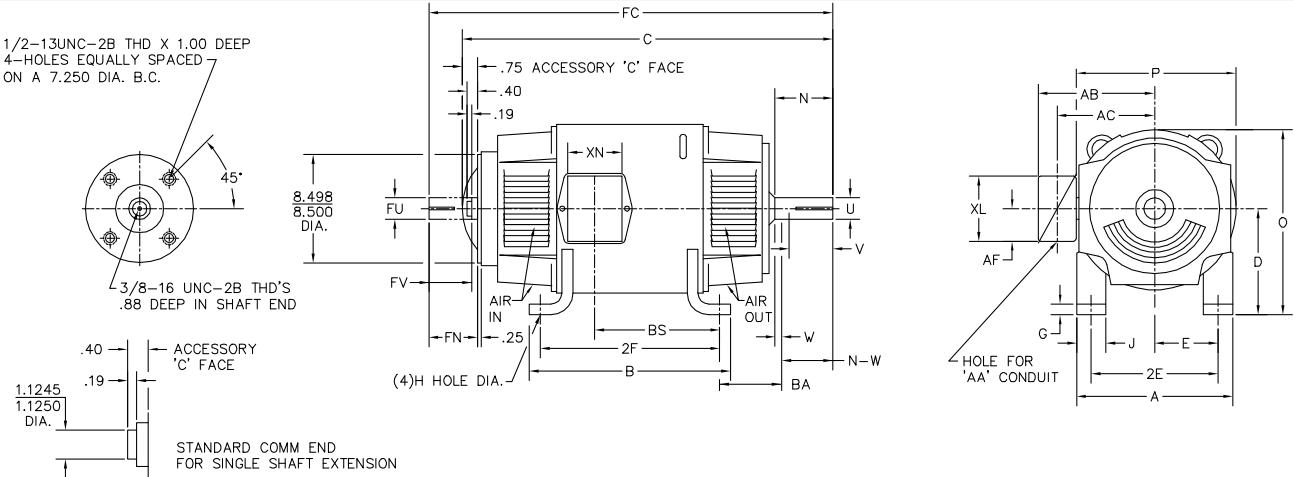
Nameplate

NP1734									
CAT.NO.				MODEL	T36R8003				
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	DPFG		DUTY		CONT		MX AMB		40
P CODE	D		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

Accessories

Part number	Description	Multiplier
D50100P	100HP,1750/2000RPM,DC,368AT,DPFG,FX,N	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	1036 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

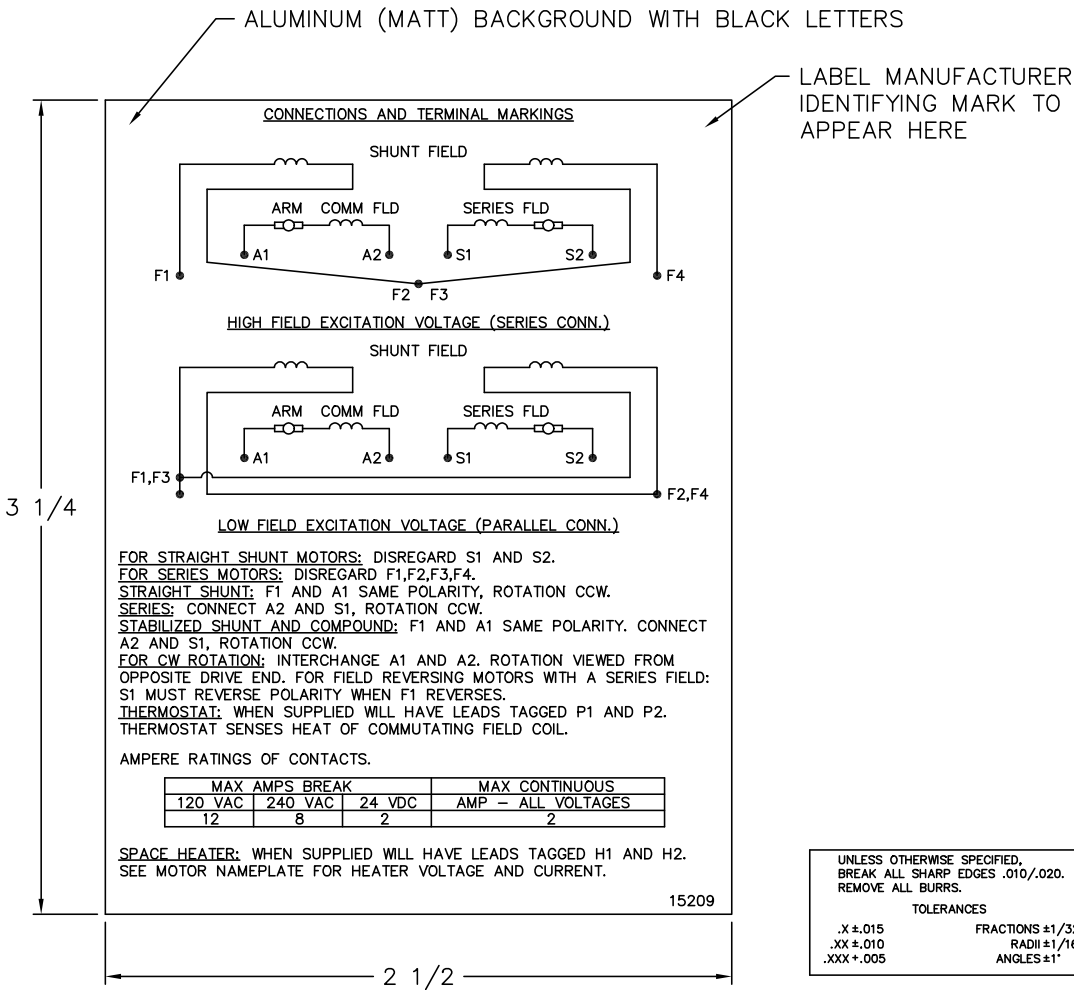
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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

BALDOR
DIM SHEET
SH 1 of 1

877-1

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

REVISED: 02/19/97

FILE: CHB00002485

TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

15209