

ABB BALDOR RELIANCE III

Customer information packet D5030P

0288AT, 30HP, 1750RPM, 500, 150, DPFG, F1

Specifications

Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Frame	288AT
Output Power	30.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	50.0 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	32.75 IN
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0074A A
Layout	876-2
Eff. date	12-16-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-12-2019

Nameplate

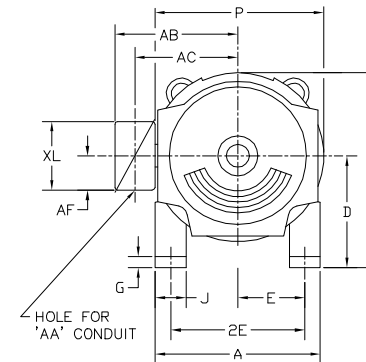
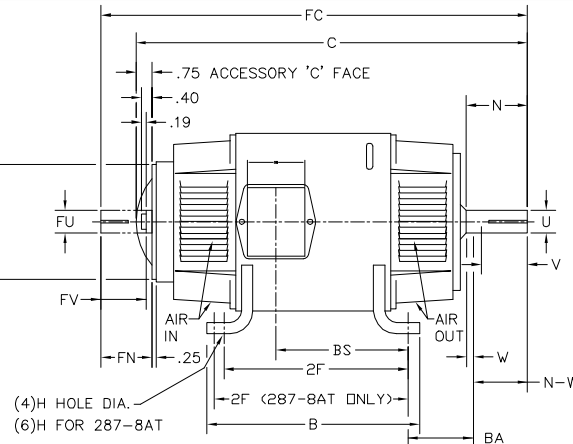
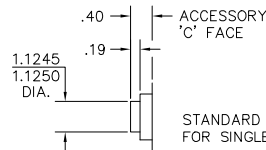
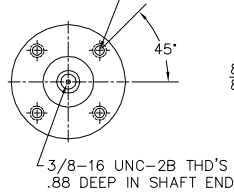
NP1734									
CAT.NO.				MODEL	T28S8004				
HP	30	RPM		1750/2300		FRAME		0288AT	
ARM V	500		ARM A		50.00		WOUND		STR. SHUNT
FLD V	150/300		FLD A		4.00-2.42/2.00-1.21				
CONN			OHMS					CL	F
ENCL	DPFG		DUTY		CONT		MX AMB		40
P CODE	D		CTSR					SER.F.	
S/N				E/S		K0074A A			
	-								
O.D.E. BRG.	6209	D.E. BRG.		6210		BRUSH		15017-2	
								QTY	2

Accessories

Part number	Description	Multiplier
93EP5000A02	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	

876-2

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



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								
2B7AT	4.75	5.50	12.50	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	14.13	31.00	33.71	7.00 ²	13.88	13.75								
2B7-8AT	4.75	5.50	12.50 & 14.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	15.62	31.00	33.71	7.00 ²	13.88	13.75								
2B8AT	4.75	5.50	14.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	15.62	32.75	35.46	7.00 ²	13.88	13.75								
2B10AT	4.75	5.50	18.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	19.62	36.75	39.46	7.00 ²	13.88	13.75								
2B11AT	4.75	5.50	20.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	21.62	40.68	43.84	7.00 ²	13.88	13.75								
2B13AT	4.75	5.50	25.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	26.62	44.62	47.84	7.00 ²	13.88	13.75								

FRAME	CONDUIT BOX							ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT
	AA	AB	AC	AF	BS	XL	XN		
2B7AT	1 1/4	11.88	9.25	5.00	10.89	7.88	5.25	4.67	506 ⁵
2B7-8AT	1 1/4	11.88	9.25	5.00	10.89	7.88	5.25	4.67	506 ⁵
2B8AT	1 1/4	11.88	9.25	5.00	12.64	7.88	5.25	5.36	566 ⁵
2B10AT	1 1/4	11.88	9.25	5.00	16.64	7.88	5.25	6.80	726 ⁵
2B11AT	1 1/4	11.88	9.25	5.00	19.14	7.88	5.25	7.62	751 ⁵
2B13AT	1 1/4	11.88	9.25	5.00	23.64	7.88	5.25	9.40	796 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

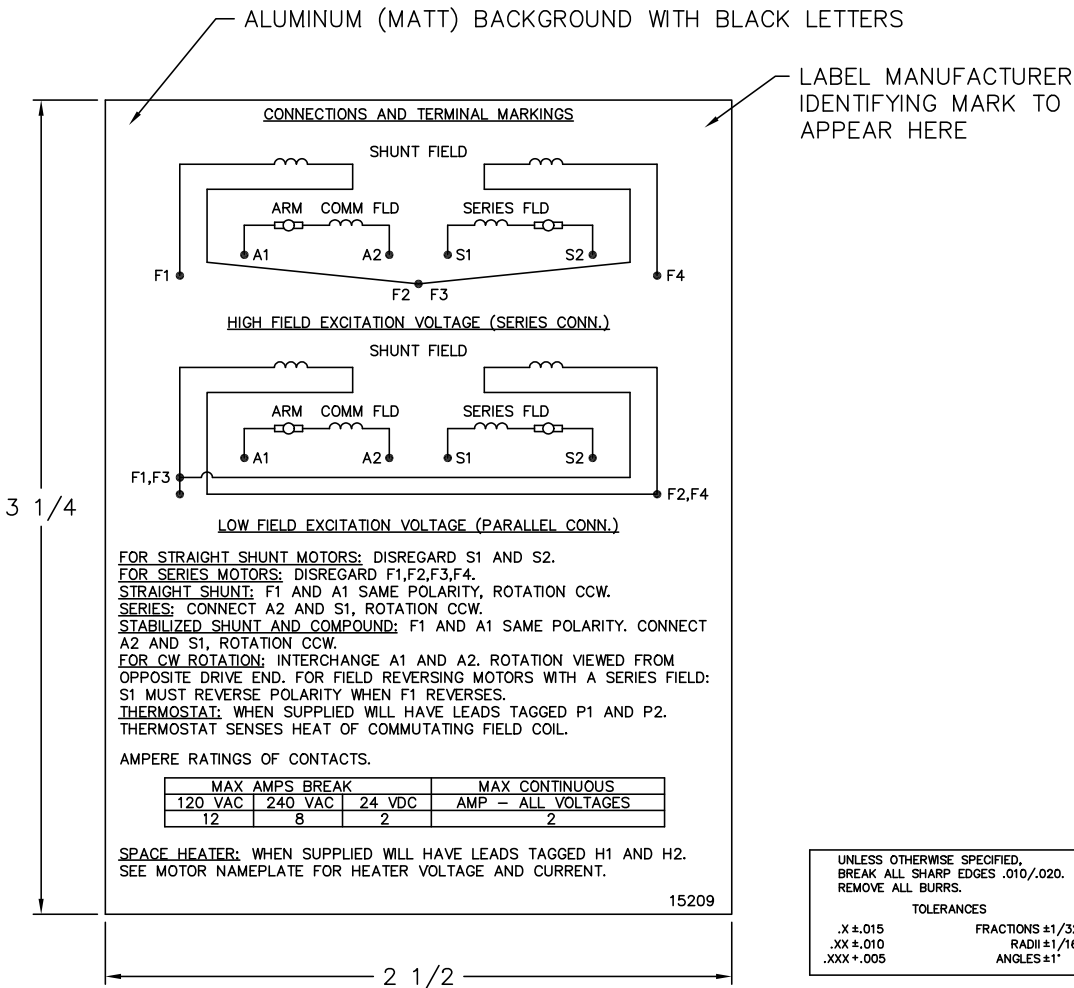
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CHANGE TO LAB OFFICE 015		
REV. LTR: G	VERSION: 05	TDR: 00000951746
FILE: \RSN\00031\749	REVISED: 04:29:16 11/03/2015	BY: USPABLO
MTL: -		

BALDOR
DIM SHEET 2B7AT-2B13AT,DPFG
SH 1 of 1

876-2

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