

ABB BALDOR RELIANCE III

Customer information packet

D5040P-BV

0328AT, 40HP, 1750RPM, 500, 150, DPBV, F1

Specifications

Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Frame	328AT
Output Power	40.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	67.9 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	38.58 IN
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0066A A
Layout	877-1
Eff. date	10-03-2023
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	11-27-2019

Nameplate

NP1734									
CAT.NO.	D5040P-BV			MODEL	T32S8004				
HP	40	RPM	1750/2100		FRAME	0328AT			
ARM V	500		ARM A	67.90	WOUND	STR. SHUNT			
FLD V	150/300		FLD A	6.80-4.34/3.40-2.17					
CONN			OHMS			CL	F		
ENCL	DPFG		DUTY	CONT		MX AMB	40		
P CODE	D		CTSR			SER.F.	1.0		
S/N				E/S	K0066A A				
	BRUSH:28610-2								
O.D.E. BRG.	6210	D.E. BRG.	6211	BRUSH		28610-2		QTY	2

Accessories

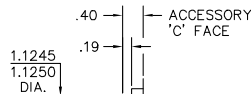
Part number	Description	Multiplier
D5040P-BV	0328AT,40HP,1750RPM,500,150,DPBV,F1	N2

877-1

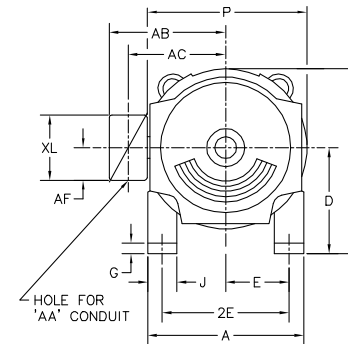
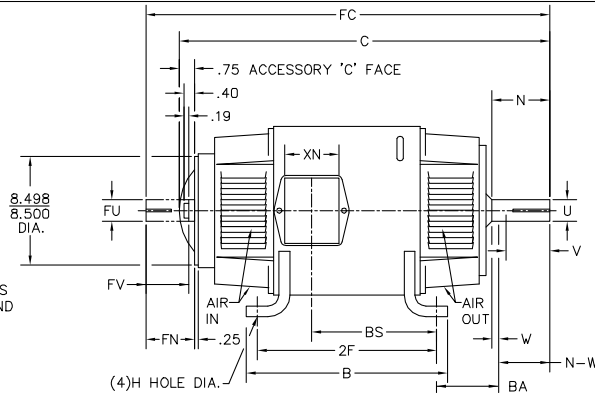
1/2-13UNC-2B THD X 1.00 DEEP
4-HOLES EQUALLY SPACED
ON A 7.250 DIA. B.C.



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



STANDARD COMM END
FOR SINGLE SHAFT EXTENSION



	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		
327AT	2	12.94	10.32	5.00	11.81	7.88	5.25	700 ⁵
328AT	2	12.94	10.32	5.00	13.68	7.88	5.25	775 ⁵
329AT	2	12.94	10.32	5.00	15.68	7.88	5.25	884 ⁵
365AT	2 1/2	14.06	11.38	5.00	9.06	7.88	5.25	765 ⁵
366AT	2 1/2	14.06	11.38	5.00	11.25	7.88	5.25	875 ⁵
368AT	2 1/2	14.06	11.38	5.00	14.25	7.88	5.25	1036 ⁵
3610AT	3	16.86	13.09	6.53	18.25	11.63	7.76	1070 ⁵
3612AT	3	16.86	13.09	6.53	24.25	11.63	7.76	1136 ⁵

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005
- 2) SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010
- 3) SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
- 4) SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 5) 'D' DIMENSION TOLERANCE +.000 - .060
- 6) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 7) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- 8) TOTAL WEIGHT OF MOTOR.
- 9) 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.

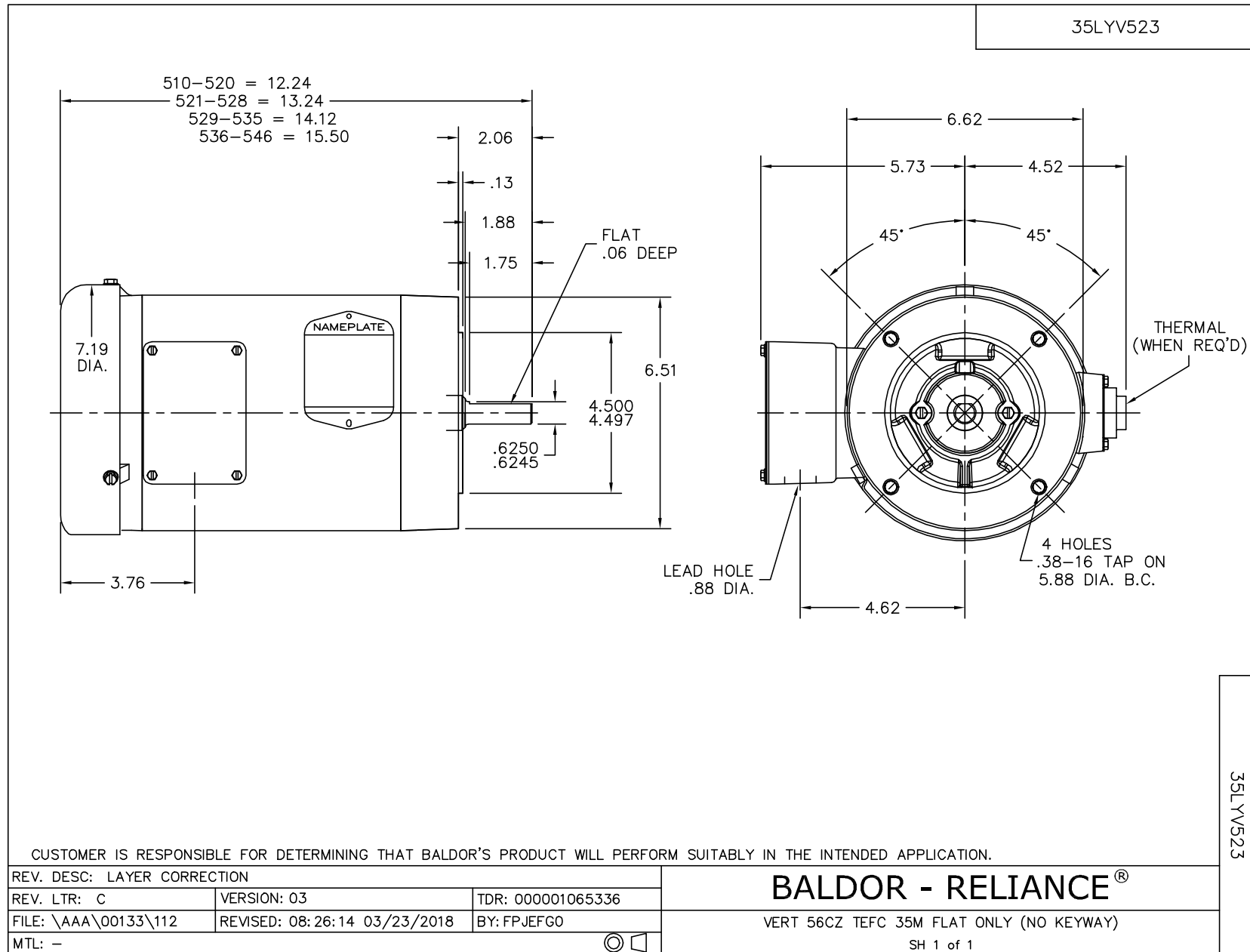
REV. DESC: RELOAD TO BUS		
REV. LTR: C	VERSION: 02	TDR: 000000773327
FILE: \RGG\00019\101	REVISED: 10:43:23 11/09/2012	BY: RGGWT
MTL: -		

BALDOR

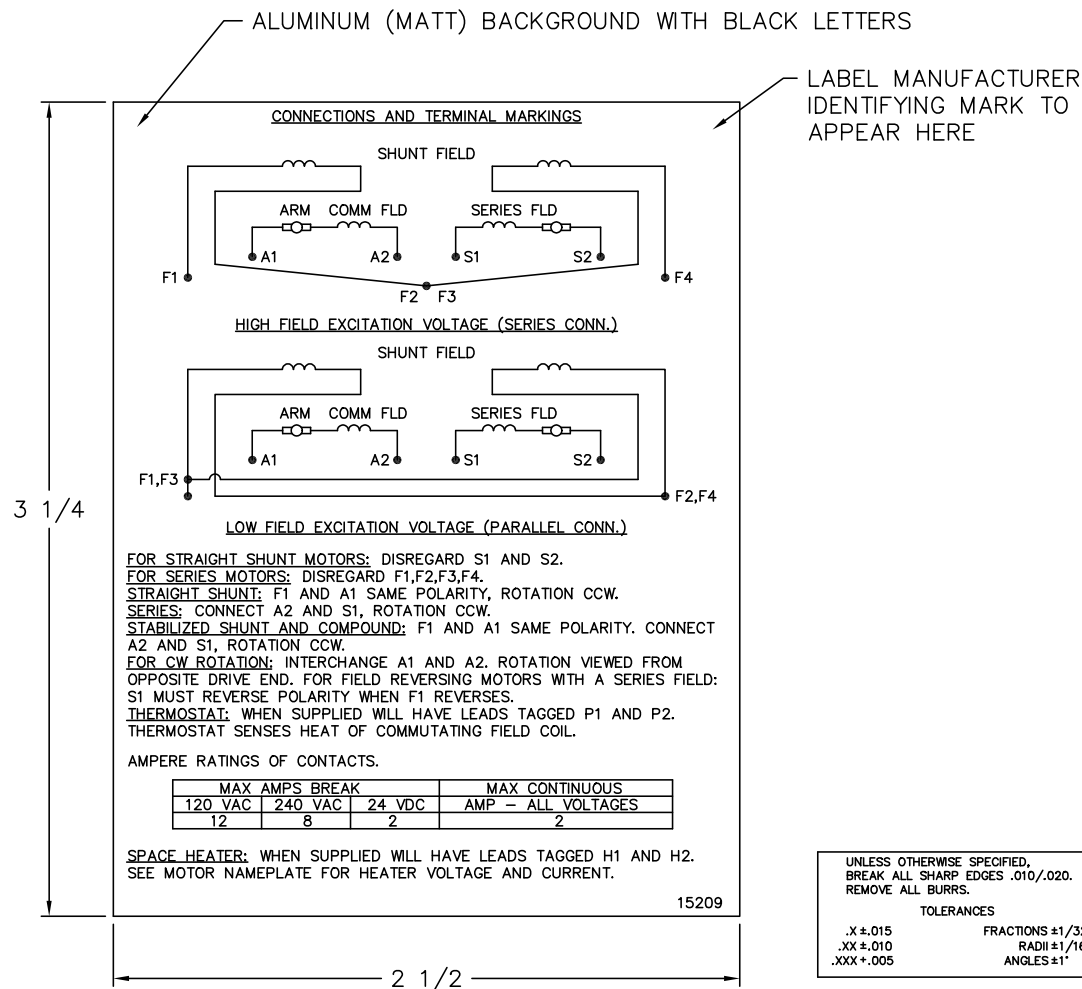
DIM SHEET

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.

UNLESS OTHERWISE SPECIFIED, BREAK ALL SHARP EDGES .010/.020. REMOVE ALL BURRS.

TOLERANCES

.X ±.015
 .XX ±.010
 .XXX ±.005

FRACTIONS ±1/32
 RADII ±1/16
 ANGLES ±1°

15209

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