



Customer information packet

D50300P2-BV

506AT, 300HP, 1750RPM, 500, 300, DPFG, F1

Specifications

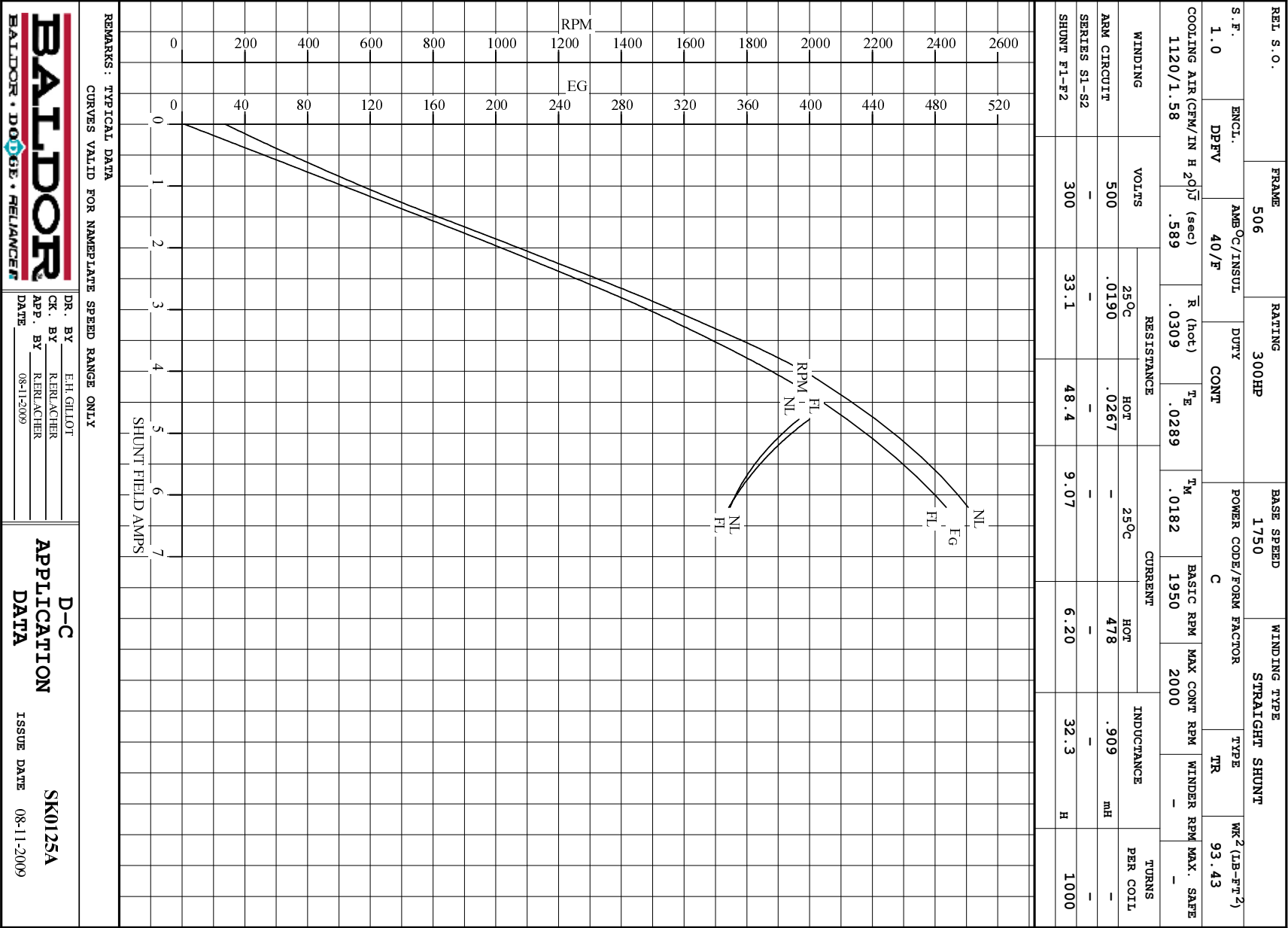
Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	300 V
Frame	506AT
Frame Material	Steel
Output Power	300.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	478.0 a
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback 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	49.00 IN
Service Factor	1.00
Shaft Diameter	3.249 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

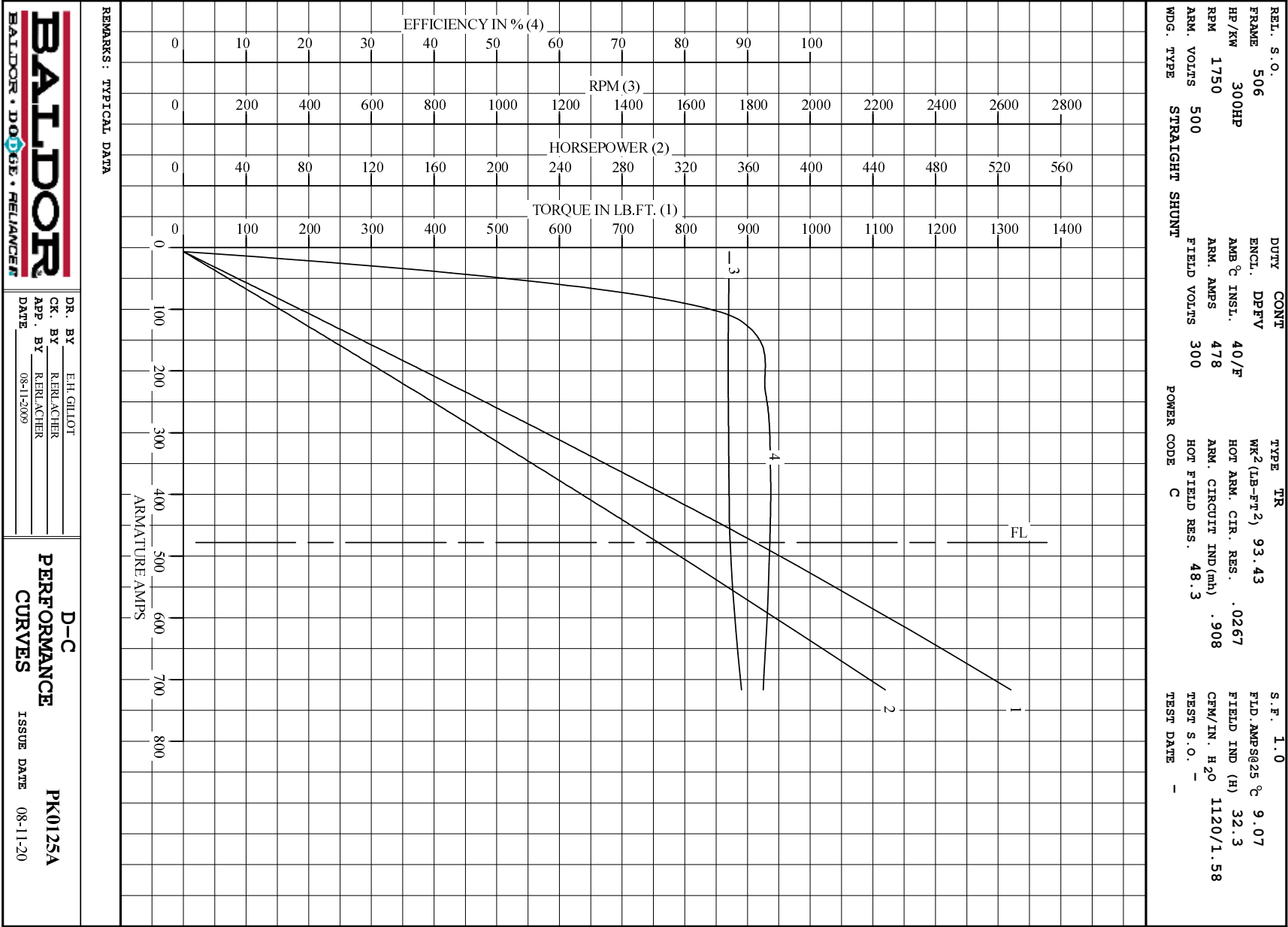
Part detail

Revision	D
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0125A
Layout	1336-6
Eff. date	03-22-2022
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

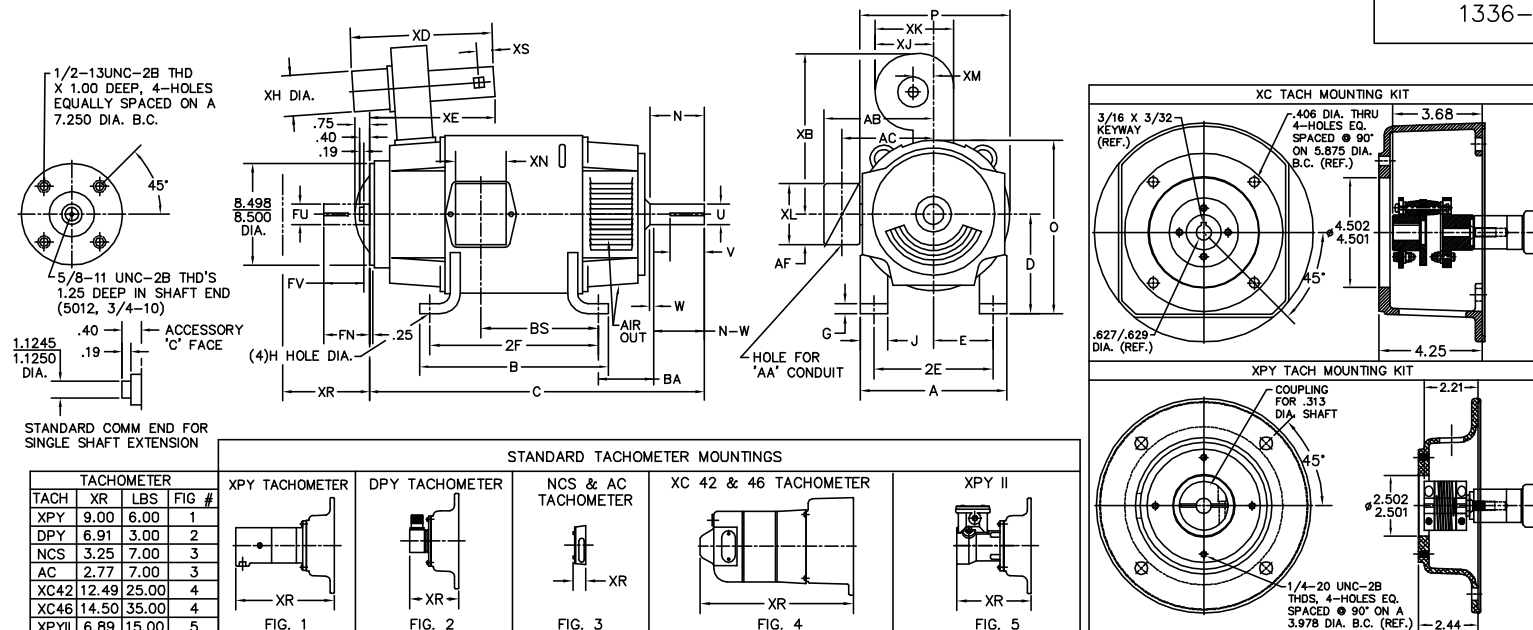
Nameplate

NP1734									
CAT.NO.	D50300P2-BV		MODEL		T50R8004				
HP	300	RPM	1750		FRAME		0506AT		
ARM V	500		ARM A		478.00	WOUND		STR. SHUNT	
FLD V	150/300	FLD A	18.14-12.40/9.07-6.20						
CONN			OHMS				CL	F	
ENCL	DPFG	DUTY	CONT				MX AMB	40	
P CODE	C	CTSR					SER.F.	1.00	
S/N			E/S		K00125A				
	BRUSH:50034-2								
O.D.E. BRG.	6216	D.E. BRG.	6218	BRUSH				QTY	





1336-6



STANDARD TACHOMETER MOUNTINGS

TACHOMETER	XPY TACHOMETER	DPY TACHOMETER	NCS & AC TACHOMETER	XC 42 & 46 TACHOMETER	XPY II
TACH	XR	LBS	FIG #		
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
504AT	8.50	10.00	16.00	1.18	1.188	4.50	6.76	6.57	3.250	6.32 ³	.19	.750	5.25	5.95	2.875	5.70	.750	5.00	24.88	18.88	45.00	12.50 ²	24.91	24.81
506AT	8.50	10.00	20.00	1.18	1.188	4.50	6.76	6.57	3.250	6.32 ³	.19	.750	5.25	5.95	2.875	5.70	.750	5.00	24.88	22.88	49.00	12.50 ²	24.91	24.81
508AT	8.50	10.00	25.00	1.18	1.188	4.50	6.76	6.57	3.250	6.32 ³	.19	.750	5.25	5.95	2.875	5.70	.750	5.00	24.88	27.88	54.00	12.50 ²	24.91	24.81
5010AT	8.50	10.00	32.00	1.18	1.188	4.50	6.76	6.57	3.250	6.32 ³	.19	.750	5.25	5.95	2.875	5.70	.750	5.00	24.88	34.88	61.00	12.50 ²	24.91	24.81
5011AT	8.50	10.00	36.00	1.18	1.188	4.50	6.76	6.57	3.375	6.32 ³	.19	.875	5.25	5.95	2.875	5.70	.750	5.00	24.88	38.88	65.00	12.50 ²	24.91	24.81
5012AT	8.50	10.00	43.00	1.18	1.188	4.50	7.06	6.87	4.250	6.62 ³	.19	1.000	5.25	5.95	2.875	5.70	1.000	5.00	24.88	45.88	73.75	12.50 ²	24.91	24.91

FRAME	AA	AB	AC	AF	BS	XL	XN	SIZE	XB	XD	XE	XH	XM	XJ	XK	XS	ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT
504AT	3	20.65	16.81	2.62	13.25	11.63	7.76	LM8	25.50	27.38	20.94	10.75	5.50	12.38	15.25	3.75	79.10	1957 ⁵
506AT	3	20.65	16.81	2.62	17.25	11.63	7.76	LM8	25.50	27.38	20.94	10.75	5.50	12.38	15.25	3.75	98.76	2337 ⁵
508AT	3	20.65	16.81	2.62	22.25	11.63	7.76	LM8	25.50	27.38	20.94	10.75	5.50	12.38	15.25	3.75	121.87	2867 ⁵
5010AT	4 ⁴	21.20	16.81	2.84	30.12	13.40	13.50	LM9	25.50	28.31	20.94	10.75	5.50	12.38	15.25	3.75	156	3520 ⁵
5011AT	4 ⁴	21.20	16.81	2.84	34.12	13.40	13.50	LM9	25.50	28.31	21.88	10.75	5.50	12.38	15.25	3.75	161	3680 ⁵
5012AT	4 ⁴	21.20	17.19	2.84	41.12	13.40	13.50	LM9	25.50	28.31	21.88	10.75	5.50	12.38	15.25	3.75	170	5177 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) TOLERANCE +.000 - .060
- 6) 'D' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 7) THERE ARE TWO HOLES FOR 4" CONDUIT, SECOND HOLE IS 6" TOWARD DRIVE END
- 8) TOTAL WEIGHT OF MOTOR AND BLOWER LESS TACH WEIGHT.
- 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 MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CHG (5011)U DIM TO 3.375, KEY-SQ TO .875

REV. LTR: G

BY: MBT

REVISED: 15:36:07/17/2002

TDR: 273841

9-9CCL

FILE: CHB00001076

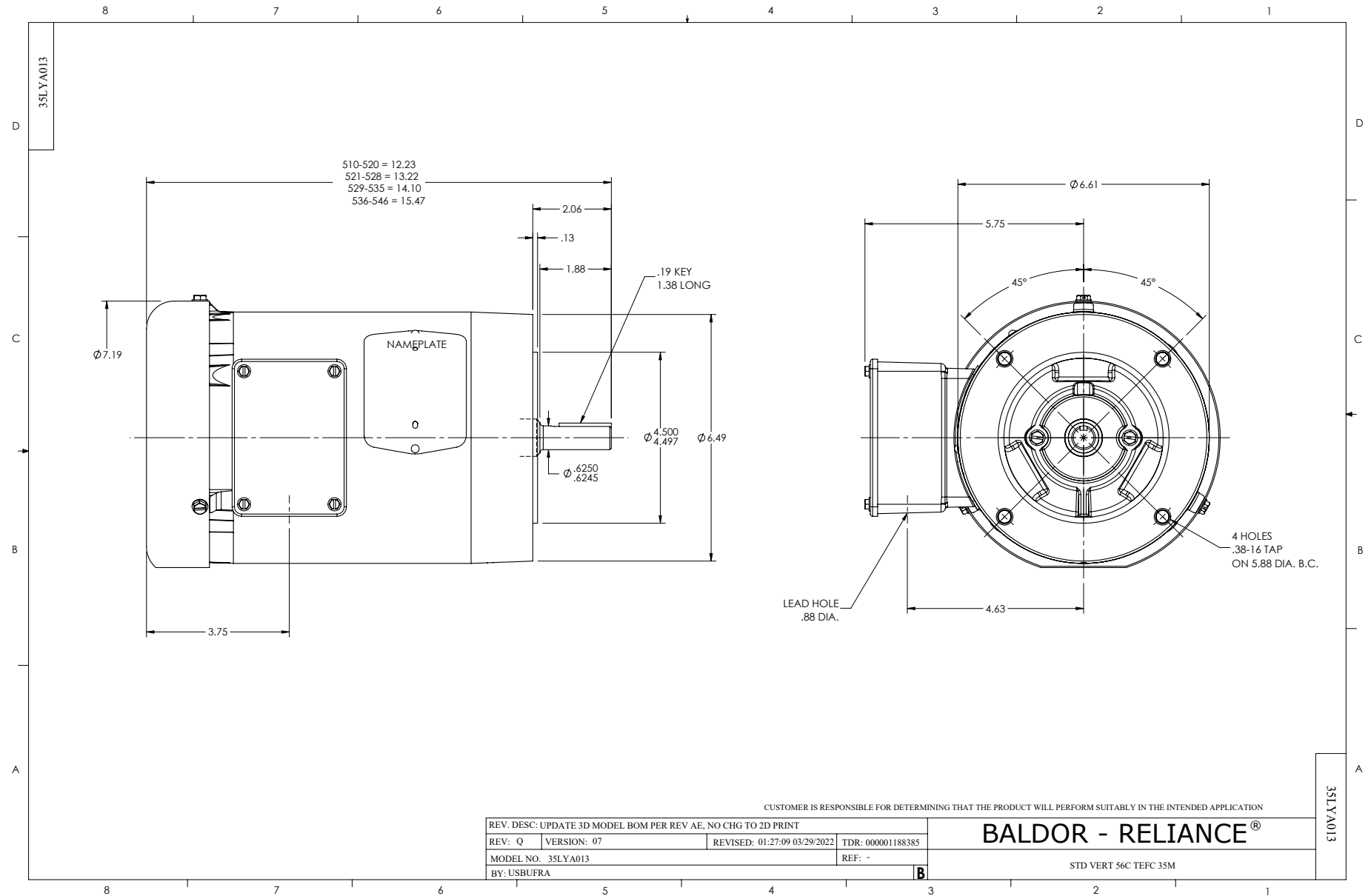
REF: 1336-6

MTL: -

BALDOR ELECTRIC Co.

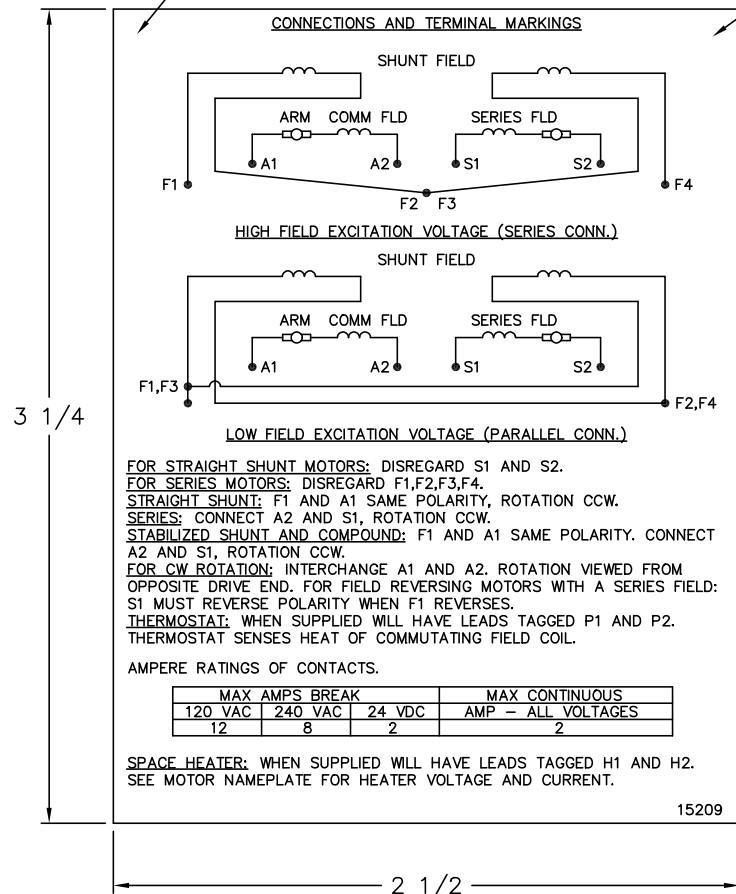
DIM SHEET: 504-5012AT,DPBV,W/TACH

1336-6



15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER
IDENTIFYING MARK TO
APPEAR HERE**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	FRACTIONS ±1/32
.XX ±.010	RADI ±1/16
.XXX ±.005	ANGLES ±1°

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