

ABB BALDOR RELIANCE III

Customer information packet

D50400P2-BV

0508AT, 400HP, 1750RPM, 500, 150, DPBV, F1

Specifications

Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Frame	508AT
Frame Material	Steel
Output Power	400.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	624.0 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	54.00 IN
Service Factor	1.00
Shaft Diameter	3.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	C
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0127A A
Layout	1336-6
Eff. date	03-22-2022
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

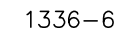
Nameplate

NP1734									
CAT.NO.				MODEL	T50R8005				
HP	400	RPM	1750/1950		FRAME		0508AT		
ARM V	500		ARM A		624.00	WOUND		STR. SHUNT	
FLD V	150/300		FLD A		17.76-12.14/8.88-6.07				
CONN			OHMS				CL	F	
ENCL	DPFG		DUTY		CONT		MX AMB		40
P CODE	D		CTSR				SER.F.		1.0
S/N				E/S	K0127A A				
	BRUSH:50034-2								
O.D.E. BRG.	6216	D.E. BRG.		6218	BRUSH				
QTY									

Parts List

Part number	Description	Quantity
SA296986	SA T50R8005	1.000 ea
AA016037	AA T50R8005	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
150247	CAUTION LABEL,BLWR WHEEL ROTATION,MYLAR	1.000 ea
150047-3	TERMINAL, FR 500, B DIM=3	4.000 ea
150048-3	TERMINAL,500FR,B DIM=3	4.000 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
50009-3	BRUSH ROCKER ASSY FR 50 SERIES	1.000 ea
50034-2	BRUSH,500 FR. SERIES E-77 SGL/CARBON	12.000 ea
004824015A	GREASE POLYREX EM	1.100 lb
032018014CK	HHCS 3/8-16X1-3/4L	4.000 ea
032018014EK	HHCS 5/8-11X1-3/4 PLTED.	4.000 ea
032018014EK	HHCS 5/8-11X1-3/4 PLTED.	4.000 ea
032018016CK	HHCS 3/8-16X2 PLATE	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
50028	FAN SHROUD FR500 THIS IS NOT A TEFC SHRD	1.000 ea
50051-9	CE BRKT MACH FR 500 STD FOR LOCKED	1.000 ea
50052-10	FE BRKT MACH FR 500 STD FOR LOCKED	1.000 ea
85XU1008A06	10-32X3/8 TY U DRIVE	4.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW5100A18	WAVY WASHER, WB#W6173-058	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	3.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	4.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	4.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea

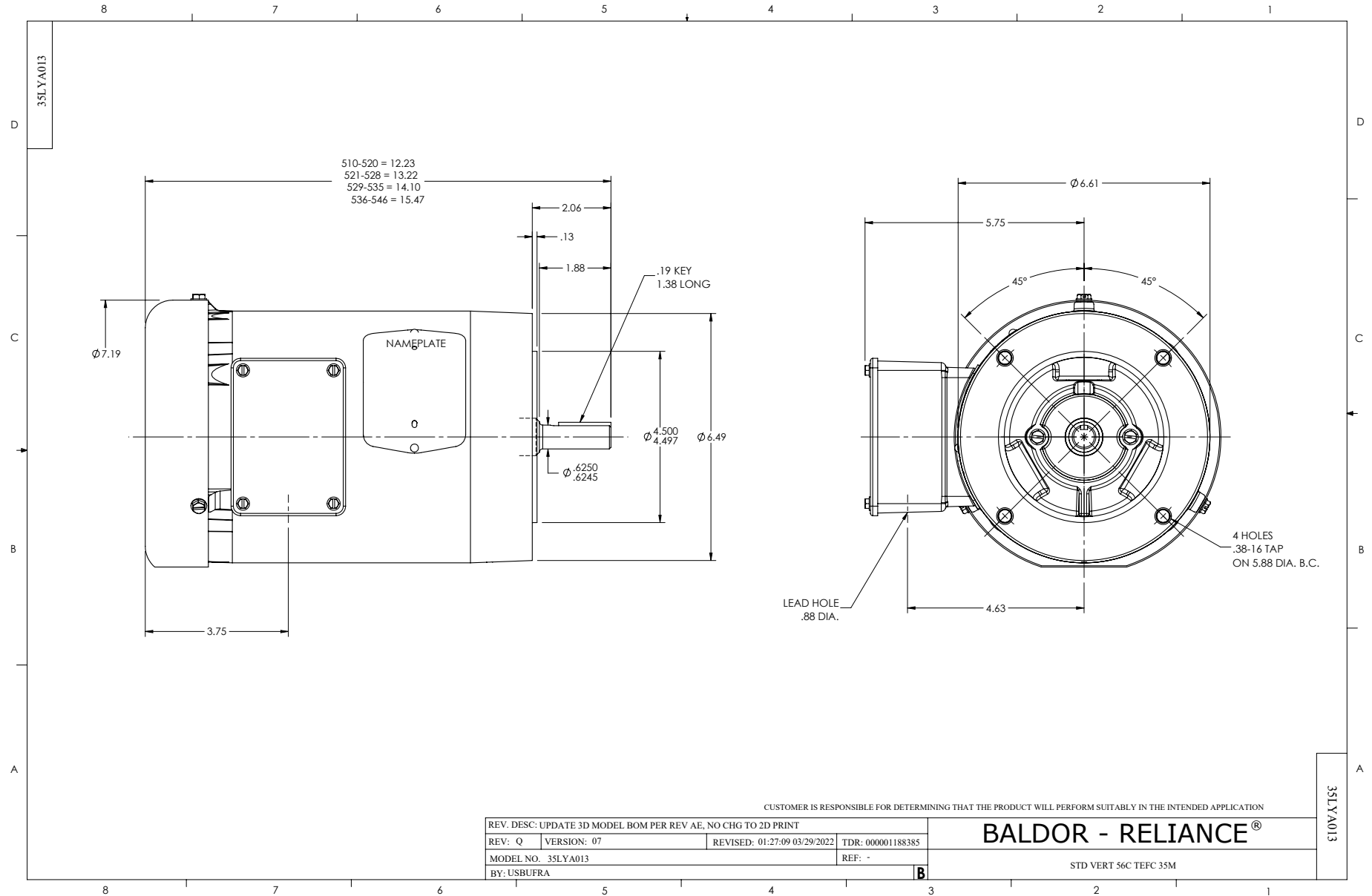
032130008BA	5/16-18 X 1.0 HSHCS	10.000 ea
033190013AB	1.5 - 12 HEX SLOTTED NUT	4.000 ea
034036014AB	EX.TOOTH LCKW 3/8 PLTD.	1.000 ea
10223	LM8 BLOWER ASSEMBLY LARGE MOTOR	1.000 ea
032130004BA	HSHCS 1/2 IN.	48.000 ea
P10230	FILTER KIT FOR LM8/LM9 BLOWER ASSEMBLY	1.000 ea
15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 ea
150906-62	GRDG STUD,HX HD BOLT 3/8-16,W/HD PAINTED	1.000 ea
15191-3	TERM BOX MACH 36-4050 SERIES 15037	1.000 ea
15194-350	PIPE PLUG 3 1/2 - 8 TAPERED THREAD	1.000 ea
36113	TERM BOX HOLE COVER FR 36 SERIES #16 GA	1.000 ea
36246	GASKET,TERM.BOX,FR.360 1/8 THK ARMSTRONG	2.000 ea
50025-2	VENT COVER,FAN END #16 GA STEEL	3.000 ea
50026-1	SOLID CVR,FE,FR-500 14GA (.075THK)	1.000 ea
50026-2	SOLID CVR,CE,FR-500 14GA (.075THK)	3.000 ea
50027-1	GASKET CVR,FE,FR-500 3/32 THK CORK/NEOPR	4.000 ea
50027-2	GASKET CVR,CE,FR-500 3/32 THK CORK/N	4.000 ea
50056	LM-8 BLWR ADAPTER FR 500 SERIES	1.000 ea
50147	FLANGED NIPPLE-WELD&MACH.COMPLETE BY VEN	1.000 ea
GS4000A04	GASKET,1/2 WIDE X .25 THICK NEOPRENE SPO	5.600 ft
004824007BTW	SPECIAL PAINT4824-3BVZ	0.500 ea
034180042JA	KEY FE SHAFT EXT	1.000 ea



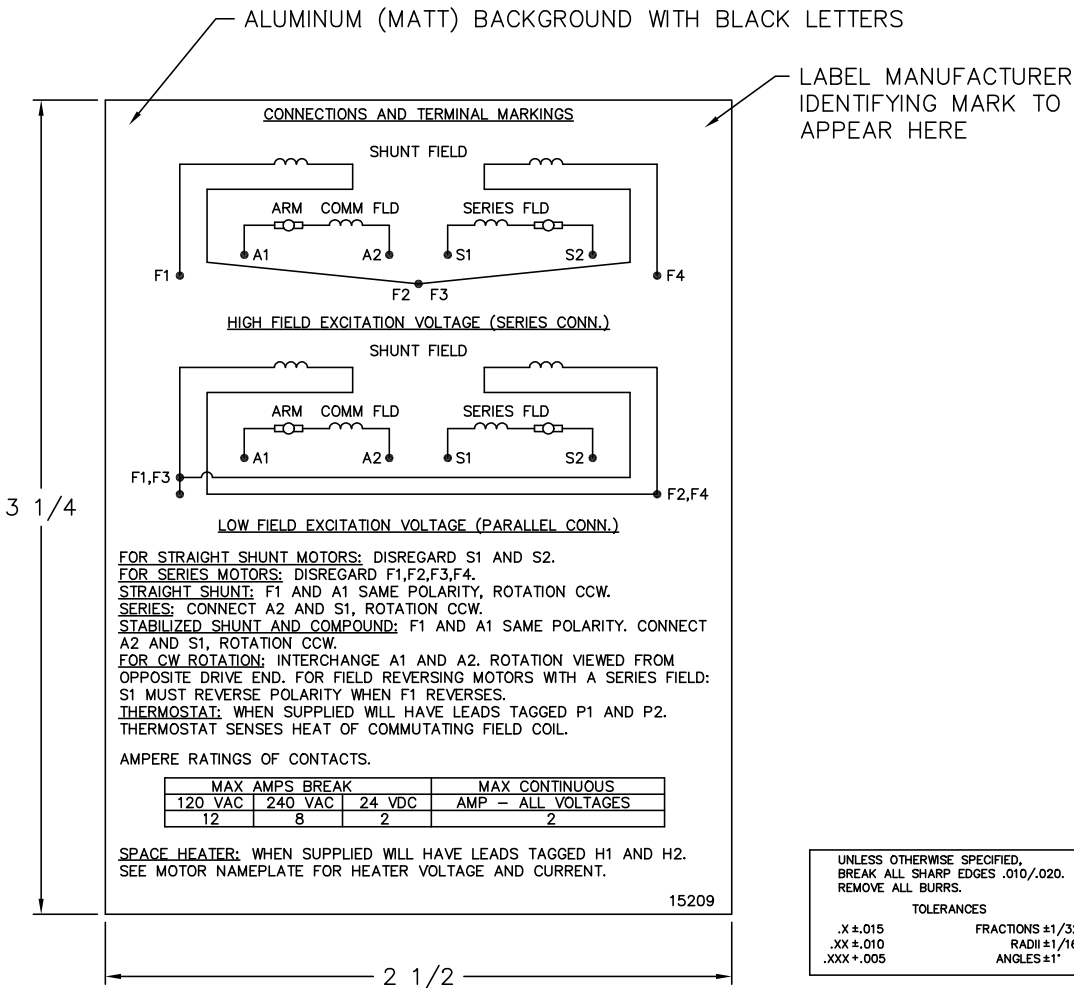
- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005.
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) "D" DIMENSION TOLERANCE +.000 - .060
- 3) "V" DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) THERE ARE TWO HOLES FOR 4" CONDUIT, SECOND HOLE IS 6" TOWARD DRIVE END.
- 5) STATOR MOTOR AND BLOWER LESS TACH WEIGHT.
- 6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

1556-6

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



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	REVISD: 02/19/97
		TDR: 0115147	

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

15209