

BALDOR® • RELIANCE

Product Information Packet

VL3515

2HP,3450RPM,1PH,60HZ,56C,3535L,TEFC,F1

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Part Detail									
Revision:	AM	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3535L	Elec. Spec:	35WG0506	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35C013	Layout:			
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-21-2007		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	04-27-2012		
Leads:	4#14 A PH,2#18 B PH	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1256L									
CAT.NO.	VL3515								
SPEC.	35C13-506								
HP	2								
VOLTS	115/230								
AMP	23/11.5								
RPM	3450								
FRAME	56C	HZ	60	PH	1				
SER.F.	1.15	CODE	K	DES	L	CLASS	F		
NEMA-NOM-EFF	74	PF	82						
RATING	40C AMB-CONT								
CC		USABLE AT 208V	12						
DE	6205	ODE	6203						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA022570	SA 35C13-506	1.000 EA
RA018620	RA 35C13-506	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

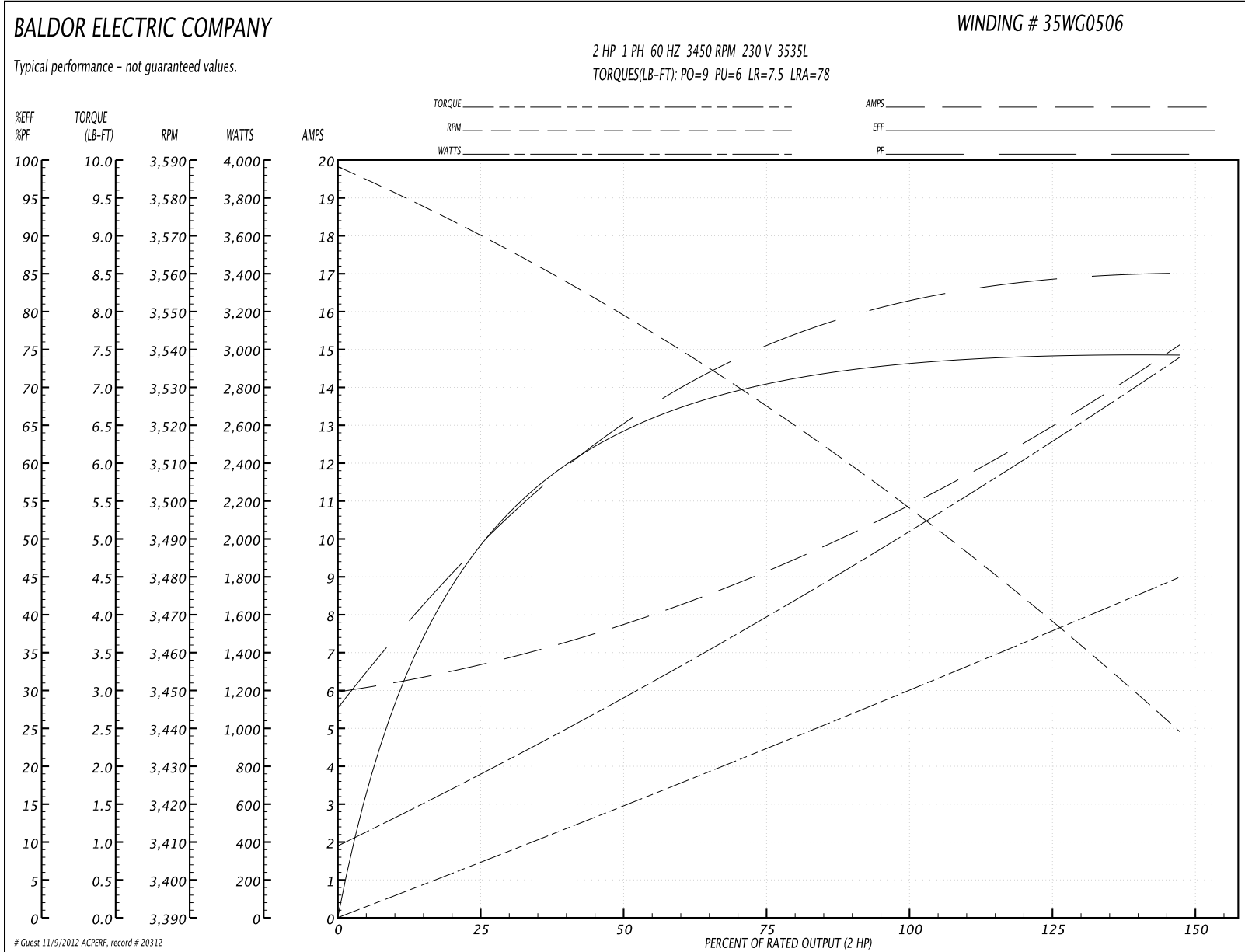
Performance Data at 230V, 60Hz, 2.0HP (Typical performance - Not guaranteed values)**General Characteristics**

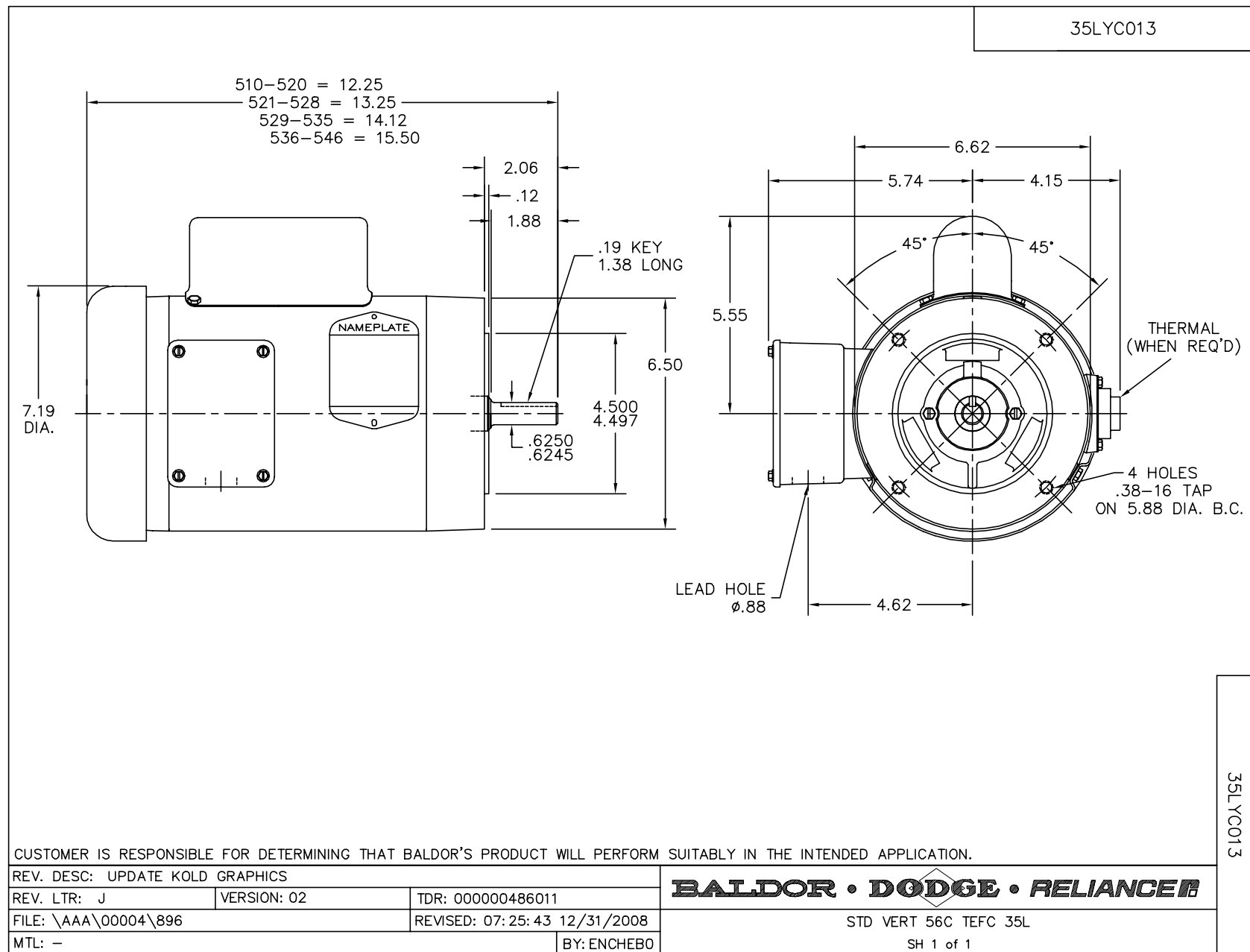
Full Load Torque:	3.0 LB-FT	Start Configuration:	DOL
No-Load Current:	6.0 Amps	Break-Down Torque:	9.0 LB-FT
Line-line Res. @ 25°C.:	0.864 Ohms A Ph / 1.26 Ohms B Ph	Pull-Up Torque:	6.0 LB-FT
Temp. Rise @ Rated Load:	82 C	Locked-Rotor Torque:	7.5 LB-FT
Temp. Rise @ S.F. Load:	91 C	Starting Current:	78.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	65.0	75.0	81.0	85.0	87.0	83.0
Efficiency:	49.1	64.2	70.5	73.4	74.3	74.1	73.9
Speed:	3569.0	3548.0	3524.0	3499.0	3471.0	3438.0	3482.0
Line Amperes:	6.65	7.75	9.2	10.9	12.9	15.1	12.1

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0001

