

BALDOR® • RELIANCE

Product Information Packet

BL3510

1HP,1725RPM,1PH,60HZ,56,BRAKE,3524L,TEFC

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Part Detail									
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WGX945	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35C022	Layout:			
Frame:	56	Mounting:	F1	Poles:	04	Created Date:			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-28-2012		
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1256L									
CAT.NO.	BL3510								
SPEC.	35C22X945-B								
HP	1								
VOLTS	115/230								
AMP	12.8/6.4								
RPM	1725								
FRAME	56	HZ	60	PH	1				
SER.F.	1.15	CODE	K	DES	L	CLASS	F		
NEMA-NOM-EFF	68	PF	74						
RATING	40C AMB-CONT								
CC		USABLE AT 208V	7						
DE	6205	ODE	6203						
ENCL	TEFC	SN							

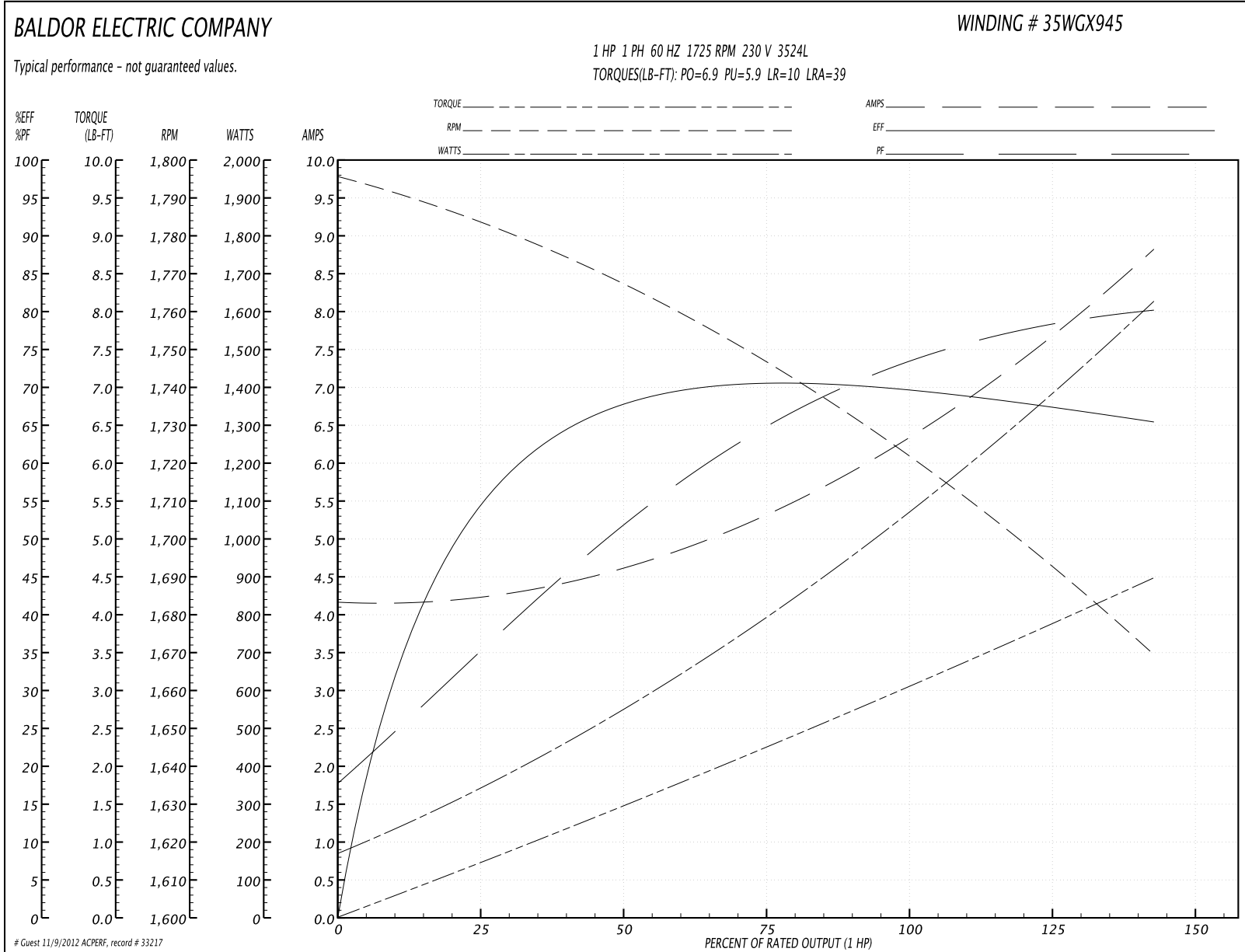
Parts List		
Part Number	Description	Quantity
SA022593	SA 35C22X945-B	1.000 EA
RA018643	RA 35C22X945-B	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .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
35EP3900T01	SPL FACE MTD FR EP-ENCL-W/STEARNS BRAKE	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
35EP3101A04	STL PU EP-ENCL-205 BRG- FAN ON PULLEY EN	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HW2501D10	KEY, 3/16 SQ X 1.000	1.000 EA
35FN3002A02SP	EXFN, PLASTIC, 6.376 OD, .987 ID W/KEY	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HW2500A16	EY, USA #606, WOODRUFF	1.000 EA
35FH4005A08	IEC FH NO GRSR W/1/12 SHAFT HOLE, W/ AUT	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

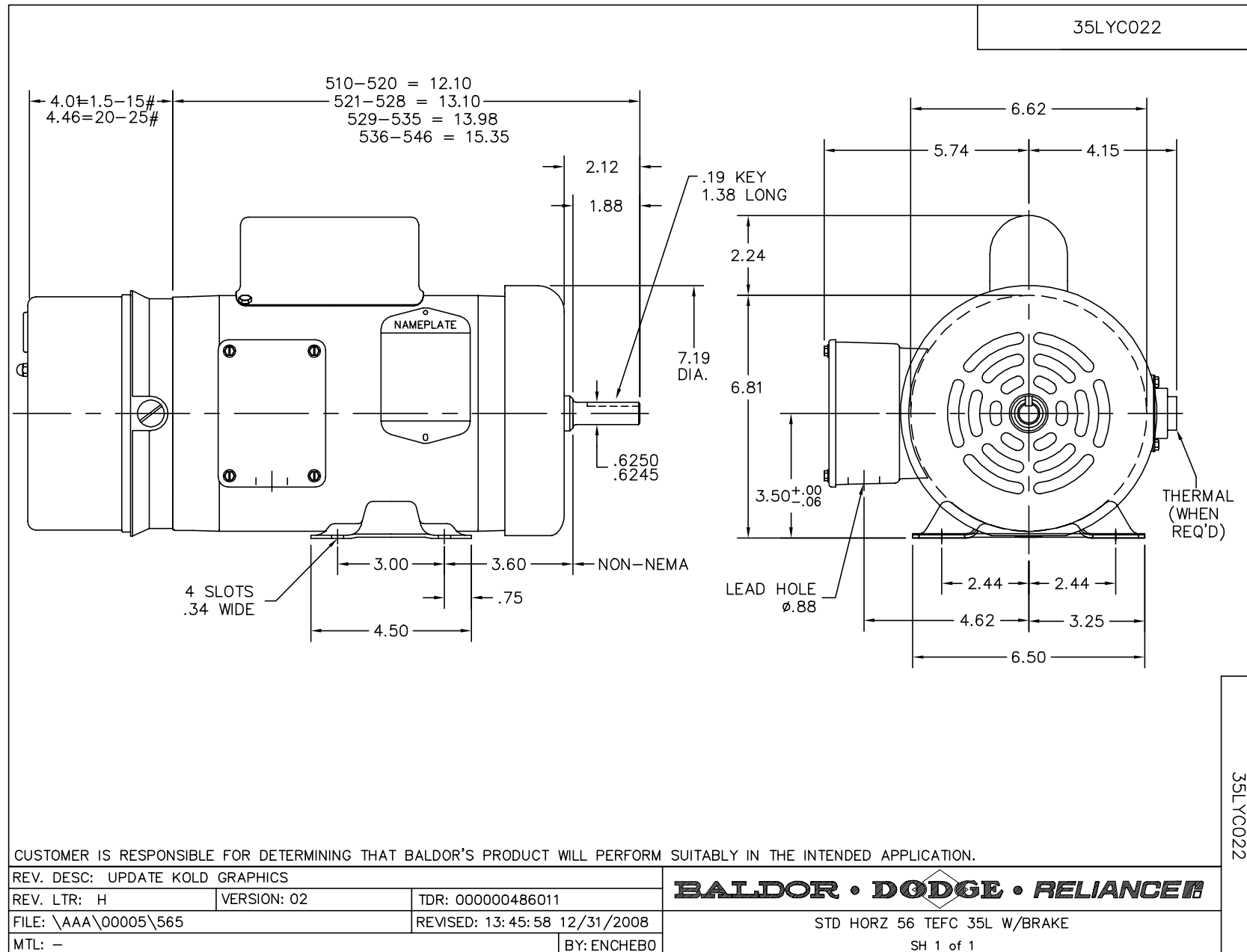
Parts List (continued)		
Part Number	Description	Quantity
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
84XN3816J28	HEX SOC HD, 3/8-16 X 1.75 LONG	2.000 EA
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
76BK2100BPF	1-056-021-00-BPF BRAKE TDR# 79345	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA

Performance Data at 230V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		3.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		4.1 Amps		Break-Down Torque:		6.9 LB-FT	
Line-line Res. @ 25°C.:		2.6 Ohms A Ph / 1.8 Ohms B Ph		Pull-Up Torque:		5.9 LB-FT	
Temp. Rise @ Rated Load:		79 C		Locked-Rotor Torque:		10.0 LB-FT	
Temp. Rise @ S.F. Load:		96 C		Starting Current:		39.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	39.0	53.0	67.0	75.0	81.0	84.0	79.0
Efficiency:	52.9	67.6	70.0	70.3	68.6	64.9	69.3
Speed:	1781.0	1765.0	1746.0	1726.0	1701.0	1666.0	1711.0
Line Amperes:	4.3	4.7	5.3	6.2	7.4	8.9	6.9

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0001

