

BALDOR® • RELIANCE

Product Information Packet

GSL3509M

1.5HP,1735RPM,1PH,60HZ,56Z,3523LC,TEFC,F

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Part Detail									
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3523LC	Elec. Spec:	35WGP243	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35G630	Layout:			
Frame:	56Z	Mounting:	F1	Poles:	04	Created Date:	03-29-2006		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-02-2012		
Leads:	2#16 A PH,3#18 B&J,2#	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1280L									
CAT.NO.	GSL3509M								
SPEC.	35G630P243G1								
HP	1.5								
VOLTS	208-230								
AMP	6.9-6.4								
RPM	1750								
FRAME	56Z	HZ			60	PH	1		
SER.F.	1.15	CODE			J	DES	L	CL	F
NEMA-NOM-EFF	80	PF			94				
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6205	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA150868	SA 35G630P243G1	1.000 EA
RA139713	RA 35G630P243G1	1.000 EA
OC3025F11	CYL OIL CAP 25MFD/370V	1.000 EA
TPCRT52CA	THERMAL 1PH 1.00 MAN 105C	1.000 EA
EC1161C06SP	ELEC CAP, 161-193 MFD, 250V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3000A85	SPL CONDUIT BOX 35 W/1" MTO (FOR GASKET	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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
HA6015A11	EARED 1" THERMAL RETAINER (PLATED)	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
35EP3100M86	FREP TENV 35L/M 203 BRG W/FACE DRAINS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801SP	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	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

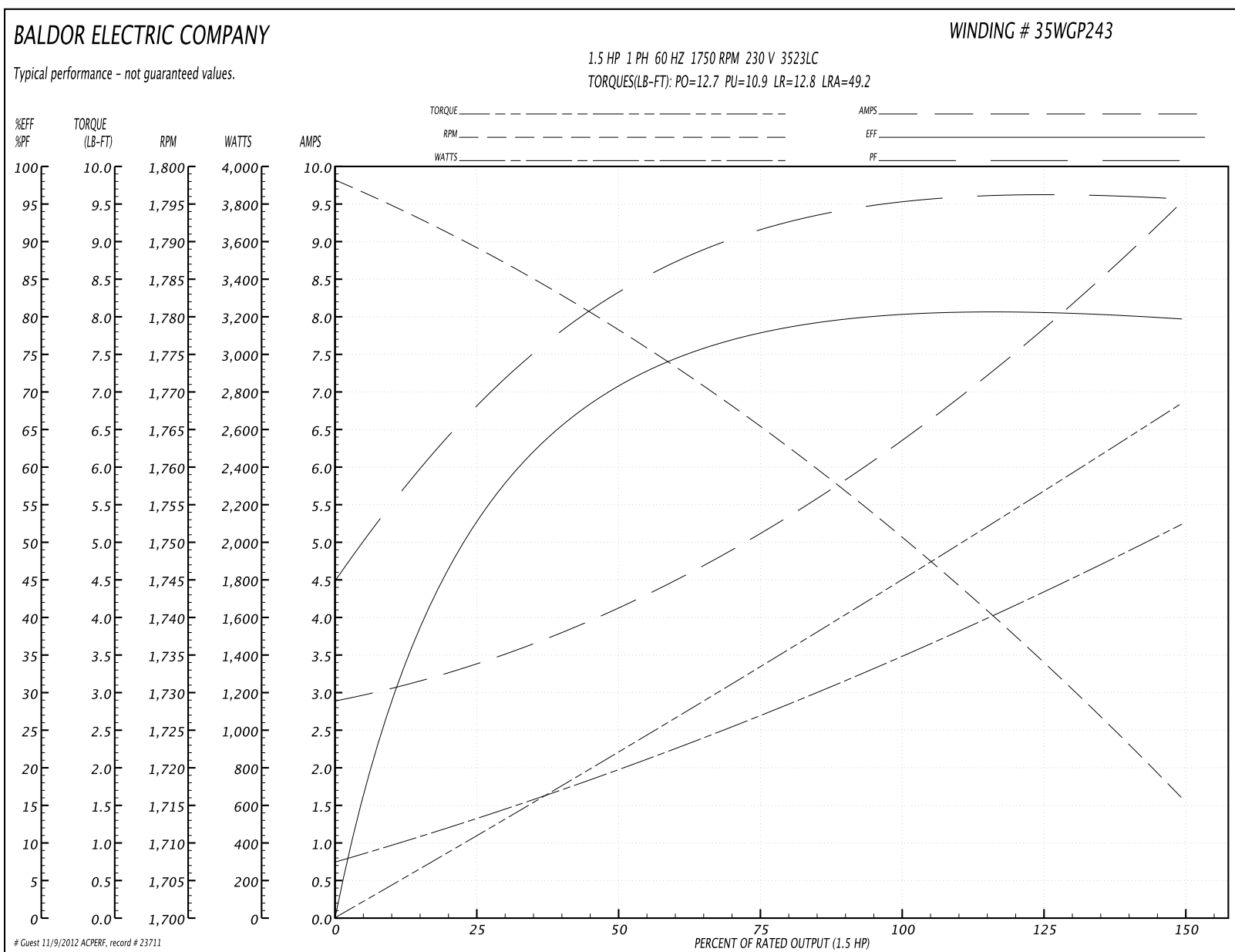
Parts List (continued)		
Part Number	Description	Quantity
35FN2000A04	EXFN, ALUM, 5.75 OD, .938 ID	1.000 EA
80XN2520A06	1/4-20 X 3/8 SET SCREW	1.000 EA
35FH4005A23	IEC FH NO GRSR W/SPL CUTOUT, W/ AUTOPHER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	3.000 EA
35CB4514	35 LIPPED CB LID	1.000 EA
36GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK #SV-3	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D08	KEY, 3/16 SQ X .875 AUTO	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1025C02	PAINT, 787.105 LITE TAN EPOXY (USE W/MG1	0.017 GA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	2.000 EA
SP5056A52	MODEL 35 LC STATIONARY SWITCH LEAD ASSY	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0370	1PH, SV, REV, THERMAL 7LD, 1/2 LINE ACCE	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA

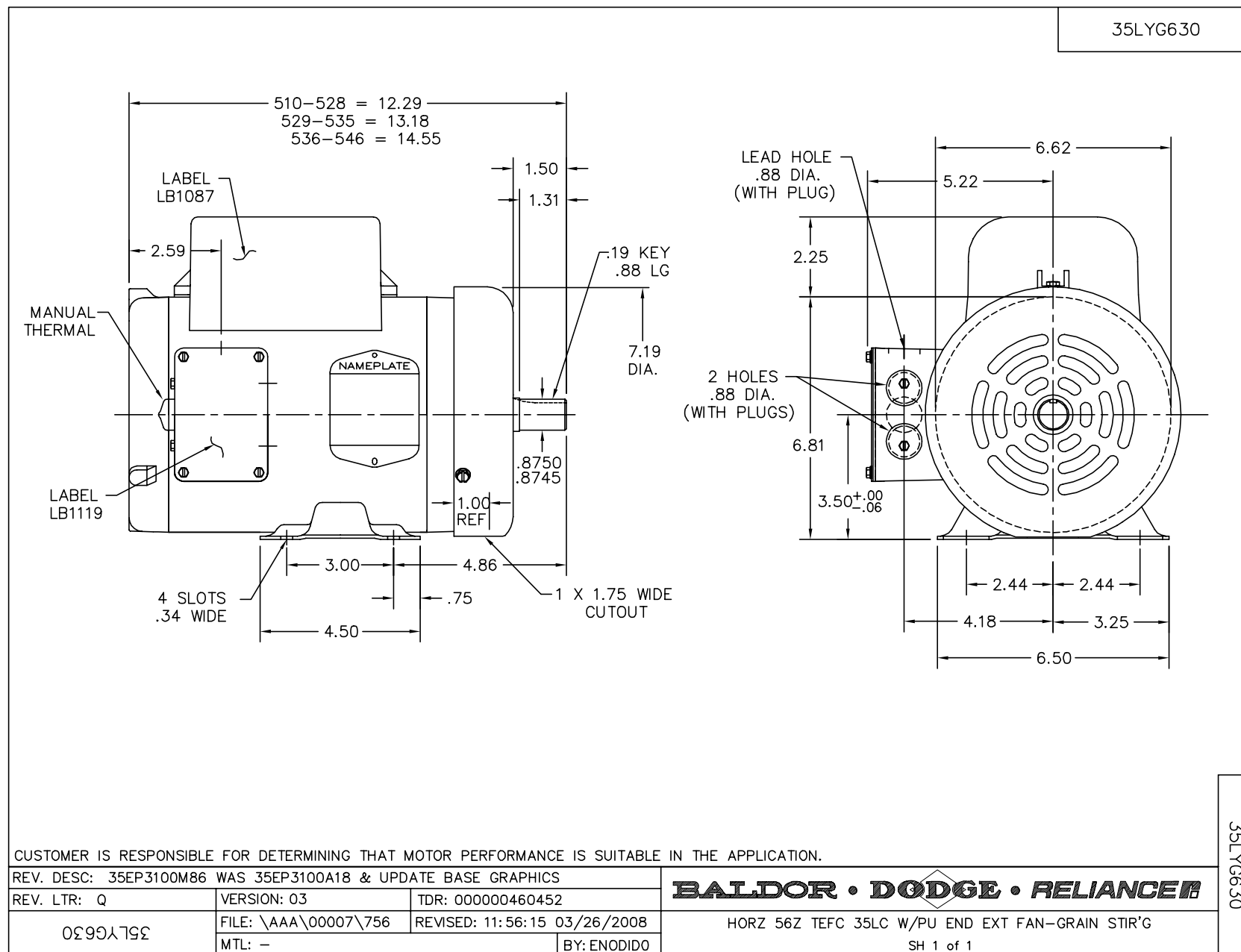
Parts List (continued)		
Part Number	Description	Quantity
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA

Performance Data at 230V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		4.52 LB-FT		Start Configuration:		DOL	
No-Load Current:		2.93 Amps		Break-Down Torque:		12.7 LB-FT	
Line-line Res. @ 25°C.:		2.06 Ohms A Ph / 3.74 Ohms B Ph		Pull-Up Torque:		10.9 LB-FT	
Temp. Rise @ Rated Load:		73 C		Locked-Rotor Torque:		12.8 LB-FT	
Temp. Rise @ S.F. Load:		87 C		Starting Current:		49.2 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	69.0	85.0	91.0	94.0	96.0	96.0	95.0
Efficiency:	50.9	70.3	77.6	80.7	81.0	79.4	80.9
Speed:	1789.0	1777.0	1766.0	1751.0	1735.0	1715.0	1741.0
Line Amperes:	3.32	4.06	5.13	6.44	7.84	9.51	7.28

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values





CD0370

