

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EL11307M**

**.75 SFA 8.3/4.15HP,1755RPM,1PH,60HZ**

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524LC	Elec. Spec:	35WGL159	CD Diagram:	CD0320
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35M497	Layout:	35LYM497
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	09-30-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-19-2017
Leads:	6#18,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

<b>Nameplate NP3273L</b>										
CAT.NO.	EL11307M									
SPEC.	35M497L159G1									
HP	.75									
VOLTS	115/230									
AMP	6.8/3.4									
RPM	1755									
FRAME	56				HZ	60			PH	1
SER.F.	1.25		CODE	M	DES	N		CL	F	
F.L. AVG. EFF.	81.8		PF	90						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	OPEN		SN							
	SFA 8.3/4.15									

Parts List		
Part Number	Description	Quantity
SA287875	SA 35M497L159G1	1.000 EA
RA274078	RA 35M497L159G1	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
EC1540A04	ELEC CAP, 540-648 MFD, 125V, 1.81D 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
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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP OPEN 205 BRG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	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
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
LB1119N	WARNING LABEL	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
NP3273L	ALUM SUPER-E THERMALLY PROTECTED	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 61273 - Typical performance - not guaranteed values

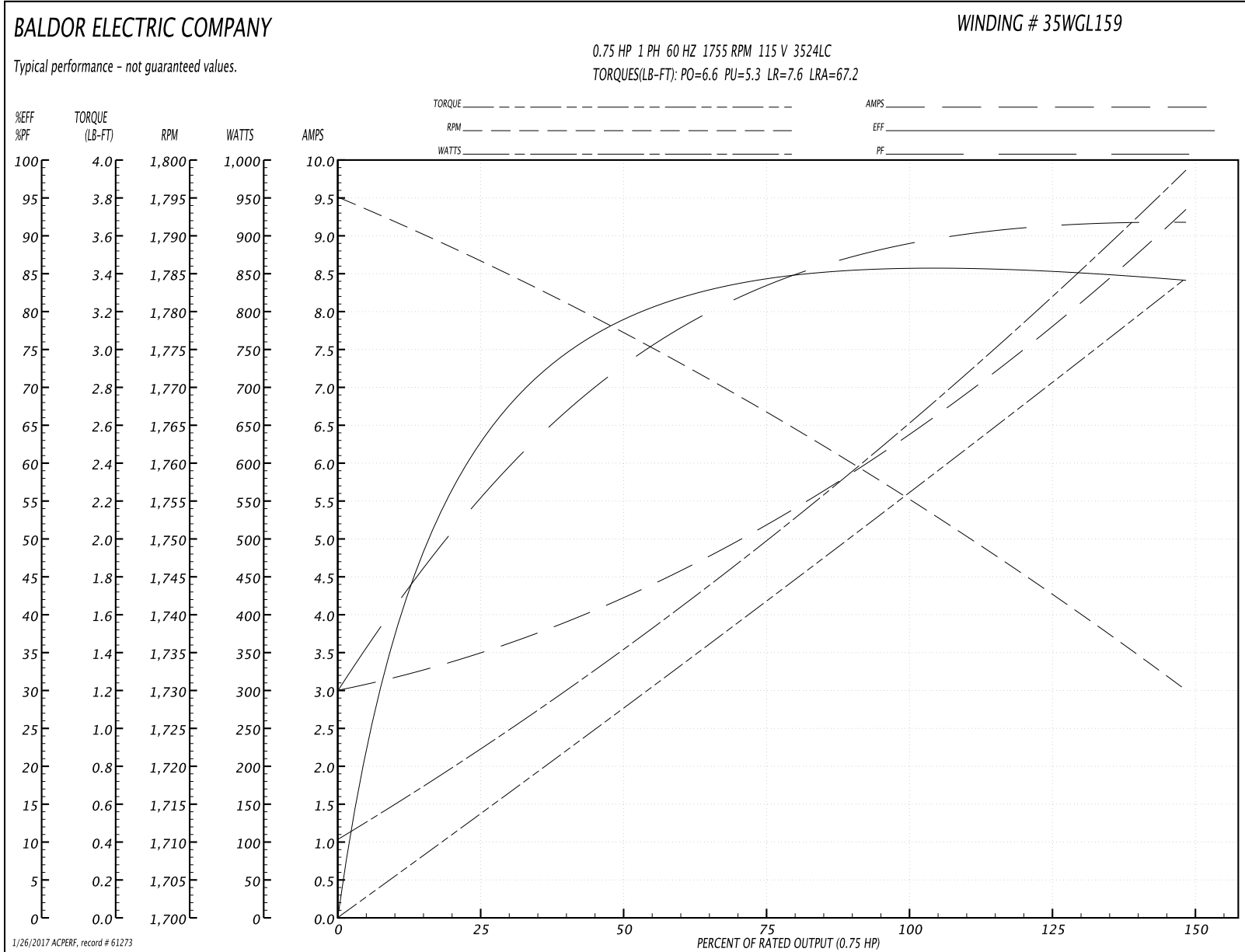
<b>Winding:</b> 35WGL159-R003	<b>Type:</b> 3524LC	<b>Enclosure:</b> OPEN
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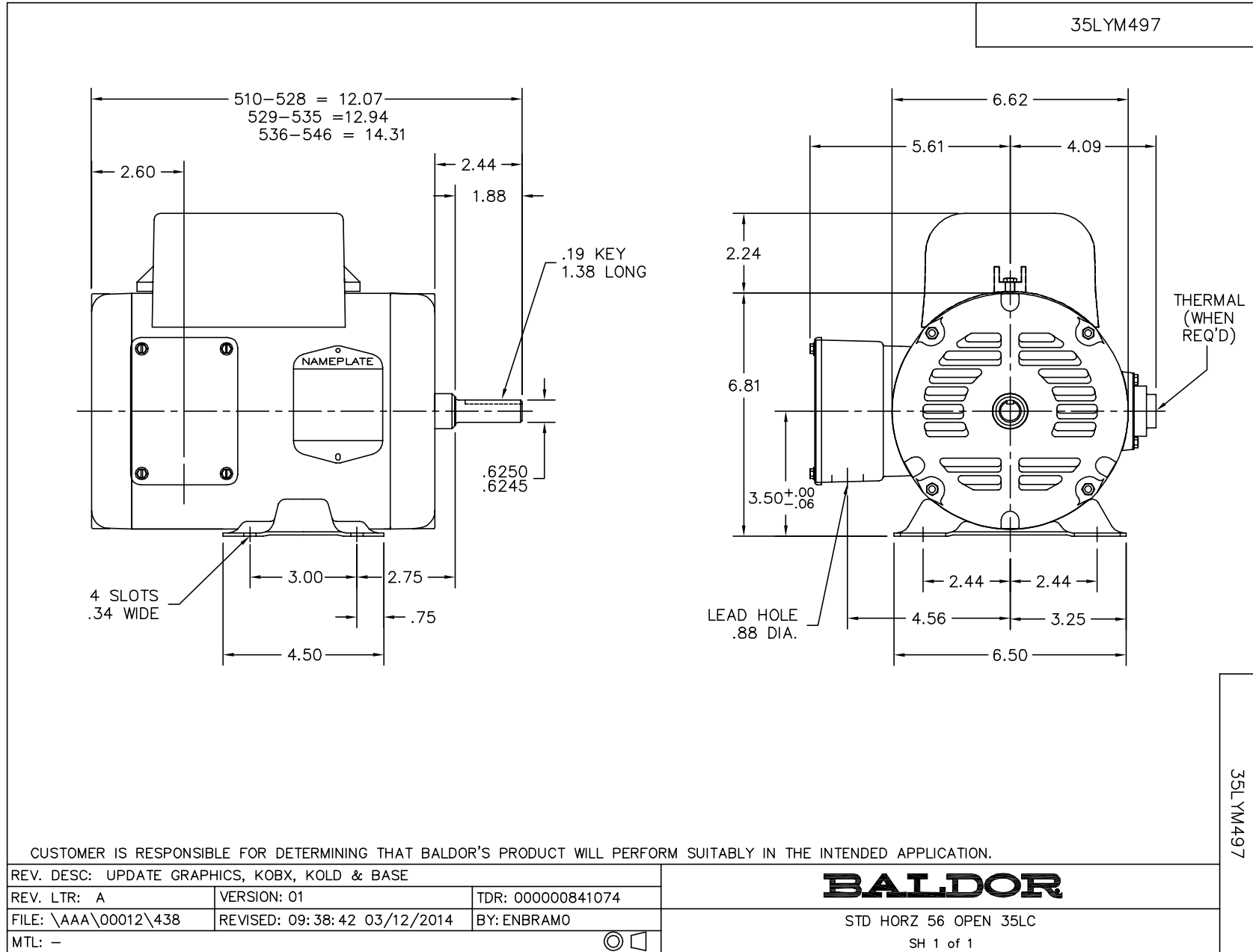
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6.8/3.4			Breakdown Torque	6.6 LB-FT
R.P.M.	1755			Pull-up Torque	5.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.6 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	67.2 A
Service Factor (S.F.)	1.25			No-load Current	3.1 A
NEMA Nom. Eff.	81.8	Power Factor	90	Line-line Res. @ 25°C	0.78 Ω A Ph 2.3 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	21°C
S.F. Amps	8.3/4.15			Temp. Rise @ S.F. Load	26°C
				Locked-rotor Power Factor	91.6
				Rotor inertia	0.142 LB-FT <sup>2</sup>

Load Characteristics 115 V, 60 Hz, 0.75 HP

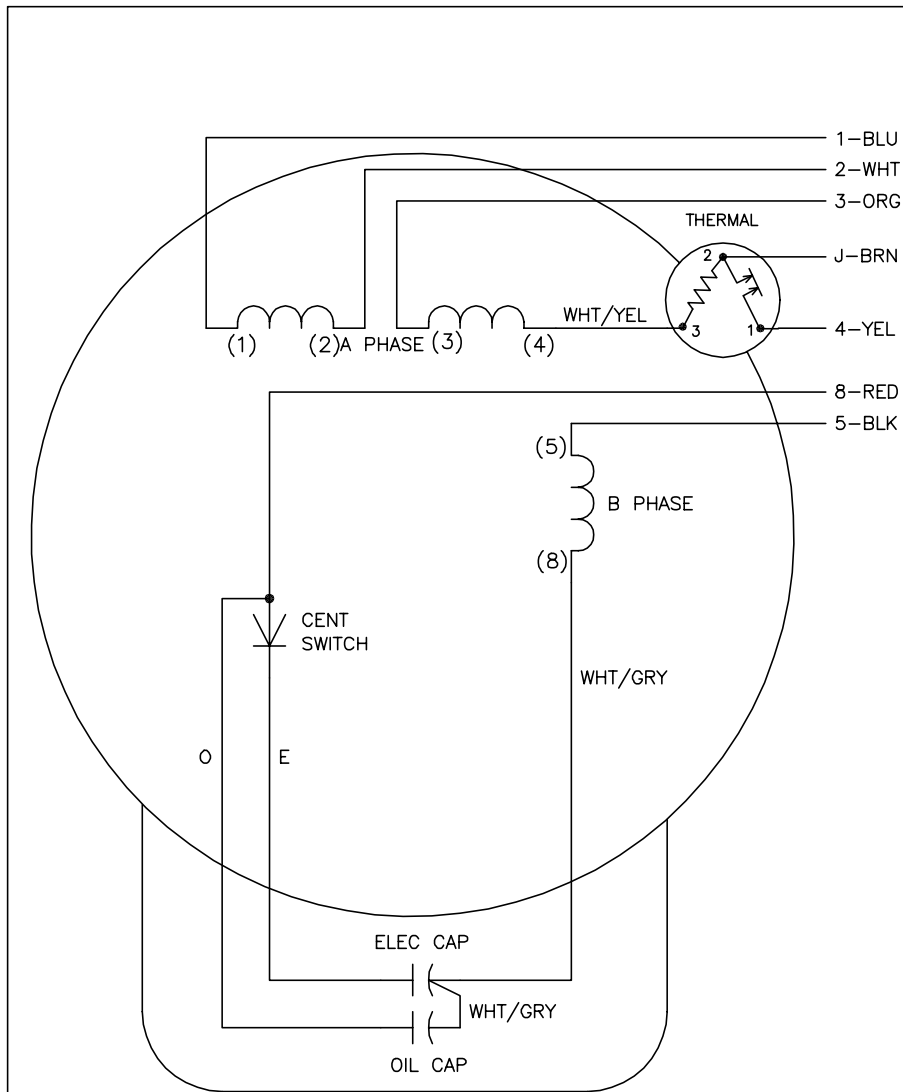
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	75	82	89	91	92	91
Efficiency	66.5	80.4	83.6	85.3	85	84.6	85
Speed	1787	1777	1765	1755	1745	1729	1745
Line amperes	3.4	4.1	5.4	6.4	7.8	9.3	7.8

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -		

**BALDOR**

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

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