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Product Information Packet

EPL1319M

1.5HP,1725RPM,1PH,60HZ,56,3540LC,OPEN,F1

Part Detail							
Revision:	E	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3540LC	**Elec. Spec:**	35WGN601	**CD Diagram:**	CD0320
Enclosure:	OPEN	**Mfg Plant:**		**Mech. Spec:**	35G840	**Layout:**	35LYG840
Frame:	56	**Mounting:**	F1	**Poles:**	04	**Created Date:**	09-15-2014
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	01-24-2017
Leads:	4#16 A&J,2#18 B PH,1#14 #4TH					**Replaced By:**	
Literature:		**Elec. Diagram:**					

Nameplate NP3273L

CAT.NO.	EPL1319M							
SPEC.	35G840N601G1							
HP	1.5							
VOLTS	115/230							
AMP	12.4/6.2							
RPM	1725							
FRAME	56		**HZ**	60			**PH**	1
SER.F.	1.15	**CODE**	J	**DES**	L	**CL**	F	
F.L. AVG. EFF.	83.8	**PF**	93					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**				
DE	6205		**ODE**	6203				
ENCL	OPEN	**SN**						

Parts List

Part Number	Description	Quantity
SA286997	SA 35G840N601G1	1.000 EA
RA273214	RA 35G840N601G1	1.000 EA
OC3050F09SP	CYL OIL CAP 50MFD/370V	1.000 EA
TPCRT49CB	THERMAL 1PH 1.00 MAN 120C	1.000 EA
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007A17	35 CB .88 DIA @ 6:00, 1.00 MTO @ 3:00	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
HA6015A02	THERMAL RETAINER (PLATED)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	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
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

Parts List (continued)

Part Number	Description	Quantity
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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 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
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A26	THRUBOLT 10-32 X 11.500	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
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 # 61765 - Typical performance - not guaranteed values

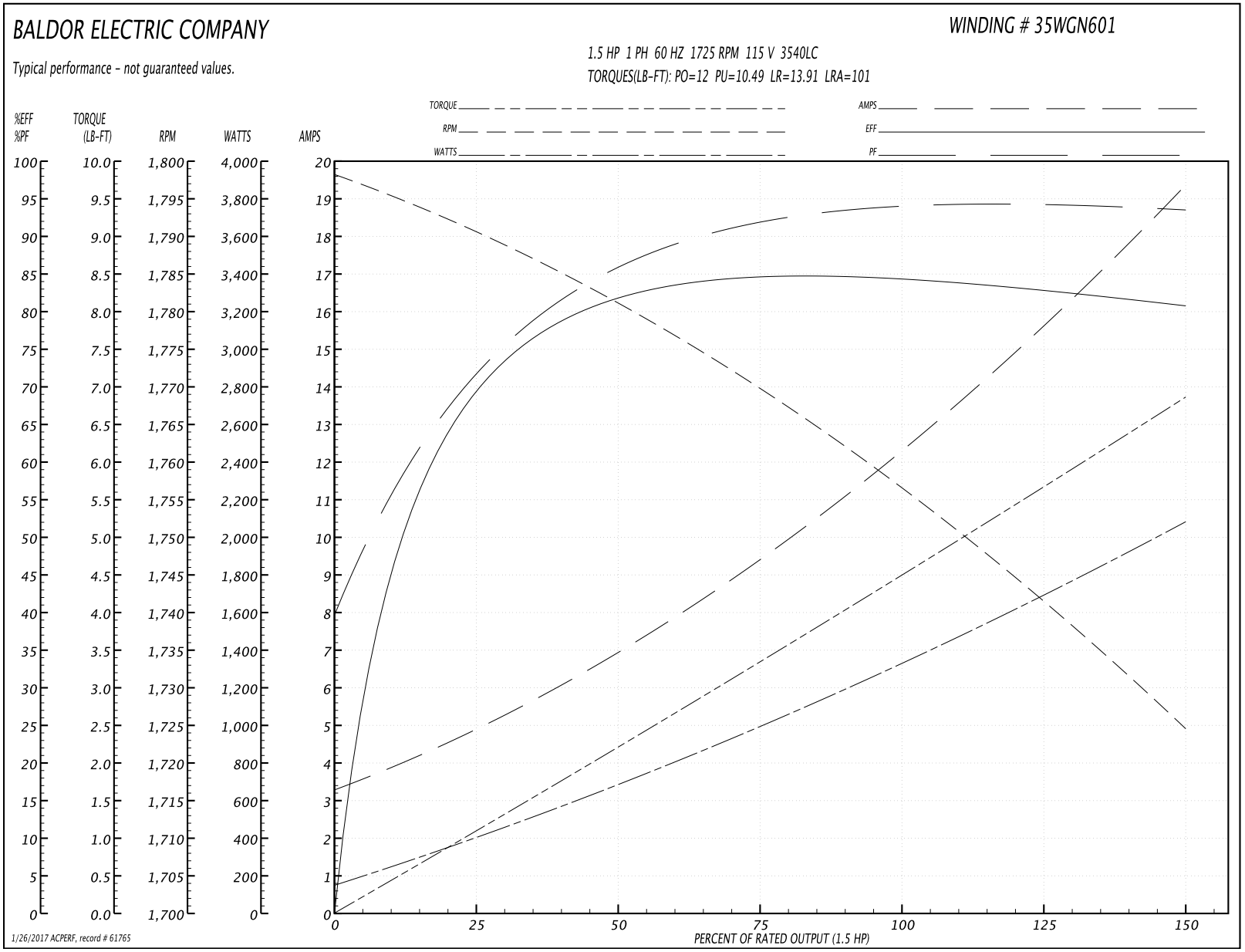
Winding: 35WGN601-R003	**Type:** 3540LC	**Enclosure:** OPEN

Nameplate Data				115 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	1.5			Full Load Torque	4.48 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	12.4/6.2			Breakdown Torque	12 LB-FT
R.P.M.	1725			Pull-up Torque	10.49 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	13.91 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	101 A
Service Factor (S.F.)	1.15			No-load Current	3.43 A
NEMA Nom. Eff.	83.8	Power Factor	93	Line-line Res. @ 25ºC	0.363 Ω A Ph 1.33 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Locked-rotor Power Factor	85.6
				Rotor inertia	0.237 LB-FT2

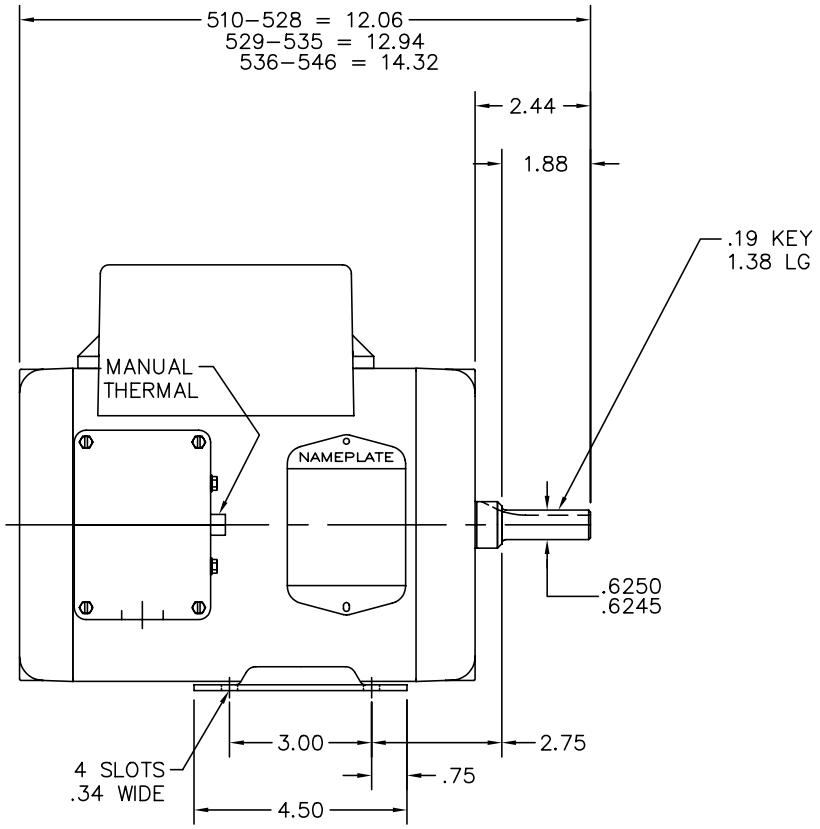
Load Characteristics 115 V, 60 Hz, 1.5 HP

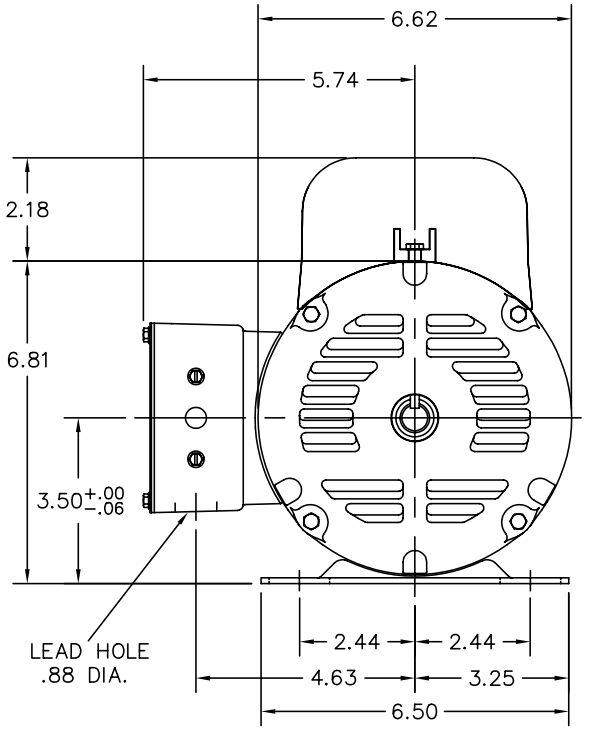
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	74	87	92	93	94	94	94
Efficiency	70.1	81.2	84.1	84.7	83.1	80.6	83.7
Speed	1790	1780	1770	1758	1742	1724	1748
Line amperes	4.66	6.92	9.48	12.3	15.6	19.3	14.3

Performance Graph at 115V, 60Hz, 1.5HP Typical performance - Not guaranteed values



35LYG840

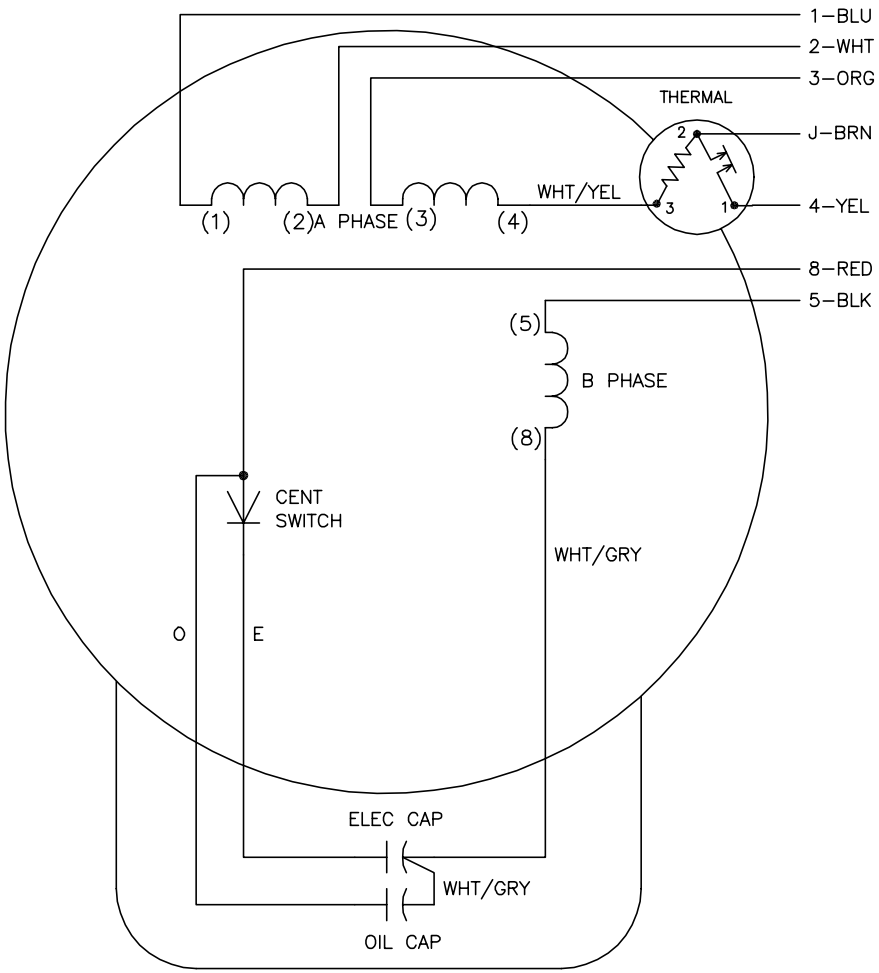




CUST. NAME	CUST. P.O.	CERTIFIED BY	MODEL	INSUL	AMB
H.P.	MTG	TYPE	R.P.M.	VOLTS	ENCL	PHASE	FREQ	FRAME
REV. DESC: CHG'D CONDUIT BOX AND LID (SEE EC09)					BALDOR ELECTRIC Co.			
REV. LTR: E	BY: JED	REVISED: 04/05/99 1:30	TDR: 0171801					
35LYG840		FILE: AAA00007696	MDL: –		STD HORZ 56 OPEN 35LC W/1.00" MTO			
		MTL: –						

35LYG840

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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