

BALDOR® • **RELIANCE**

Product Information Packet

JSL325A

.5HP,3450RPM,1PH,60HZ,56Y,3416L,OPEN,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416L	Elec. Spec:	34WGR049	CD Diagram:	CD0203
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34M228	Layout:	34LYM228
Frame:	56Y	Mounting:	F1	Poles:	02	Created Date:	05-09-2013
Base:	N	Rotation:	FOS	Insulation:	B	Eff. Date:	06-21-2016
Leads:	5#18,1#16 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L	
CAT.NO.	JSL325A
SPEC.	34M228R049G1
HP	.5
VOLTS	115/230
AMP	6.6/3.3
RPM	3450
FRAME	56Y
SER.F.	1.60
NEMA-NOM-EFF	70
RATING	40C AMB-CONT
CC	USABLE AT 208V 4.4
DE	6203
ENCL	OPEN
	SFA 9.2/4.6

CODE	G	DES	-	CL	B	PH	1
PF	69						
HZ	60						
ODE	6203						
SN							

Parts List		
Part Number	Description	Quantity
SA262837	SA 34M228R049G1	1.000 EA
RA249561	RA 34M228R049G1	1.000 EA
TPMRJ30AX	THERMAL 1PH 0.75 AUT 120C	1.000 EA
EC1216A02SP	ELEC CAP, 216-259 MFD, 125V, 1.48D X 3.	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	1.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3001	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
WD4100A04	62MP0687 HOLE PLUG OR DP-687 HEYCO	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3501A03	ENDPLATE, MACH POOL PUMP 17 FRAME-ASSY/K	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34AD2007	BAFFLE PLATE INJECTION MOLD	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	4.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
34GS1018	GASKET, TERM PLATE LID BLACK NEOPRENE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
RM1010A12	.437 I.D. 1" VINYL CAP (SHORT) MOCAP	1.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
34EP3202A07	FR ENDPLATE, MACH	1.000 EA
HA3100A16	THRUBOLT 10-32 X 8.750	4.000 EA
SP5086A01	MODEL 34 TERMINAL PANEL SWITCH WITH LEAD	1.000 EA
LC0546	CONNECTION LABEL	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 42890 - Typical performance - not guaranteed values

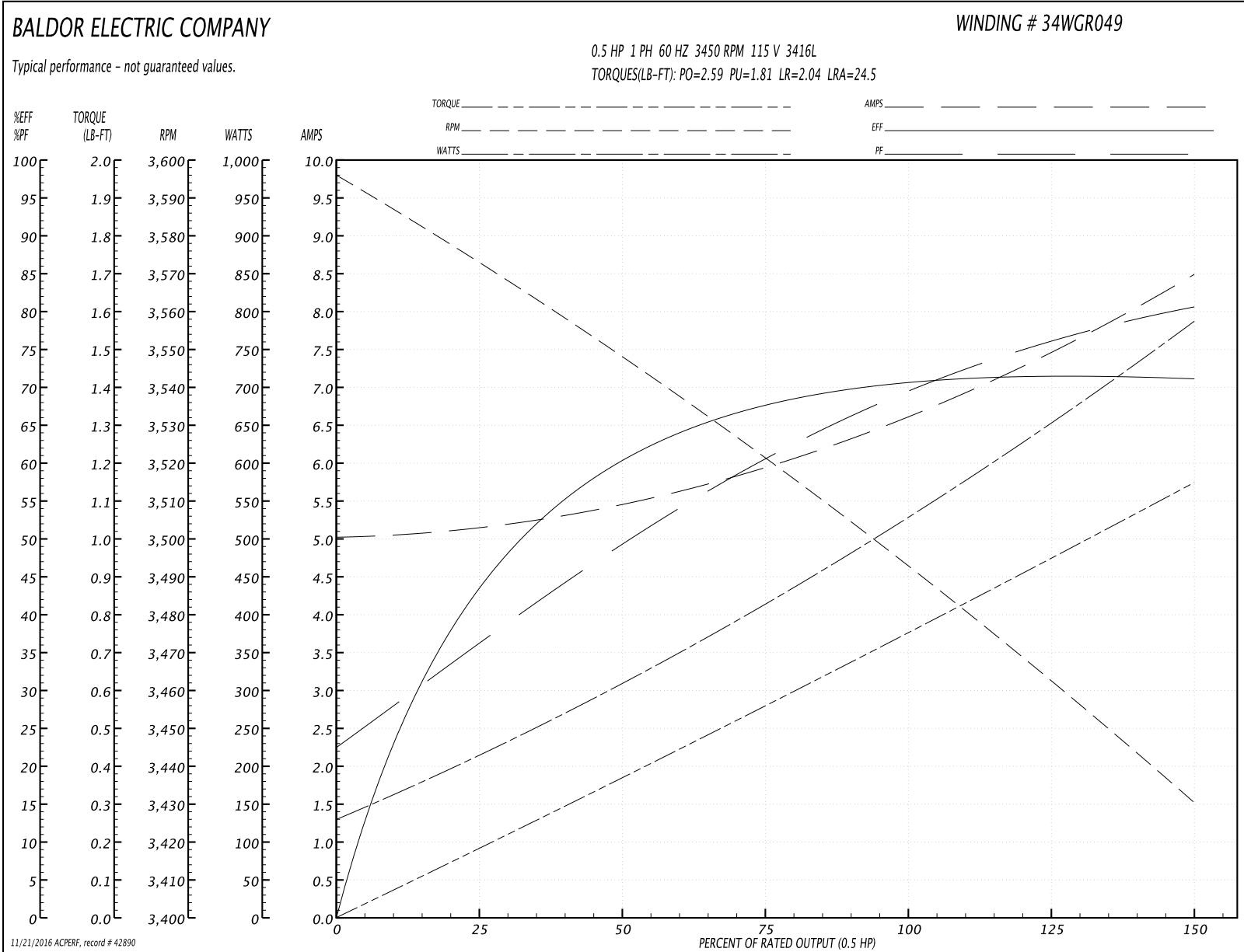
Winding: 34WGR049-R001	Type: 3416L	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.751 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6.6/3.3			Breakdown Torque	2.59 LB-FT
R.P.M.	3450			Pull-up Torque	1.81 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.04 LB-FT
NEMA Design Code	-	KVA Code	G	Starting Current	24.5 A
Service Factor (S.F.)	1.6			No-load Current	5.04 A
NEMA Nom. Eff.	70	Power Factor	69	Line-line Res. @ 25°C	0.87803 Ω A Ph 2.7463 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps	9.2/4.6			Temp. Rise @ S.F. Load	43°C

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	61	69	76	81	82
Efficiency	44.8	60.8	67.2	70.3	71.5	71.1	68.7
Speed	3569.3	3545.7	3521.6	3495.4	3464.3	3428.1	3383
Line amperes	5.14	5.41	5.98	6.63	7.47	8.48	9.116

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 52588 - Typical performance - not guaranteed values

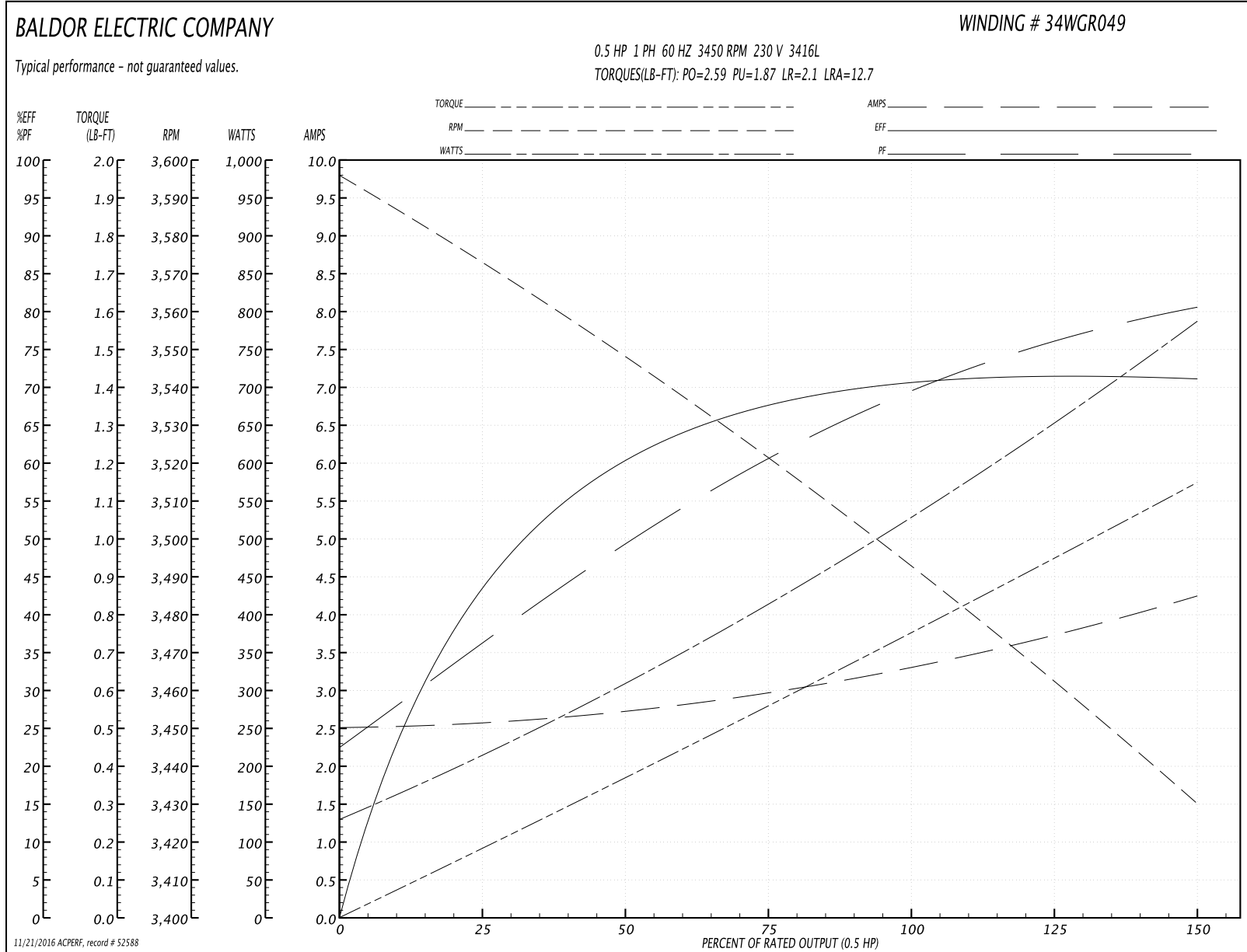
Winding: 34WGR049-R001	Type: 3416L	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.751 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6.6/3.3			Breakdown Torque	2.59 LB-FT
R.P.M.	3450			Pull-up Torque	1.87 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.1 LB-FT
NEMA Design Code	-	KVA Code	G	Starting Current	12.7 A
Service Factor (S.F.)	1.6			No-load Current	2.52 A
NEMA Nom. Eff.	70	Power Factor	69	Line-line Res. @ 25°C	3.388 Ω A Ph 2.78 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps	9.2/4.6			Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	85
				Rotor inertia	0.0148 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.5 HP

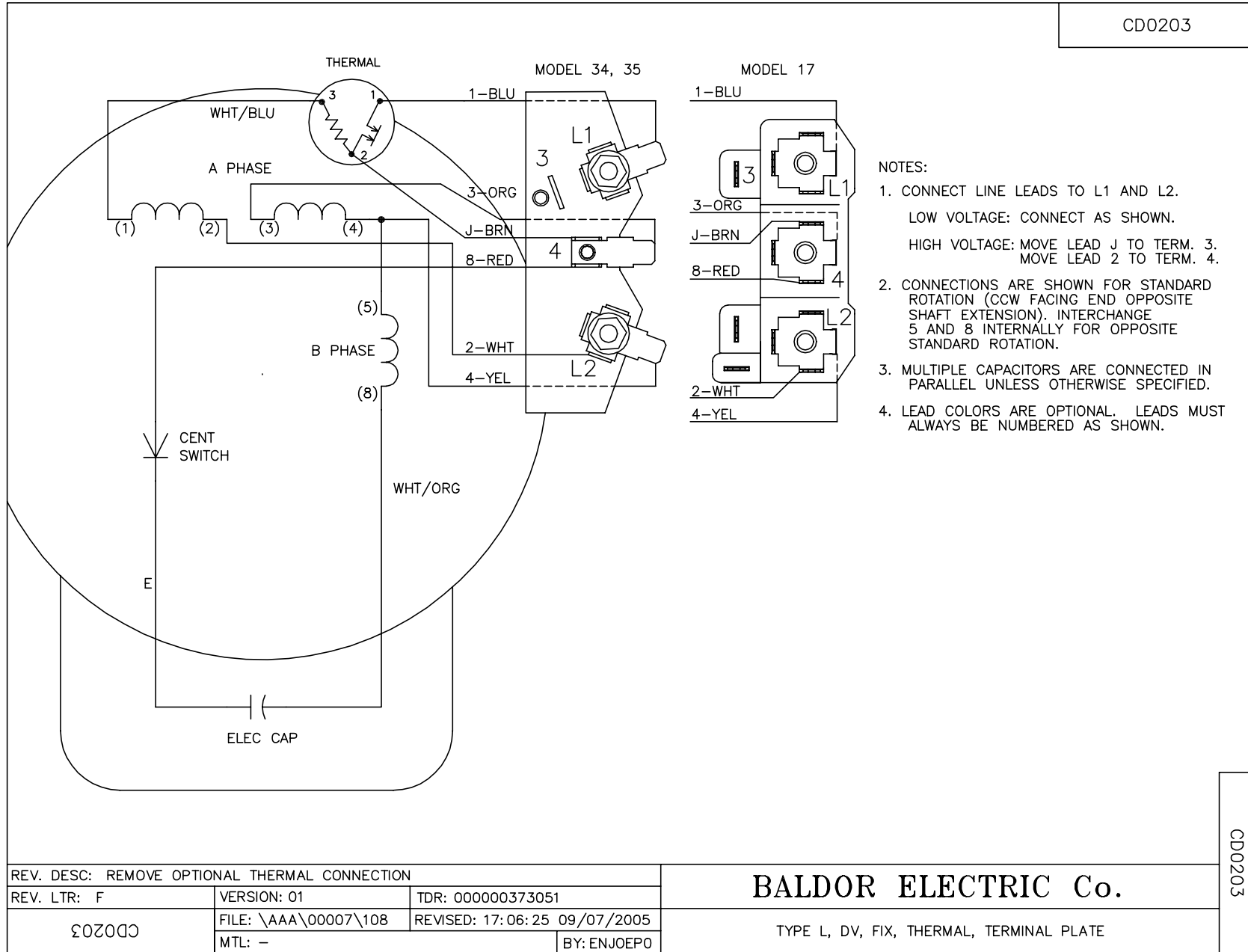
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	61	70	76	81	82
Efficiency	44.9	60.8	67.2	70.4	71.5	71.3	68.7
Speed	3569	3546	3522	3495	3464	3428	3383
Line amperes	2.57	2.7	2.99	3.31	3.74	4.24	4.56

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



11/21/2016 ACPERF: record # 52588

CD0203



CD0203

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373051
CD0203	FILE: \AAA\00007\108	REVISED: 17:06:25 09/07/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, FIX, THERMAL, TERMINAL PLATE