

BALDOR® • RELIANCE

Product Information Packet

JL3509A

1HP,3450RPM,1PH,60HZ,56J,3524L,TEFC,F1

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail							
Revision:	AT	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WG0498	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35F083	Layout:	
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	06-21-2007
Base:	N	Rotation:	FOS	Insulation:	B	Eff. Date:	02-29-2012
Leads:	4#16 A&J,1#14 #4TH	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1257L										
CAT.NO.	JL3509A									
SPEC.	35F83-498									
HP	1									
VOLTS	115/230									
AMP	12/6									
RPM	3450									
FRAME	56J	HZ				60	PH	1		
SER.F.	1.25	CODE				K	DES	N	CL	B
NEMA-NOM-EFF	66	PF				81				
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6205	ODE				6203				
ENCL	TEFC	SN								
	SFA 14.4/7.2									

Parts List		
Part Number	Description	Quantity
SA024898	SA 35F83-498	1.000 EA
RA020948	RA 35F83-498	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
TP5059	GENERIC THERMAL KIT	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
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	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
35EP3300A02SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A55	IEC FH NO GRSR,3 MTG HOLE NO DIMPLES, 1.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA

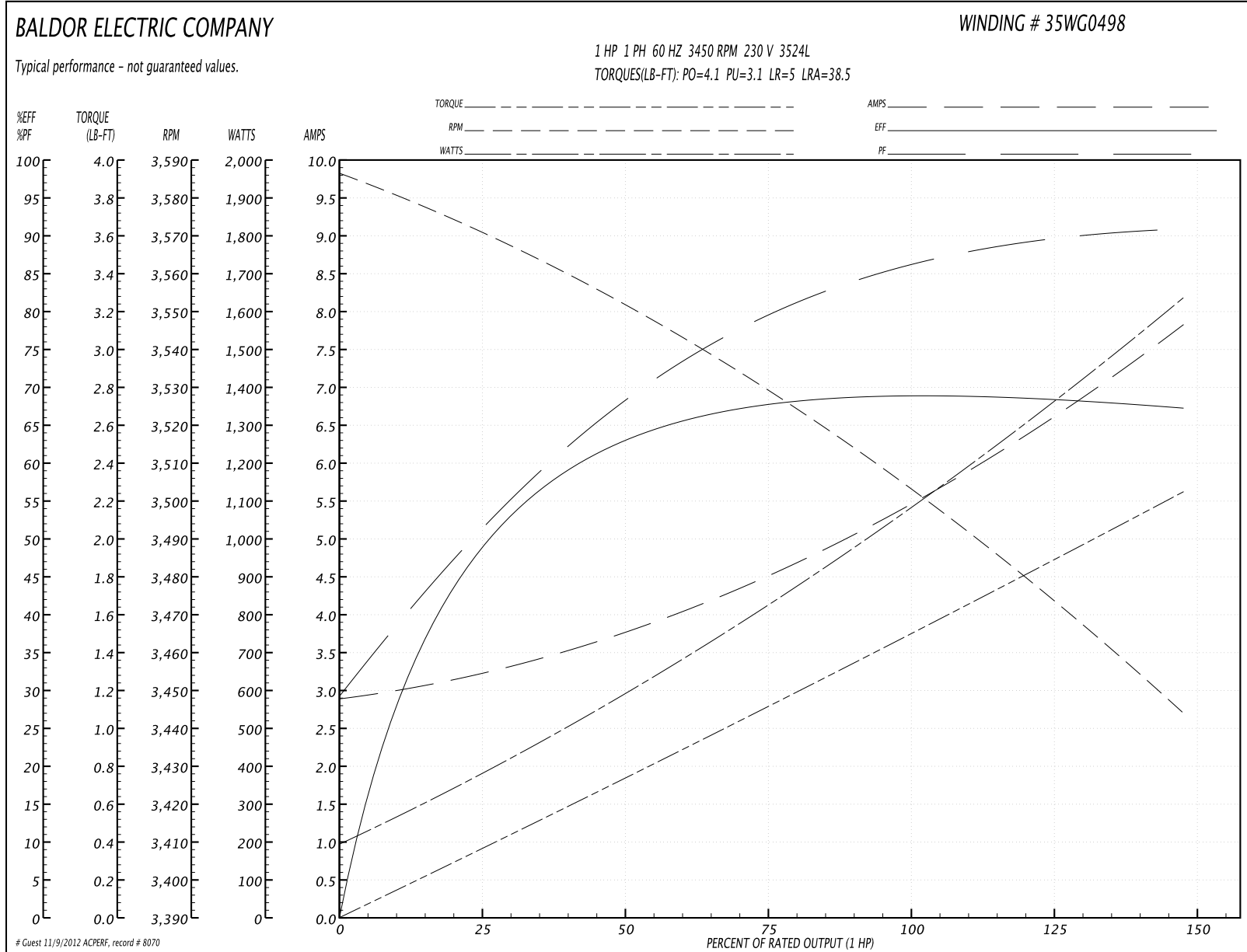
Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
LB1009	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
SP5055A27	MODEL 35 TYPE L STATIONARY SWITCH LEAD A	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
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0031	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

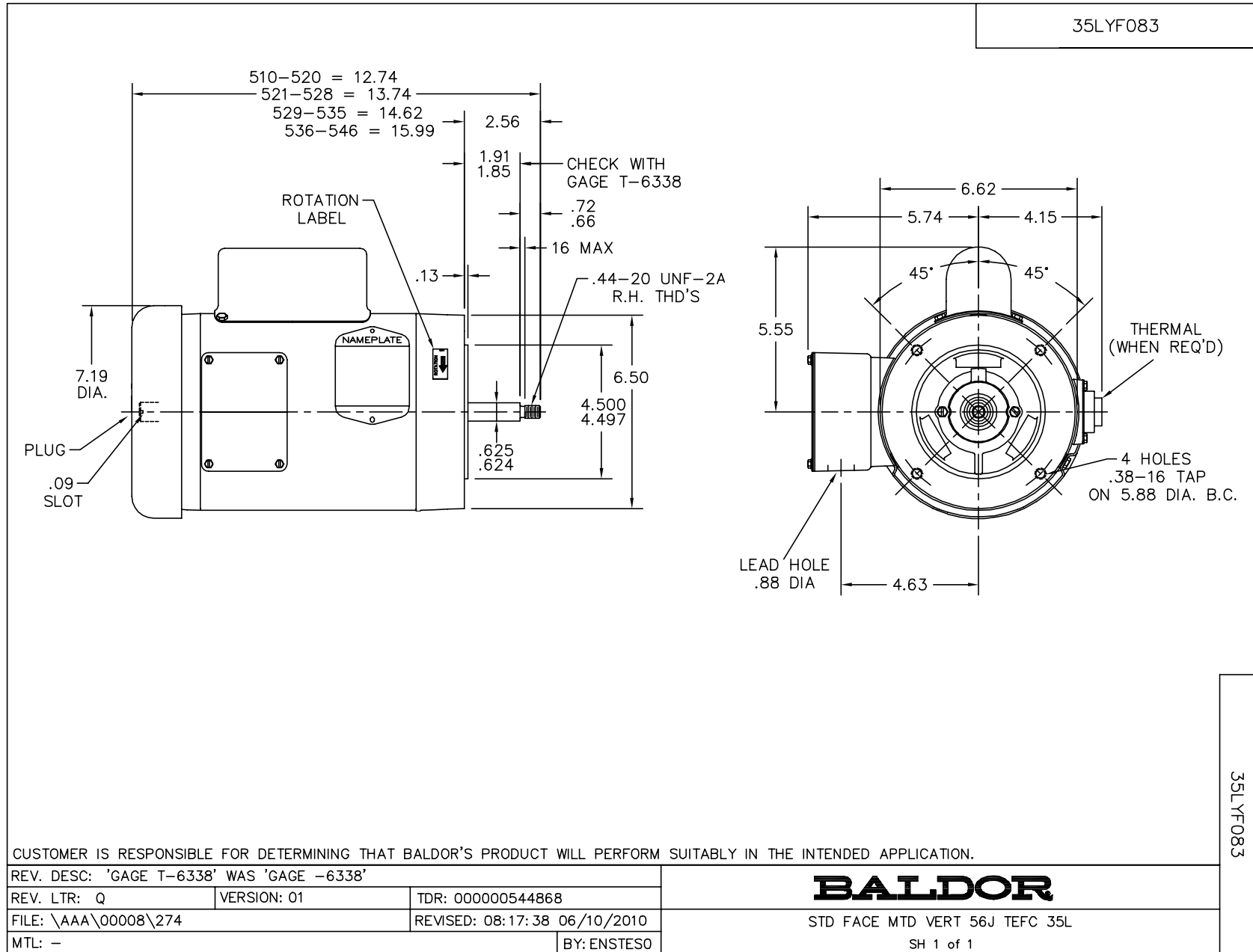
Performance Data at 230V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	1.5 LB-FT	Start Configuration:	DOL
No-Load Current:	2.95 Amps	Break-Down Torque:	4.1 LB-FT
Line-line Res. @ 25°C.:	2.46 Ohms A Ph / 1.75 Ohms B Ph	Pull-Up Torque:	3.1 LB-FT
Temp. Rise @ Rated Load:		Locked-Rotor Torque:	5.0 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	38.5 Amps

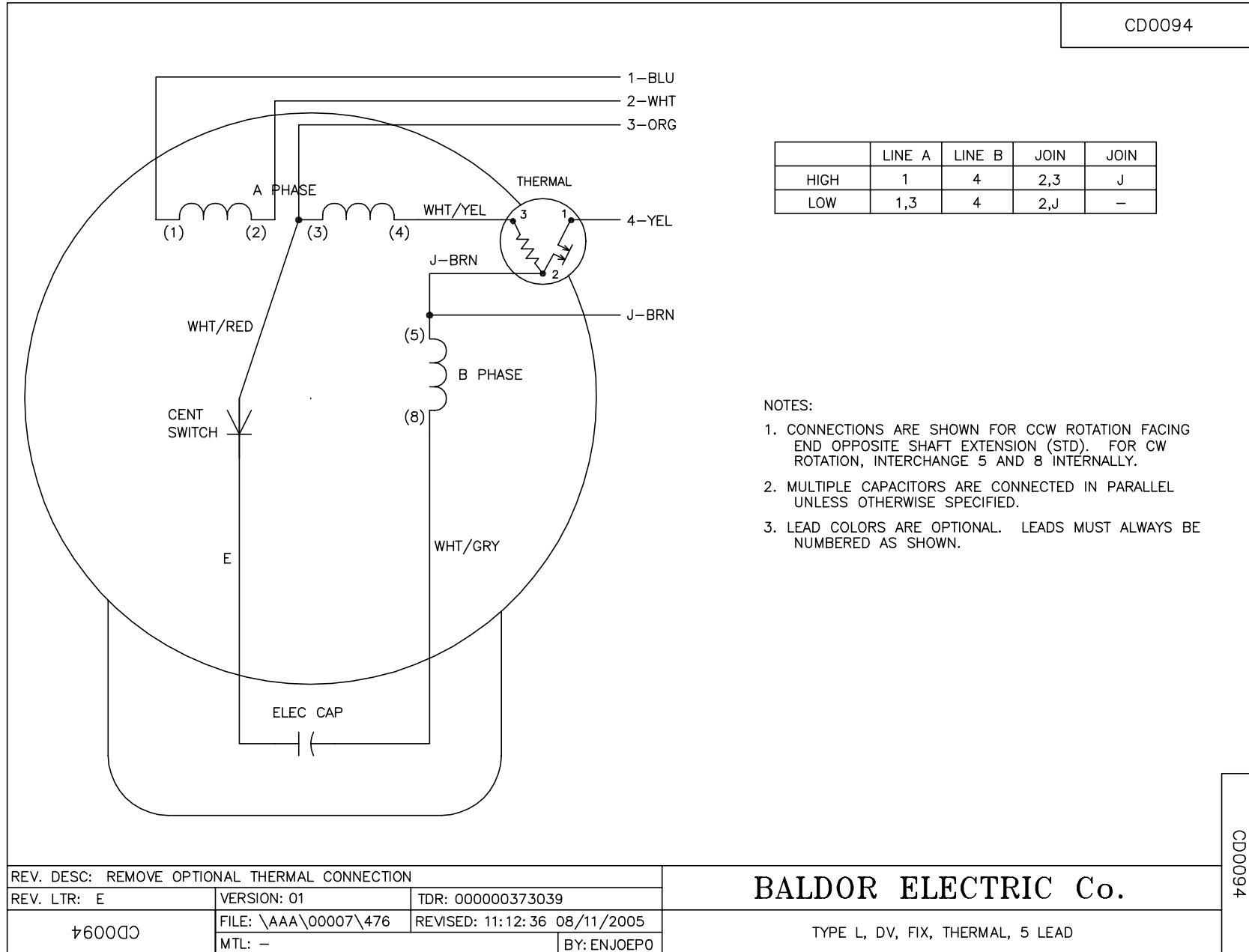
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	64.0	75.0	81.0	84.0	86.0	84.0
Efficiency:	49.0	65.0	67.0	69.0	68.0	67.5	68.0
Speed:	3570.0	3550.0	3530.0	3505.0	3472.0	3445.0	3472.0
Line Amperes:	3.2	3.7	4.5	5.5	6.75	7.7	6.75

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





CD0094



	LINE A	LINE B	JOIN	JOIN
HIGH	1	4	2,3	J
LOW	1,3	4	2,J	-

NOTES:

1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: E	VERSION: 01	TDR: 000000373039
CD0094	FILE: \AAA\00007\476	REVISED: 11:12:36 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, FIX, THERMAL, 5 LEAD

CD0094