

BALDOR® • RELIANCE

Product Information Packet

VL3510T

1HP,1725RPM,1PH,60HZ,143TC,3528L,TEFC,F1

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Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528L	Elec. Spec:	35WGN570	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35CC003	Layout:	
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	09-17-2012
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-21-2012
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	VL3510T								
SPEC.	35CC003N570G1								
HP	1								
VOLTS	115/230								
AMP	11.8/5.9								
RPM	1725								
FRAME	143TC	HZ	60	PH	1				
SER.F.	1.15	CODE	L	DES	L	CLASS	F		
NEMA-NOM-EFF	70	PF	78						
RATING	40C AMB-CONT								
CC	USABLE AT 208V			6.3					
DE	6205	ODE	6203						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA251365	SA 35CC003N570G1	1.000 EA
RA238207	RA 35CC003N570G1	1.000 EA
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING W/1.09 DIA. LEAD HOLE @ 6:	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
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A46	SPL FACE MTD EP-ENCL-145TC-205 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	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
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES W/AUTOPHERETIC	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA

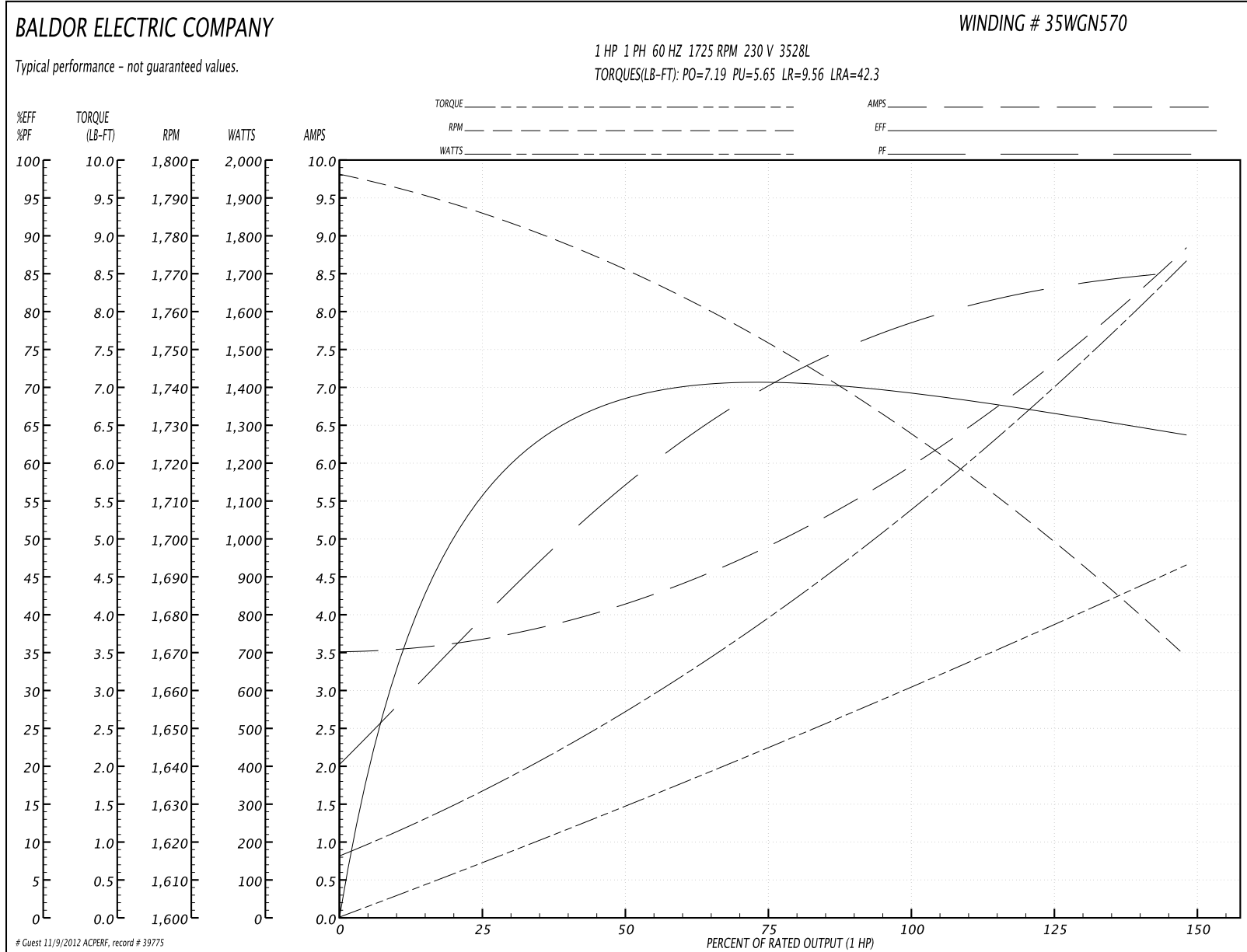
Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

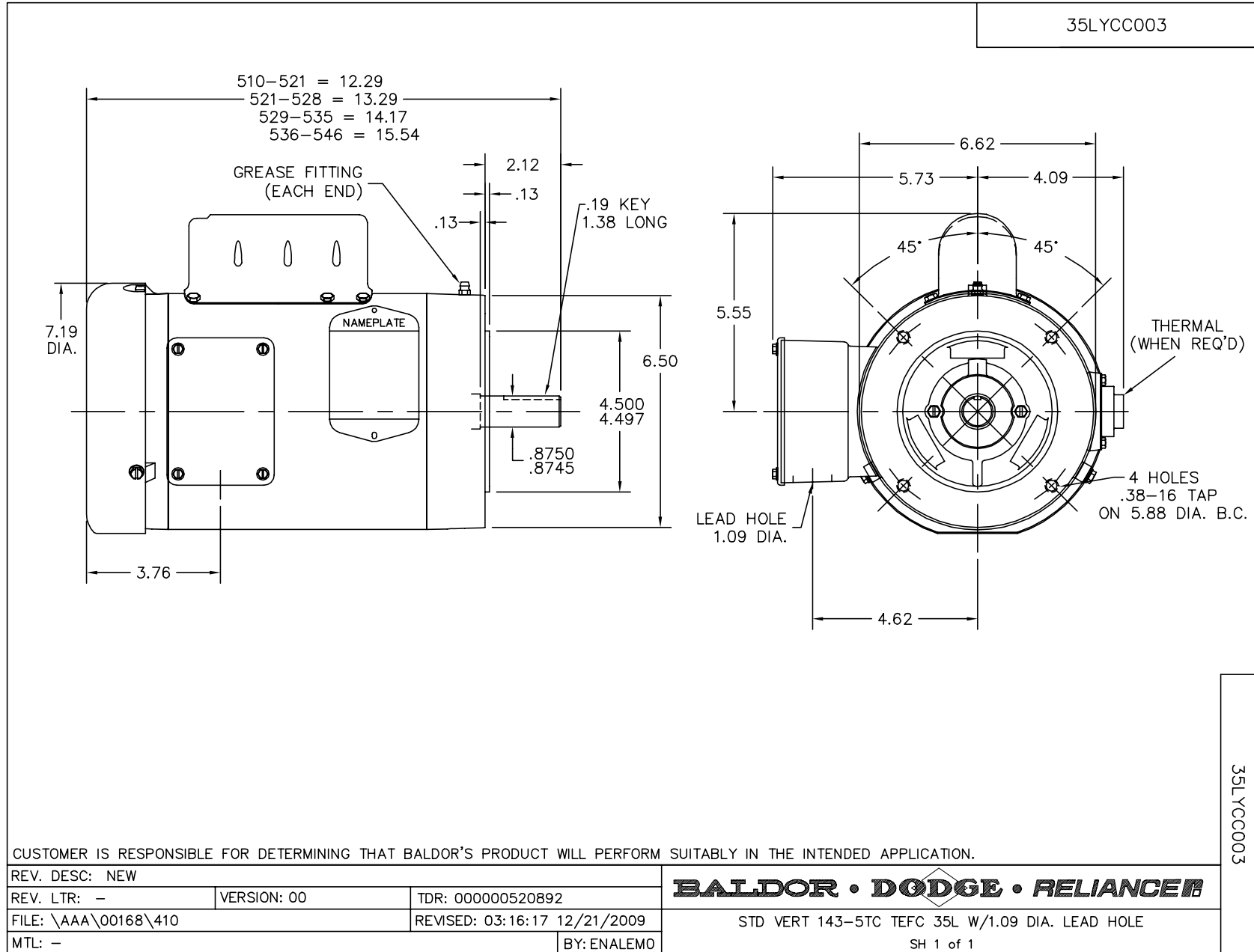
Performance Data at 230V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	2.99 LB-FT	Start Configuration:	DOL
No-Load Current:	3.48 Amps	Break-Down Torque:	7.19 LB-FT
Line-line Res. @ 25°C.:	2.6968 Ohms A Ph / 1.2724 Ohms B Ph	Pull-Up Torque:	5.65 LB-FT
Temp. Rise @ Rated Load:	85 C	Locked-Rotor Torque:	9.56 LB-FT
Temp. Rise @ S.F. Load:	104 C	Starting Current:	42.3 Amps

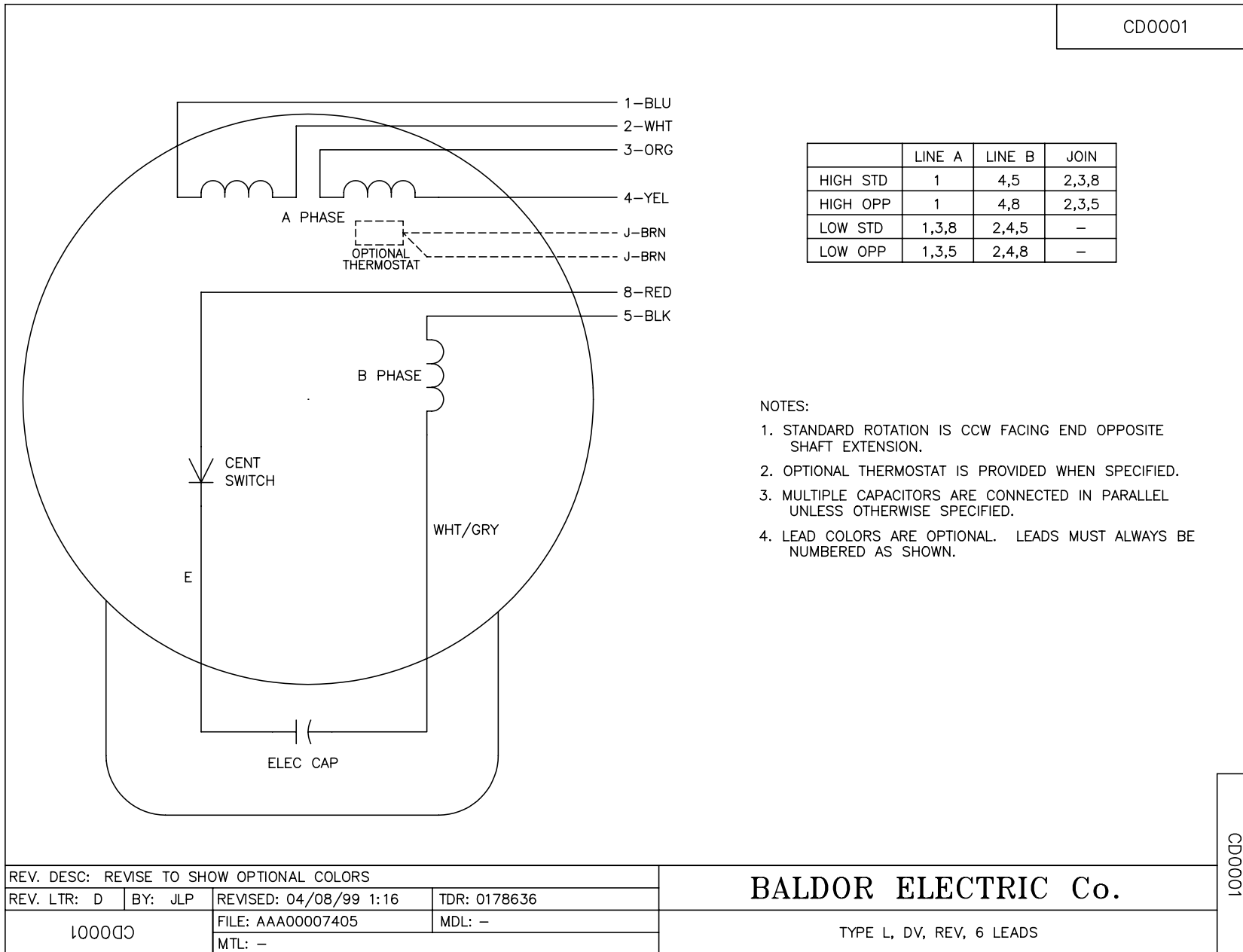
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	39.0	57.0	70.0	78.0	83.0	86.0	81.0
Efficiency:	52.1	66.0	70.4	70.1	68.0	63.1	68.8
Speed:	1784.4	1769.6	1751.8	1731.7	1705.7	1665.7	1716.0
Line Amperes:	3.67	4.15	4.89	5.87	7.11	8.9	6.61

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





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NOTES:

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

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

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