

BALDOR® • RELIANCE

Product Information Packet

BL3507

.75HP,1725RPM,1PH,60HZ,56,BRAKE,3428LC

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Part Detail									
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3428LC	Elec. Spec:	34WGY094	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G458	Layout:			
Frame:	56	Mounting:	F1	Poles:	04	Created Date:			
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-21-2011		
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1256L									
CAT.NO.	BL3507								
SPEC.	34G458Y094-C								
HP	.75								
VOLTS	115/230								
AMP	8.4/4.2								
RPM	1725								
FRAME	56	HZ	60	PH	1				
SER.F.	1.25	CODE	J	DES	N	CLASS	B		
NEMA-NOM-EFF	72	PF	78						
RATING	40C AMB-CONT								
CC		USABLE AT 208V	5.4						
DE	6203	ODE	6203						
ENCL	TEFC	SN							
	SFA 10/5								

Parts List		
Part Number	Description	Quantity
SA079728	SA 34G458Y094-C	1.000 EA
RA073153	RA 34G458Y094-C	1.000 EA
OC3020F12SP	CYL OIL CAP 20MFD/370V	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
34EP3900T09	FR ENDPLATE, MACH	1.000 EA
HA2001A01	SPACER, .218 ID X .250 LG	2.000 EA
11XT0832A12	8-32 X 3/4 HX WSHD SLTD, TY23	2.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
WD4006C05	WIRENUT, G-B #13-003 ORGSIZE 73B,105C B	2.000 EA
HW2500A13	KEY, USA #605, WOODRUFF	1.000 EA
18XN2520A08	1/4-20X1/2 FLAT HD SLTD X	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A03SP	IEC FH NO GREASER W/.88 DIA SHAFT HOLE	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	2.000 EA
SP5056A52	MODEL 35 LC STATIONARY SWITCH LEAD ASSY	1.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
48BK7101BP-	1-048-171-01-BP- BRAKE	1.000 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
35PA1005	PACKAGING GROUP	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA

Performance Data at 230V, 60Hz, 0.75HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		2.25 LB-FT		Start Configuration:		DOL	
No-Load Current:		2.8 Amps		Break-Down Torque:		5.7 LB-FT	
Line-line Res. @ 25°C.:		3.22 Ohms A Ph / 1.76 Ohms B Ph		Pull-Up Torque:		5.0 LB-FT	
Temp. Rise @ Rated Load:		71 C		Locked-Rotor Torque:		6.9 LB-FT	
Temp. Rise @ S.F. Load:		89 C		Starting Current:		24.7 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	57.0	70.0	78.0	82.0	86.0	82.0
Efficiency:	50.2	66.1	71.1	72.3	72.0	68.6	72.0
Speed:	1780.0	1766.0	1749.0	1729.0	1707.0	1675.0	1707.0
Line Amperes:	2.9	3.2	3.7	4.3	5.1	6.2	5.1

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values

BALDOR ELECTRIC COMPANY

WINDING # 39GW916

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 460 V 3938M

TORQUES(LB-FT): PO=171 PU=78.7 LR=99.4 LRA=118

%EFF
%PF

TORQUE
(LB-FT)

RPM

KW

AMPS

TORQUE _____

RPM _____

KW _____

AMPS _____

EFF _____

PF _____

Guest 11/9/2012 ACPERf, record # 12993

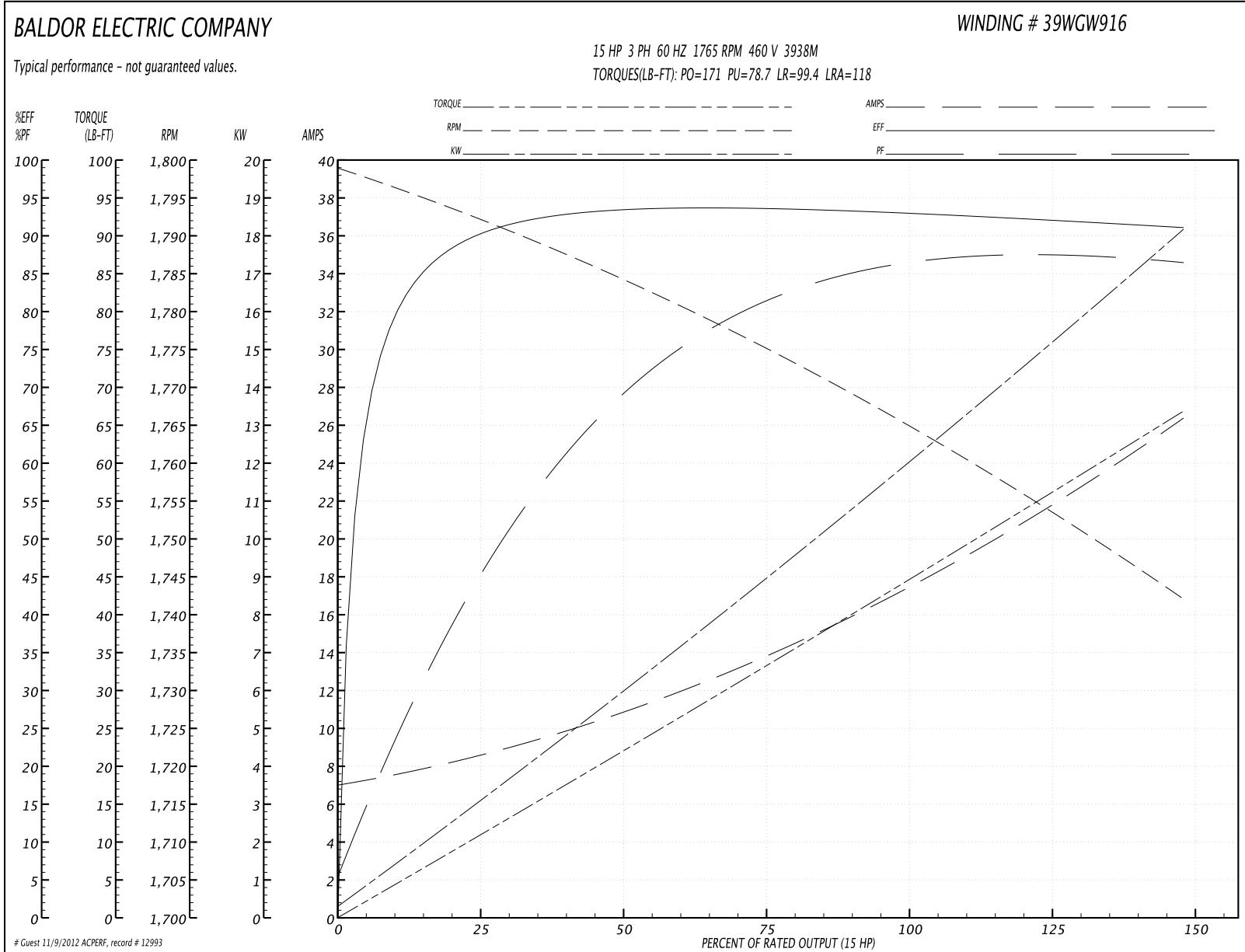
Performance Data at 115V, 60Hz, 0.56KW (Typical performance - Not guaranteed values)**General Characteristics**

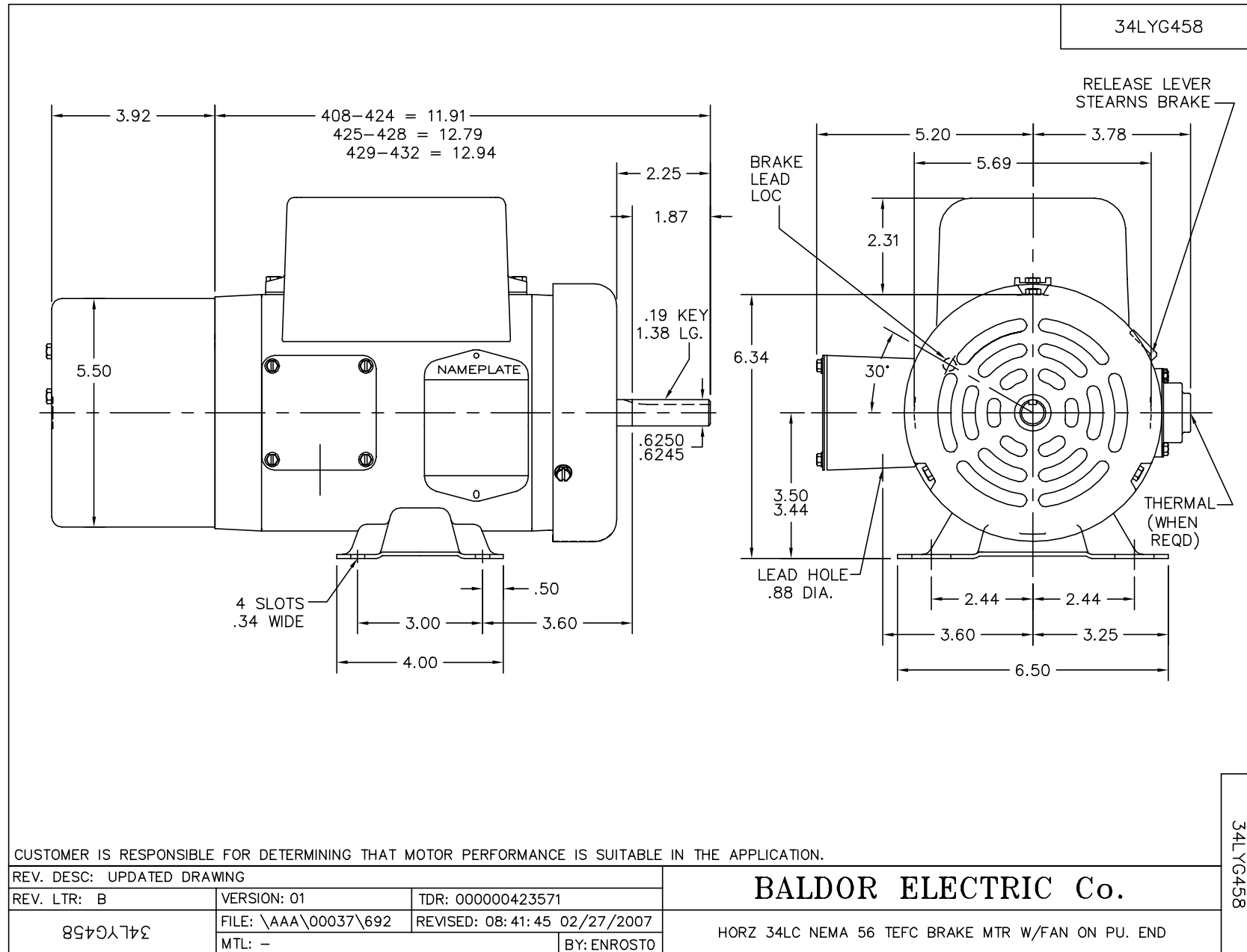
Full Load Torque:	3.06 N-M	Start Configuration:	DOL
No-Load Current:	5.6 Amps	Break-Down Torque:	7.73 N-M
Line-line Res. @ 25°C.:	0.79 Ohms A Ph / 1.73 Ohms B Ph	Pull-Up Torque:	6.78 N-M
Temp. Rise @ Rated Load:	71 C	Locked-Rotor Torque:	9.36 N-M
Temp. Rise @ S.F. Load:	87 C	Starting Current:	49.4 Amps

Load Characteristics

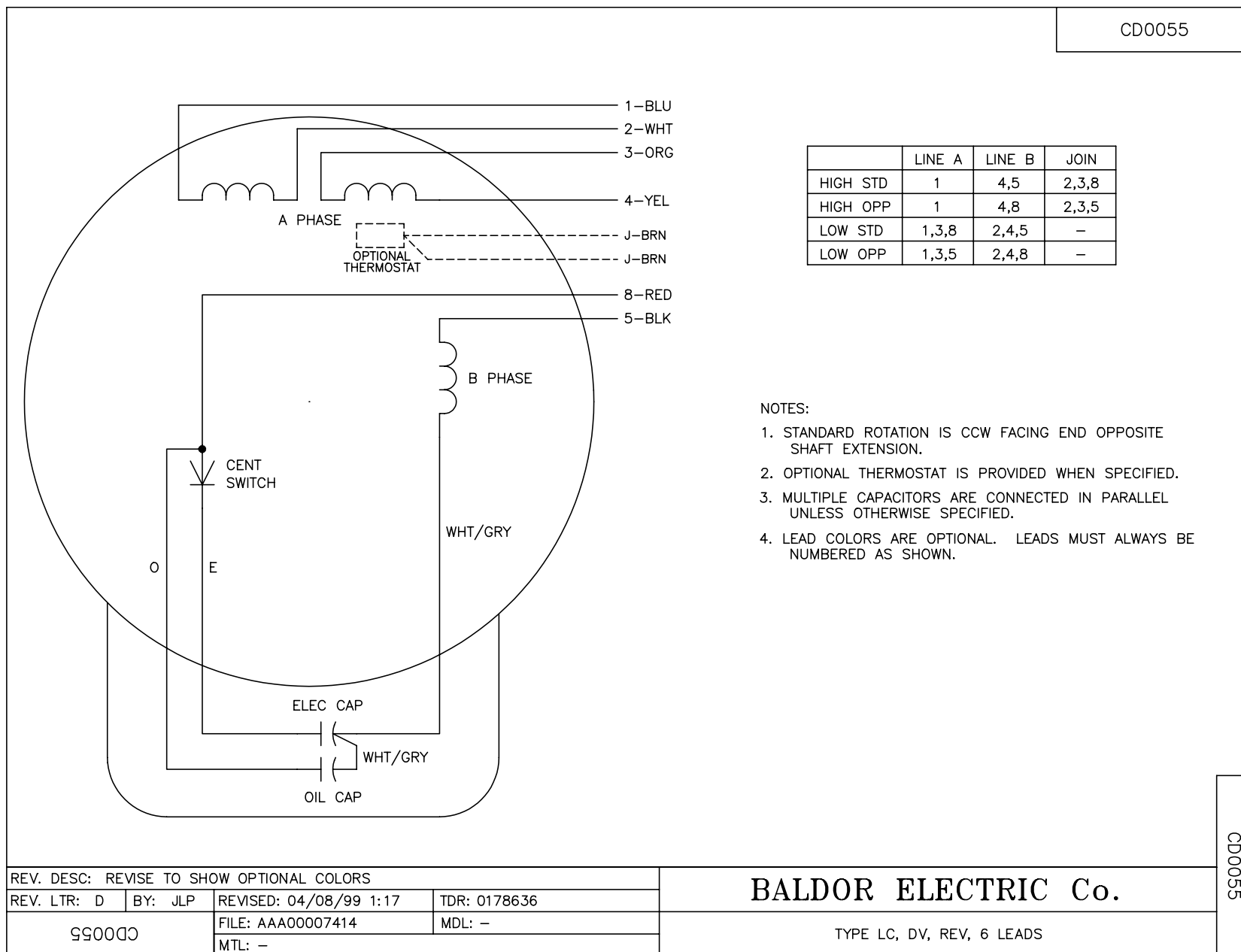
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	58.0	69.0	77.0	81.0	82.0	81.0
Efficiency:	50.5	66.3	71.1	72.4	72.0	68.5	72.0
Speed:	1780.0	1766.0	1749.0	1729.0	1707.0	1675.0	1707.0
Line Amperes:	5.81	6.4	7.4	8.61	10.2	12.4	10.2

Performance Graph at 115V, 60Hz, 0.56KW Typical performance - Not guaranteed values





CD0055



CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D BY: JLP REVISED: 04/08/99 1:17 TDR: 0178636

CD0055

FILE: AAA00007414

MDL: —

MTL: —

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS