

BALDOR® • RELIANCE 

Product Information Packet

L3516T

2HP, 1725RPM, 1PH, 60HZ, 145T, 3535LC, TEFC, F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGN513	CD Diagram:	CD0055	Mfg Plant:	
Mech. Spec:	35EE001	Layout:	35LYEE001	Poles:	04	Created Date:	05-30-2012
Base:	RG	Eff. Date:	03-14-2018	Leads:	4#16 A PH,2#18 B PH		

Specs			
Catalog Number:	L3516T	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	J
Frame:	145T	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 16 AWG, A PH
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3535LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	92
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	17.600 A @ 115.0 V	Shaft Ground Indicator:	No Shaft Grounding

	8.800 A @ 230.0 V	Shaft Rotation:	Reversible
Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	L3516T									
SPEC.	35EE001N513G1									
HP	2									
VOLTS	115/230									
AMP	17.6/8.8									
RPM	1725									
FRAME	145T				HZ	60			PH	1
SER.F.	1.15		CODE	J	DES	L		CLASS	F	
NEMA-NOM-EFF	78.5		PF	92						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6205				ODE	6203				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA245313	SA 35EE001N513G1	1.000 EA
RA232199	RA 35EE001N513G1	1.000 EA
OC3060C09SP	CAPACITOR 60 MFD 240 VAC	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB 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
35EP3122A00	MASTER ODE,203 BRG,.683SH,#26 DRN,GRSR,F	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3123F00	MASTER DE,205 BRG,.998SH,#26 DRN,GRSR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 EA
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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 40163 - Typical performance - not guaranteed values

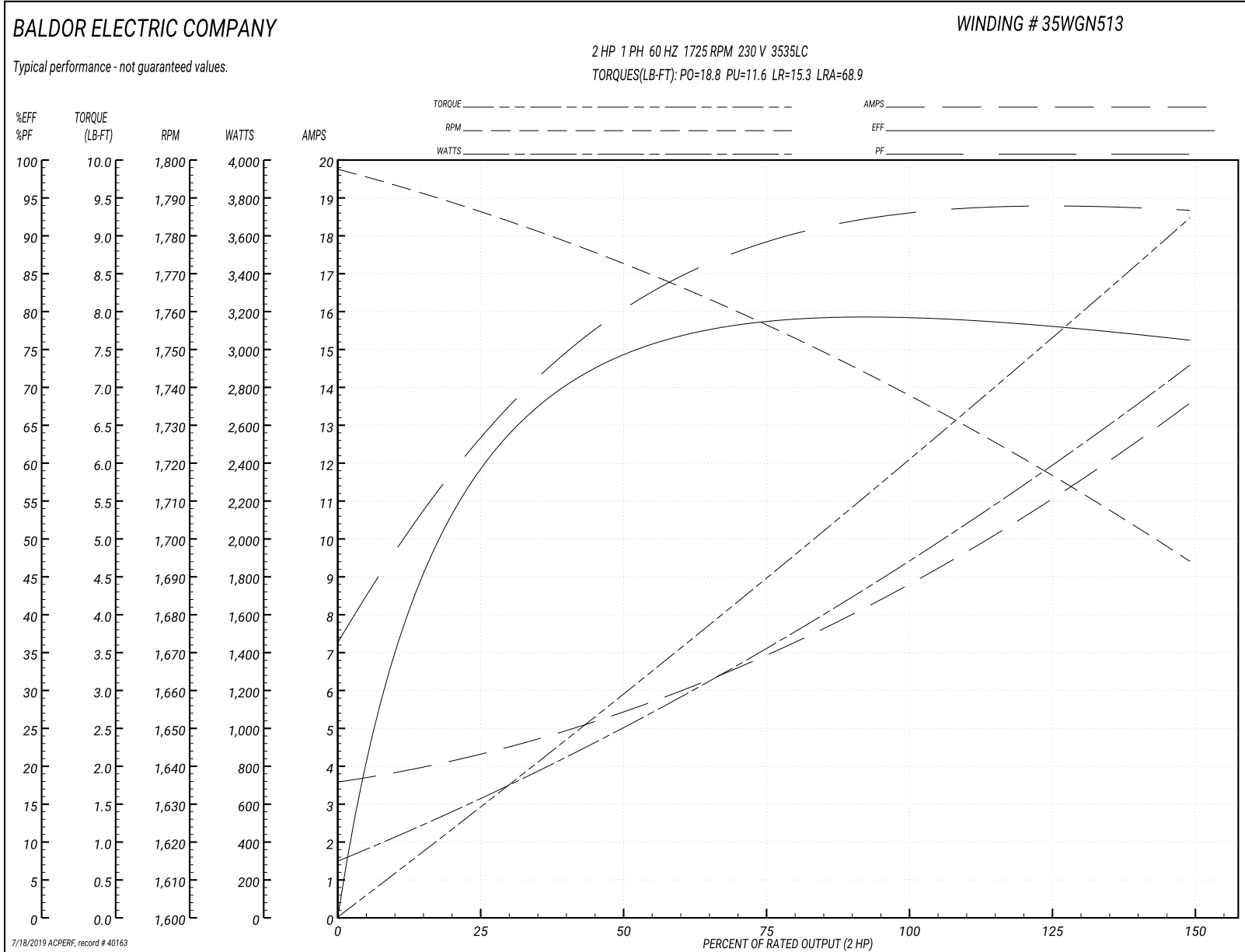
Winding: 35WGN513-R001	Type: 3535LC	Enclosure: TEFC
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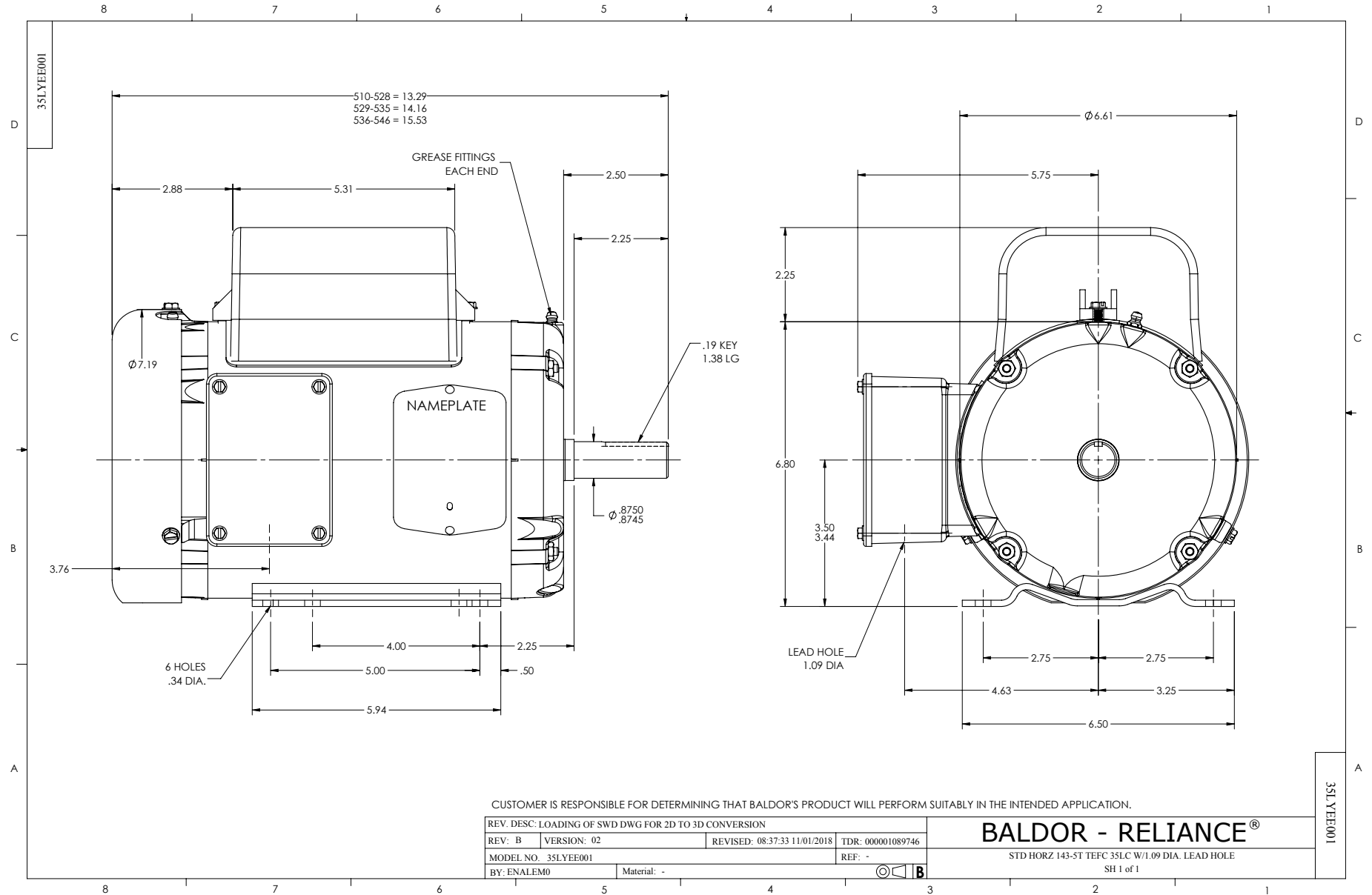
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.97 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	17.6/8.8			Breakdown Torque	18.8 LB-FT
R.P.M.	1725			Pull-up Torque	11.6 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	15.3 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	68.9 A
Service Factor (S.F.)	1.15			No-load Current	3.64 A
NEMA Nom. Eff.	78.5	Power Factor	92	Line-line Res. @ 25°C	1.2642 Ω A Ph 1.6216 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	98°C
S.F. Amps				Temp. Rise @ S.F. Load	112°C

Load Characteristics 230 V, 60 Hz, 2 HP

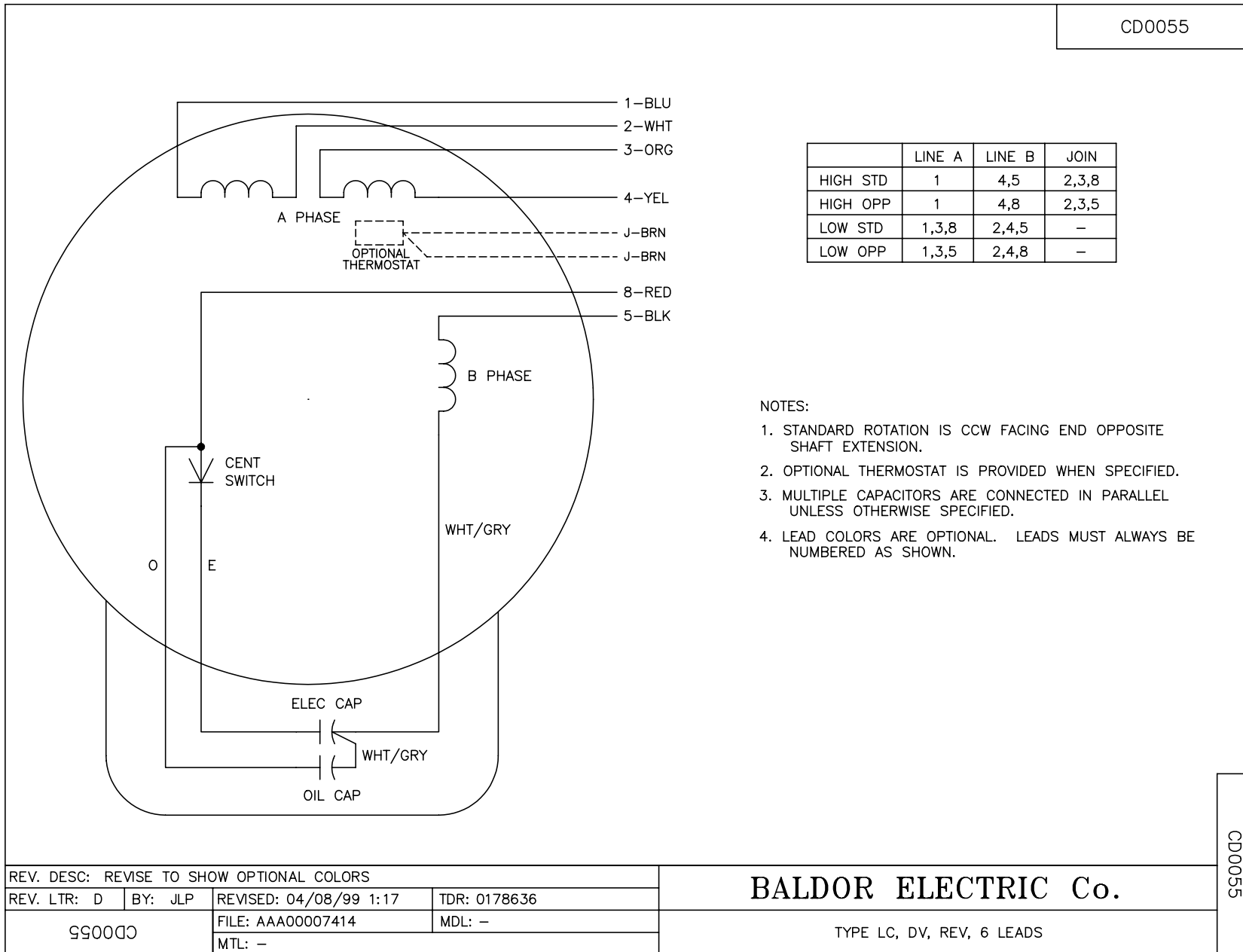
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	81	88	92	94	94	93
Efficiency	57.1	73	78.4	79.7	78.9	75.8	79.2
Speed	1785.6	1771.8	1757.2	1739.8	1719.4	1692.6	1728
Line amperes	4.17	5.39	6.93	8.74	10.9	13.6	10

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0055



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
990000		FILE: AAA00007414	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS

CD0055