

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **AFL3522A**

**1.5HP,3450RPM,1PH,60HZ,143TZ,3528L,TEAO**

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528L	Elec. Spec:	35WG0525	CD Diagram:	CD0052
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35T889	Layout:	35LYT889
Frame:	143TZ	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	RS	Insulation:	B	Eff. Date:	10-21-2016
Leads:	4#16 A&J,2#18 B PH,1#14 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L									
CAT.NO.	AFL3522A								
SPEC.	35T889-0525								
HP	1.5								
VOLTS	115/230								
AMP	16.6/8.3								
RPM	3450								
FRAME	143TZ								
				HZ	60			PH	1
SER.F.	1.00			CODE	H		DES	L	CL
NEMA-NOM-EFF	70			PF	82				B
RATING	40C AMB-CONT								
CC							USABLE AT 208V	8.6	
DE	6205			ODE	6203				
ENCL	TEAO			SN					

Parts List		
Part Number	Description	Quantity
SA111025	SA 35T889-0525	1.000 EA
RA102404	RA 35T889-0525	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
35EP3102A02SP	FR ENDPLATE, MACH	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
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
35EP3101A01SP	PUEP-ENCLOSED-205 BRG-W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 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-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.017 GA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
SP5066A01	MODEL 35 TERMINAL PANEL SWITCH WITH LEAD	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
35-8762	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

**AC Induction Motor Performance Data**

Record # 8080 - Typical performance - not guaranteed values

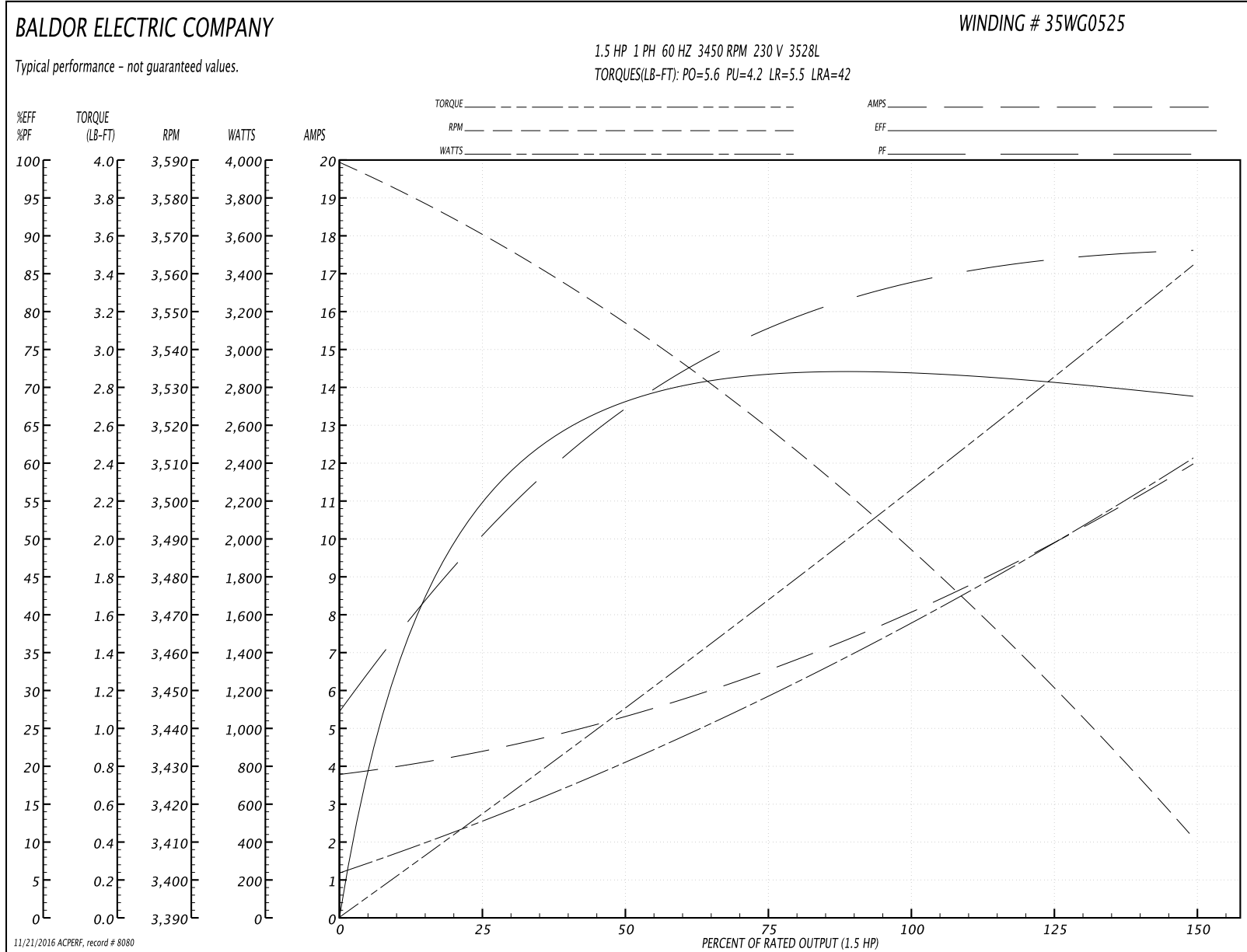
<b>Winding:</b> 35WG0525-R001	<b>Type:</b> 3528L	<b>Enclosure:</b> TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	16.6/8.3			Breakdown Torque	5.6 LB-FT
R.P.M.	3450			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.5 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	42 A
Service Factor (S.F.)	1			No-load Current	3.8 A
NEMA Nom. Eff.	70	Power Factor	82	Line-line Res. @ 25°C	1.26 Ω A Ph 1.23 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

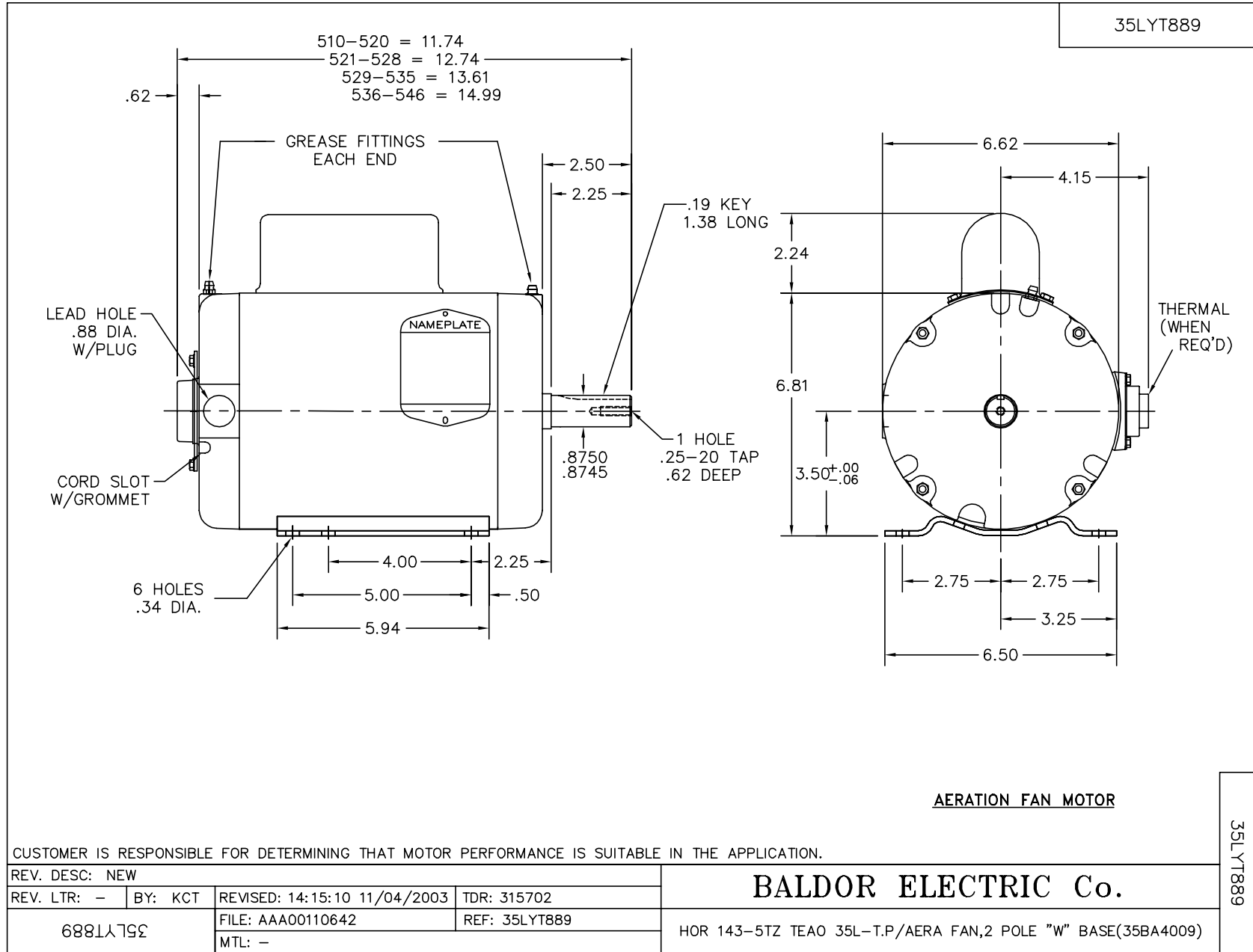
% of Rated Load	25	50	75	100	125	150
Power Factor	52	69	78	84	87	88
Efficiency	54.9	67.7	71.6	72.4	71.2	68.4
Speed	3568	3543	3518	3485	3452	3409
Line amperes	4.4	5.4	6.6	8.3	9.9	12

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values

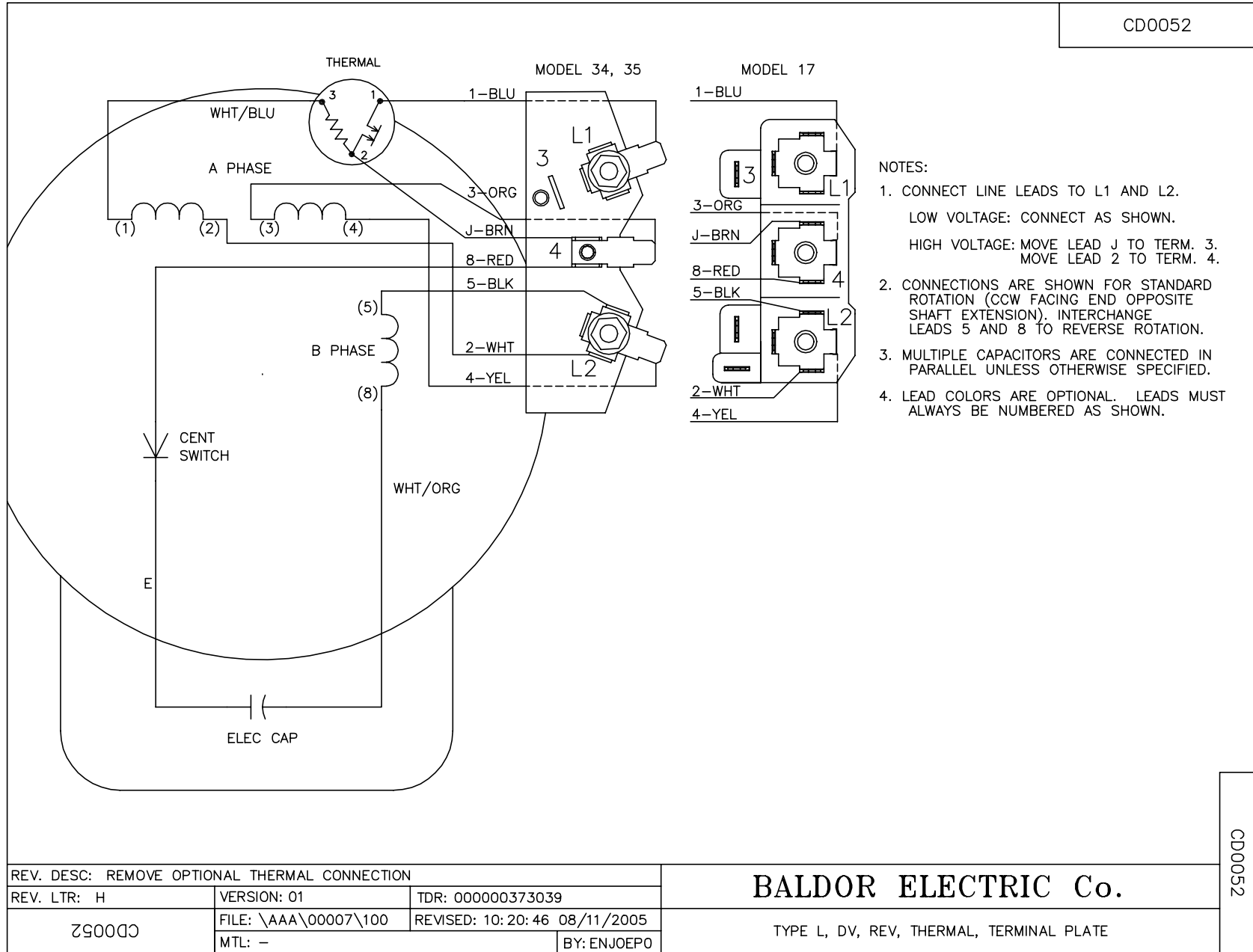


11/21/2016 ACPERF, record # 8080





CD0052



CD0052

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: H	VERSION: 01	TDR: 000000373039
Z90052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, THERMAL, TERMINAL PLATE