

BALDOR® • *RELIANCE*

Product Information Packet

AFL3523A

2HP,3450RPM,1PH,60HZ,143TZ,3535L,TEAO,F1

Part Detail							
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3535L	Elec. Spec:	35WG5184	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#14 A&J,2#18 B PH,1#12 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L											
CAT.NO.	AFL3523A										
SPEC.	35T889-5184										
HP	2										
VOLTS	115/230										
AMP	23/11.5										
RPM	3450										
FRAME	143TZ				HZ	60			PH	1	
SER.F.	1.00				CODE	K		DES	L	CL	B
NEMA-NOM-EFF	74				PF	82					
RATING	40C AMB-CONT										
CC								USABLE AT 208V			
DE	6205				ODE	6203					
ENCL	TEAO				SN						

Parts List		
Part Number	Description	Quantity
SA111026	SA 35T889-5184	1.000 EA
RA102405	RA 35T889-5184	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

Parts List (continued)		
Part Number	Description	Quantity
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 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

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 53087 - Typical performance - not guaranteed values

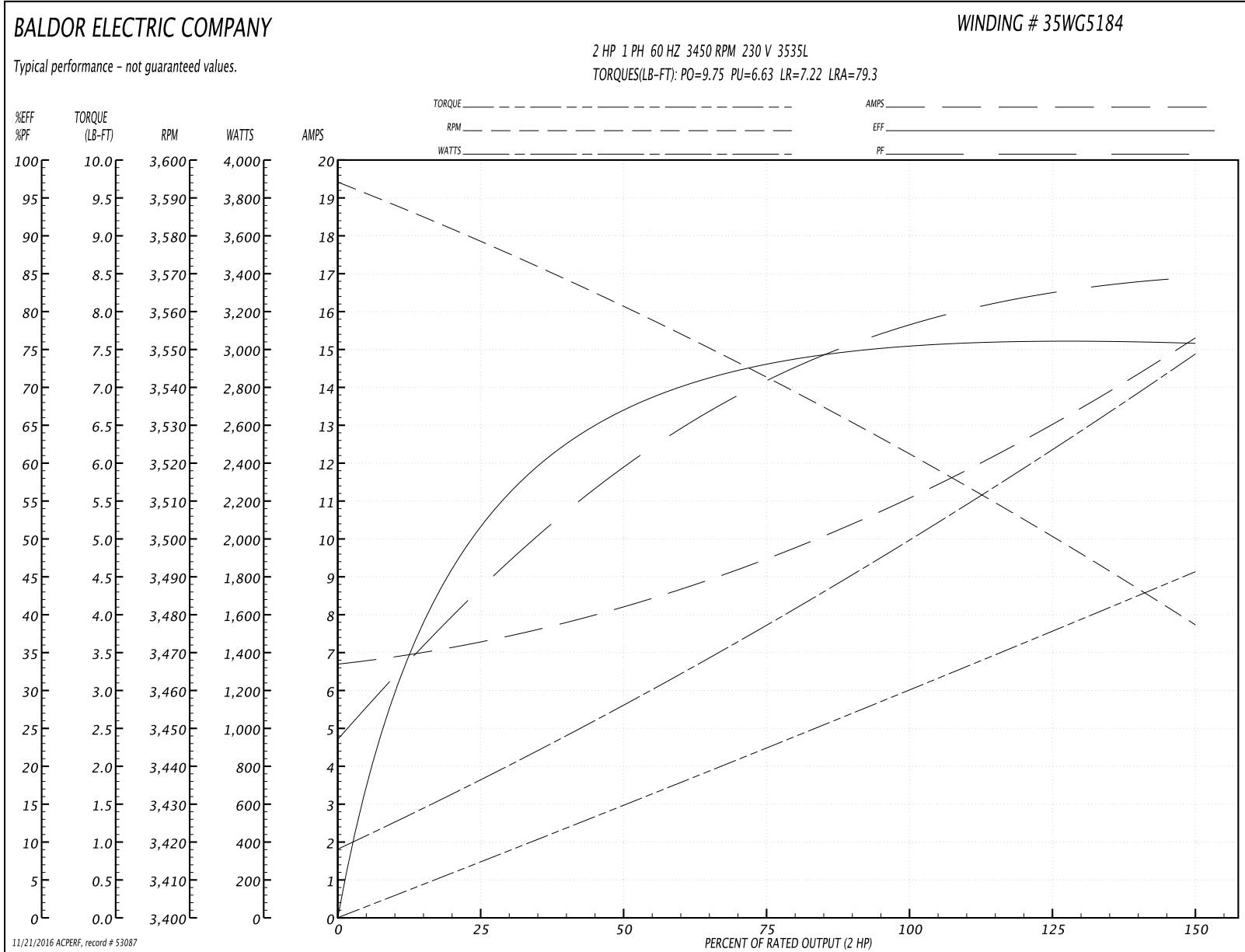
Winding: 35WG5184-R001	Type: 3535L	Enclosure: TEFC
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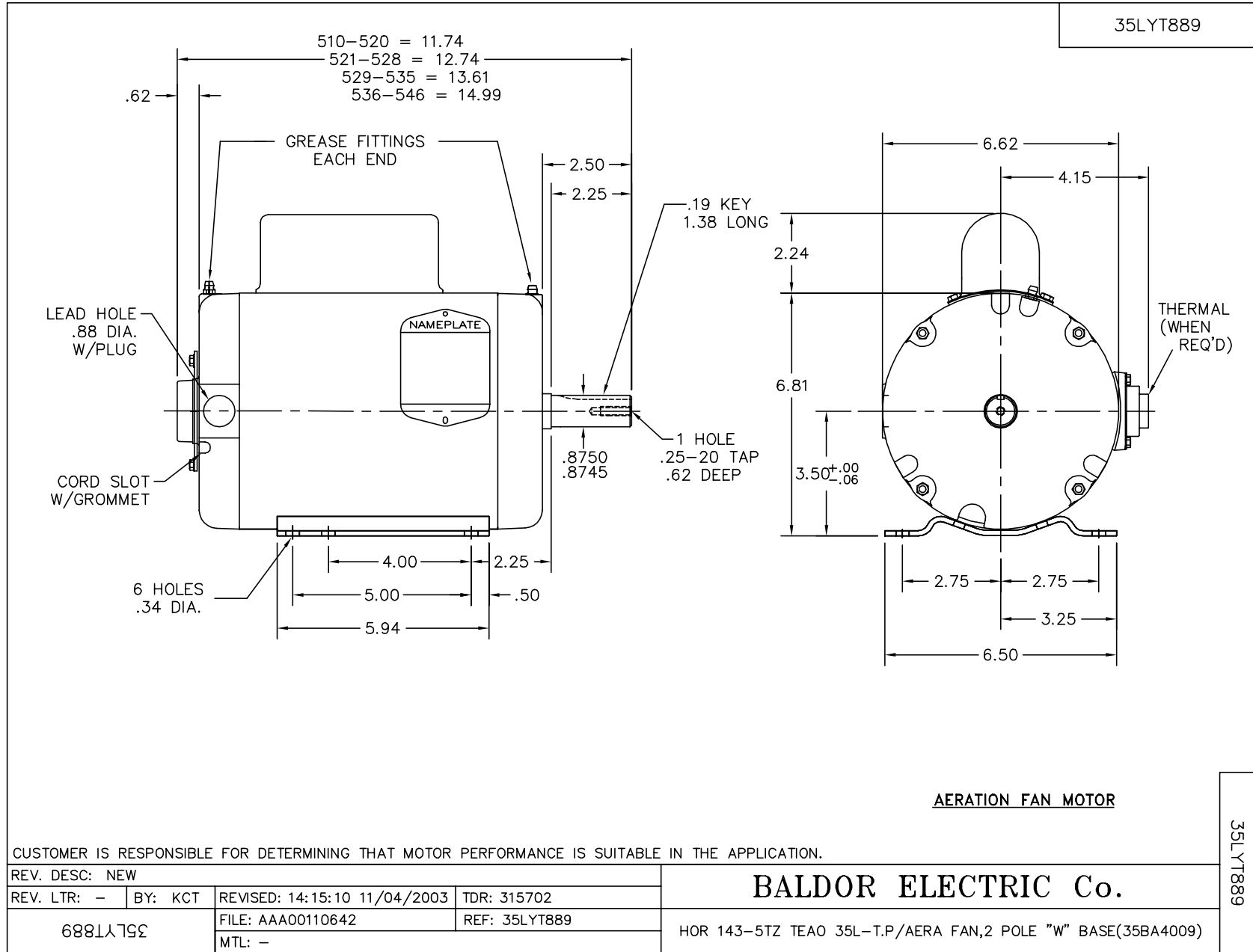
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3.05 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	23/11.5			Breakdown Torque	9.75 LB-FT
R.P.M.	3450			Pull-up Torque	6.63 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.22 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	79.3 A
Service Factor (S.F.)	1			No-load Current	6.71 A
NEMA Nom. Eff.	74	Power Factor	82	Line-line Res. @ 25°C	0.91834 Ω A Ph 1.023 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	79°C

Load Characteristics 230 V, 60 Hz, 2 HP

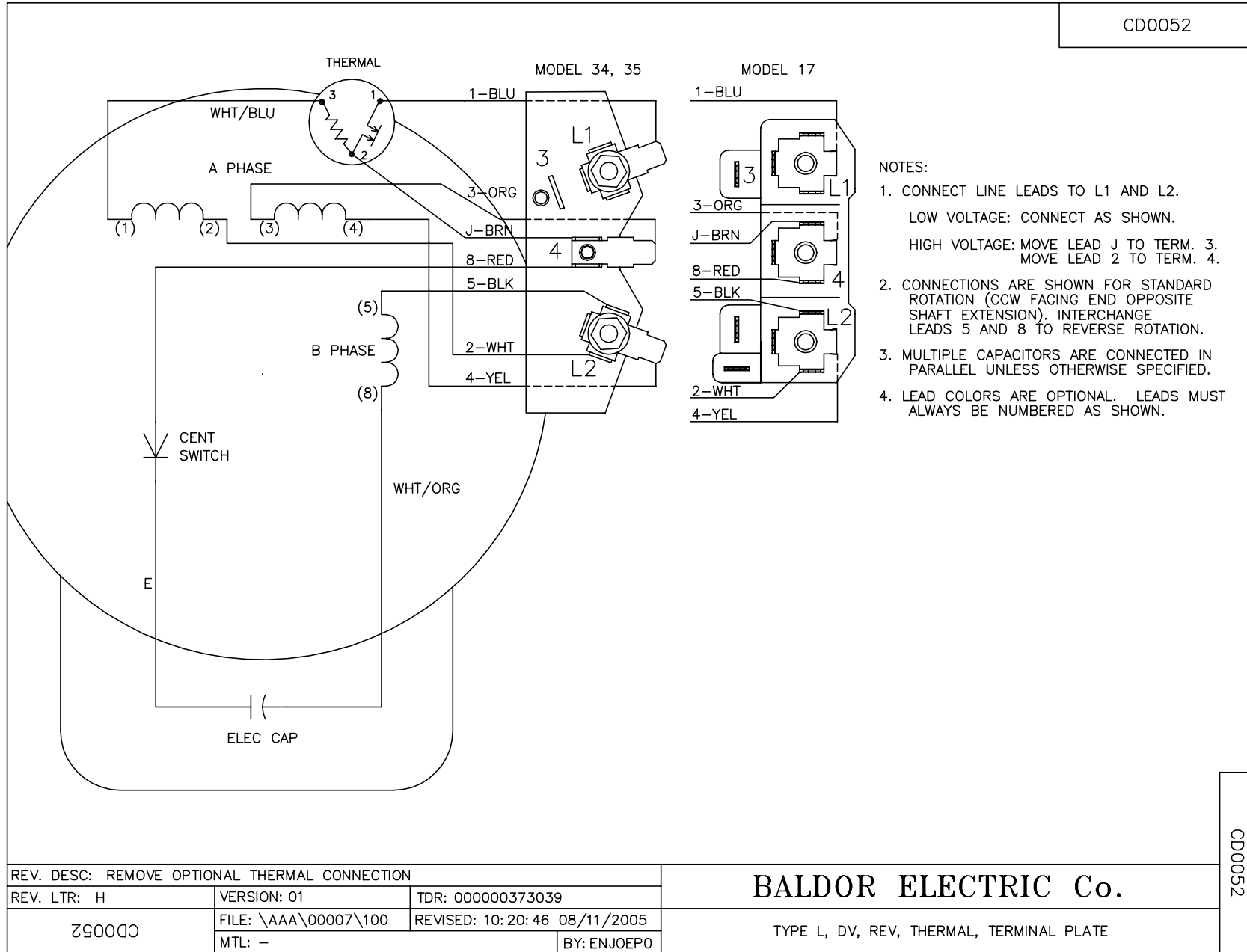
% of Rated Load	25	50	75	100	125	150
Power Factor	46	61	71	78	82	85
Efficiency	50.9	66.8	73.6	76.2	76.5	75.5
Speed	3575.5	3559.4	3542.1	3522.8	3500.8	3476
Line amperes	7.3	8.23	9.57	11.2	13.1	15.3

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





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