

BALDOR® • RELIANCE 

Product Information Packet

AFL3520A

.75HP,3450RPM,1PH,60HZ,56Z,3420L,TEAO,F1

Part Detail							
Revision:	AA	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0656	CD Diagram:	CD0052	Mfg Plant:	
Mech. Spec:	34K048	Layout:	34LYK048	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	07-16-2018	Leads:	6#18,1#14 #1TH		

Specs			
Catalog Number:	AFL3520A	Inverter Code:	Not Inverter
Enclosure:	TEAO	KVA Code:	J
Frame:	56Z	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.750 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Lead Hole
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Cord And Plug
	230.0 V @ 60 HZ	Motor Type:	3420L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	68
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	11.000 A @ 115.0 V	Shaft Ground Indicator:	No Shaft Grounding

	5.500 A @ 230.0 V	Shaft Rotation:	Reversible: Connected Standard
Design Code:	N	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 (OLD)
Front Face Code:	Terminal Panel	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Automatic Thermal Overload
Insulation Class:	B	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP1280L											
CAT.NO.	AFL3520A										
SPEC.	34K48-656										
HP	.75										
VOLTS	115/230										
AMP	11/5.5										
RPM	3450										
FRAME	56Z				HZ	60			PH	1	
SER.F.	1.00				CODE	J		DES	N	CL	B
NEMA-NOM-EFF	71				PF	68					
RATING	40C AMB-CONT										
CC									USABLE AT 208V		
DE	6203				ODE	6203					
ENCL	TEAO				SN						

Parts List		
Part Number	Description	Quantity
SA008195	SA 34K48-656	1.000 EA
RA004642	RA 34K48-656	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
34EP3204A01SP	FR ENDPLATE, MACH	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
SP5068A01	34L TERM PANEL STAT SWITCH #E-6"	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
34GS1005	GASKET, TERM PLATE LID	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1025C02	WILKOFASST SG, 787.105, TAN	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 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
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 50784 - Typical performance - not guaranteed values

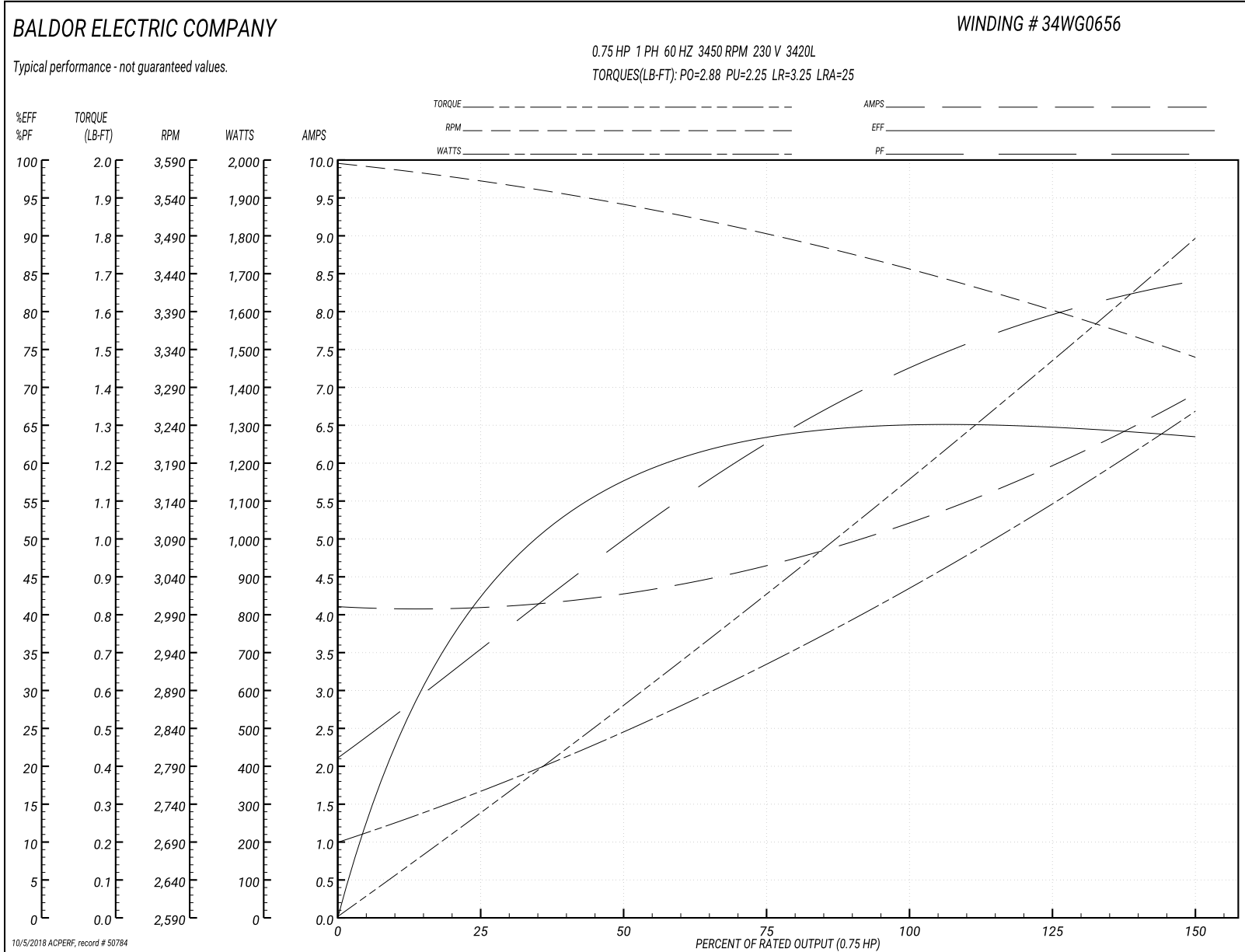
Winding: 34WG0656-R001	Type: 3420L	Enclosure: TEAO
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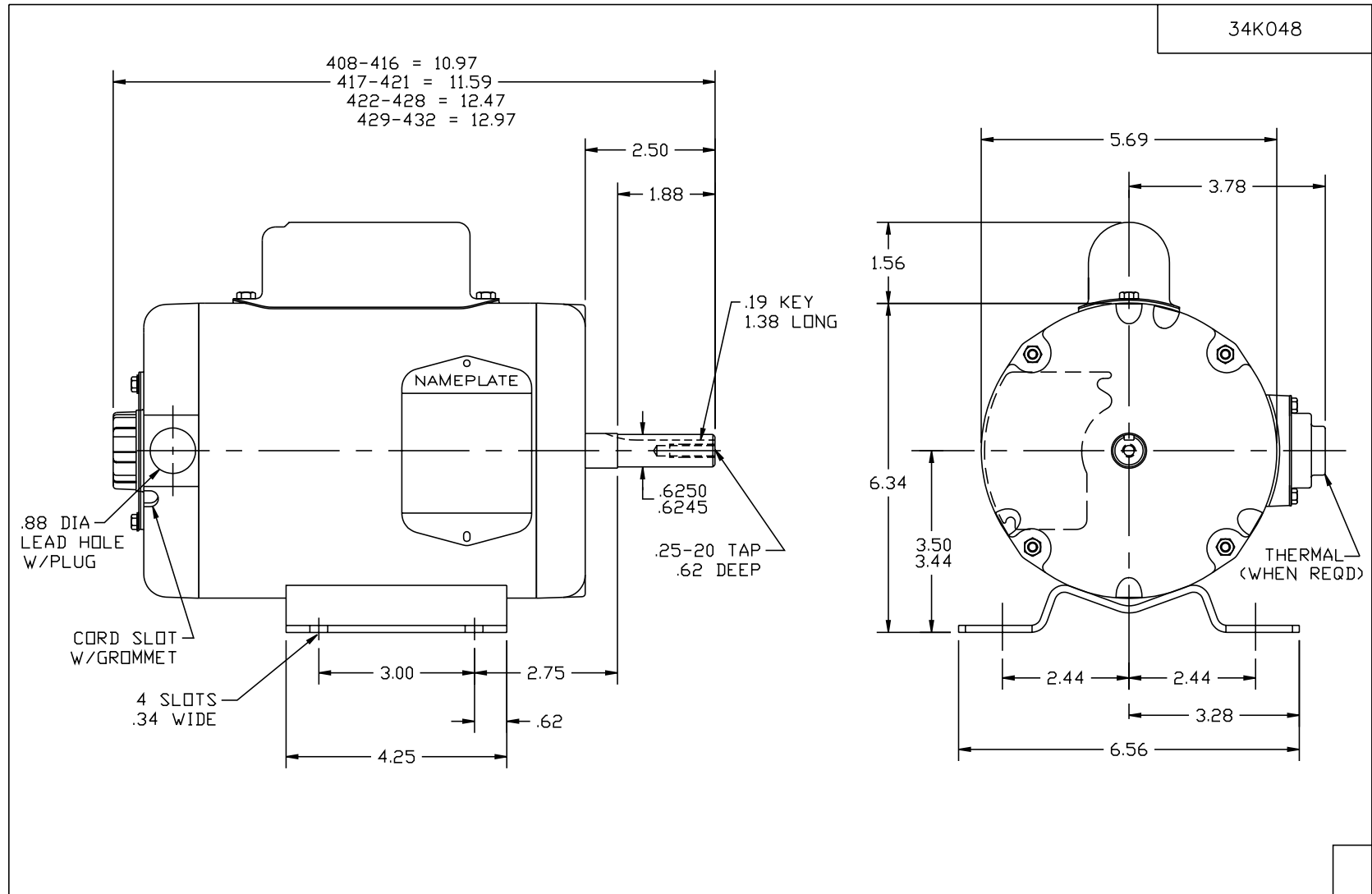
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.2 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	11/5.5			Breakdown Torque	2.88 LB-FT
R.P.M.	3450			Pull-up Torque	2.25 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.25 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	25 A
Service Factor (S.F.)	1			No-load Current	4.07 A
NEMA Nom. Eff.	71	Power Factor	68	Line-line Res. @ 25°C	3.18 Ω A Ph 2.53 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	49	61	70	75	80
Efficiency	42	58	64	66	65	63
Speed	3557	3522	3485	3440	3399	3320
Line amperes	4.16	4.3	4.7	5.4	5.9	7

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



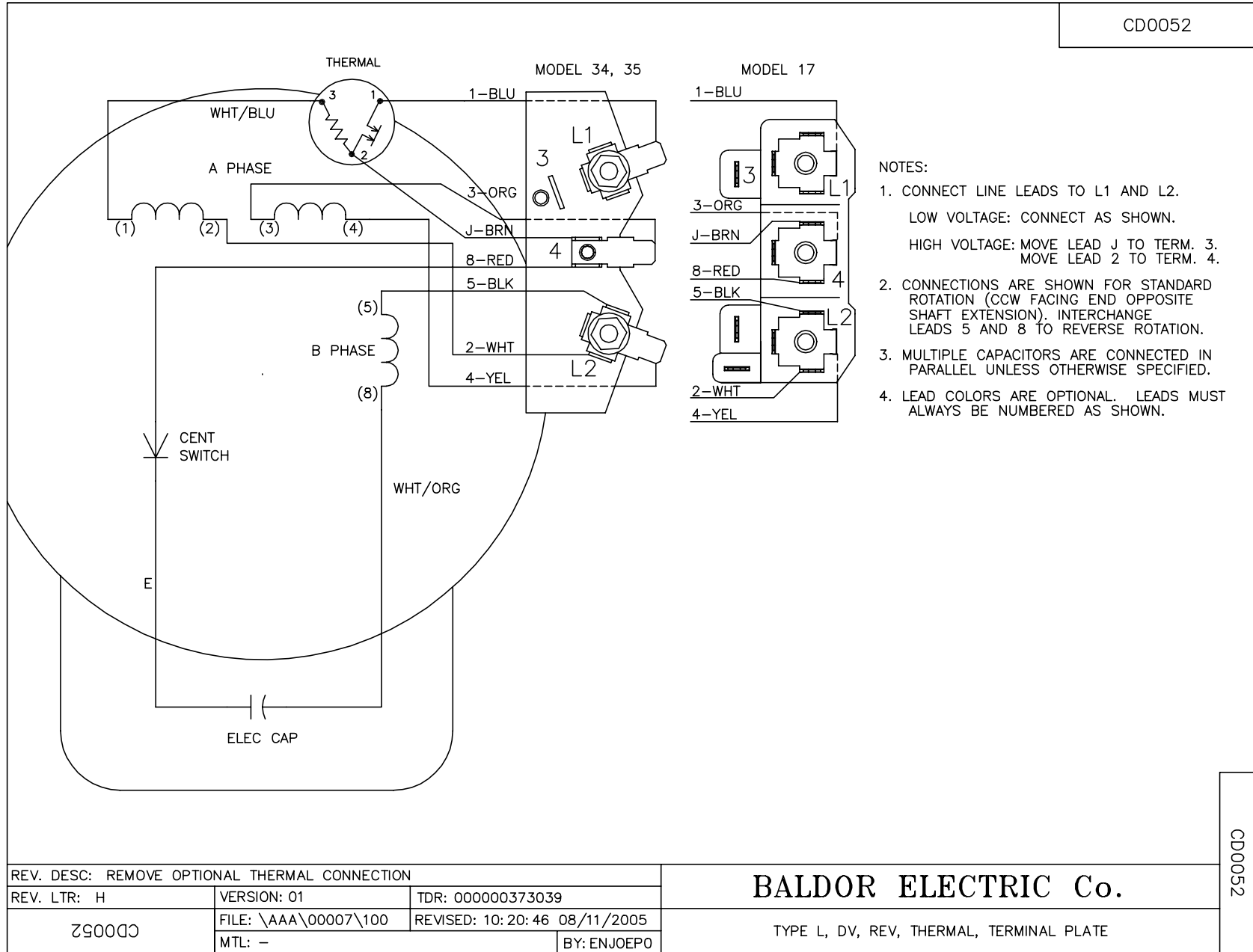


34K048

CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB	
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL	
PHASE		FREQ		FRAME		REMARKS:					
REV:	B	MOVED TO ACAD									
34K048		REF: 34C051	BY: MW	REVISED: 12/07/95		BALDOR ELECTRIC Co.					
		FILE: AAA00026170	TDR: 0086258								
HORZ MODEL 34L NEMA 56Z TENV W/TERM PLATE (AERATION FAN MTR)											

34K048

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