

BALDOR® • RELIANCE 

Product Information Packet

CJL1317A

2HP,3450RPM,1PH,60HZ,56J,3528L,OPEN,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGW183	CD Diagram:	CD0307	Mfg Plant:	
Mech. Spec:	35T951	Layout:	35LYT951	Poles:	02	Created Date:	06-22-2007
Base:	RG	Eff. Date:	06-08-2018	Leads:	4#14 A&J,1#18 B PH,1#10 #1TH		

Specs			
Catalog Number:	CJL1317A	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	G
Frame:	56J	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 14 AWG, A&J
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Terminal Panel Or Lead Hole
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3528L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	69
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Ext Thread
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:	13.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	26.000 A @ 115.0 V	Shaft Rotation:	Fixed Opposite Standard
Design Code:	L	Shaft Slinger Indicator:	No Slinger
Drip Cover:	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:	Do Not Use Eve-Not Valid
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 NP1257L	
CAT.NO.	CJL1317A
SPEC.	35T951W183G1
HP	2
VOLTS	115/230
AMP	26/13
RPM	3450
FRAME	56J
HZ	60
PH	1
SER.F.	1.20
CODE	G
DES	L
CL	B
NEMA-NOM-EFF	70
PF	69
RATING	40C AMB-CONT
CC	USABLE AT 208V 13
DE	6205
ODE	6203
ENCL	OPEN
SN	
	SFA 27.6/13.8

Parts List		
Part Number	Description	Quantity
SA111037	SA 35T951W183G1	1.000 EA
RA102416	RA 35T951W183G1	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
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 EA
35EP3202A02SP	FR ENDPLATE, MACH	1.000 EA
SP1033A01	INSULATOR MODEL 35 TERM PANEL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3402A00	MASTER DE,205 BRG,OPEN,W/TIGHTSLEEVE	1.000 EA
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 EA
15XF0632A06	6-32 X 3/8 PHILL PAN HD TYPE F	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4500A02	DRIP COVER, STAMPED (W/ PRIMER	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	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

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
WD1000D90	T&B RC2577FM,90 DEG INSUL. FLAG TERMINAL	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
SP5066A01	35 TERM PANEL SWITCH W/E-BLK, 8-RED	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0307	1PH, DV, FIX, W & W/O THERM, TERM PLATE,	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE	1.000 EA
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data
Record # 9776 - Typical performance - not guaranteed values

Winding: 35WGW183-R001	Type: 3528L	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	26/13			Breakdown Torque	10.4 LB-FT
R.P.M.	3450			Pull-up Torque	5.9 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.1 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	79 A
Service Factor (S.F.)	1.2			No-load Current	9.3 A
NEMA Nom. Eff.	70	Power Factor	69	Line-line Res. @ 25°C	0.842 Ω A Ph 0.843 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps	27.6/13.8			Temp. Rise @ S.F. Load	87°C

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	53	65	71	80	84	78
Efficiency	46	60	66	70	68	67.5	68.4
Speed	3569	3547	3523	3498	3469	3436	3475
Line amperes	9.5	10.3	11.4	13	14.7	16.8	13.8

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

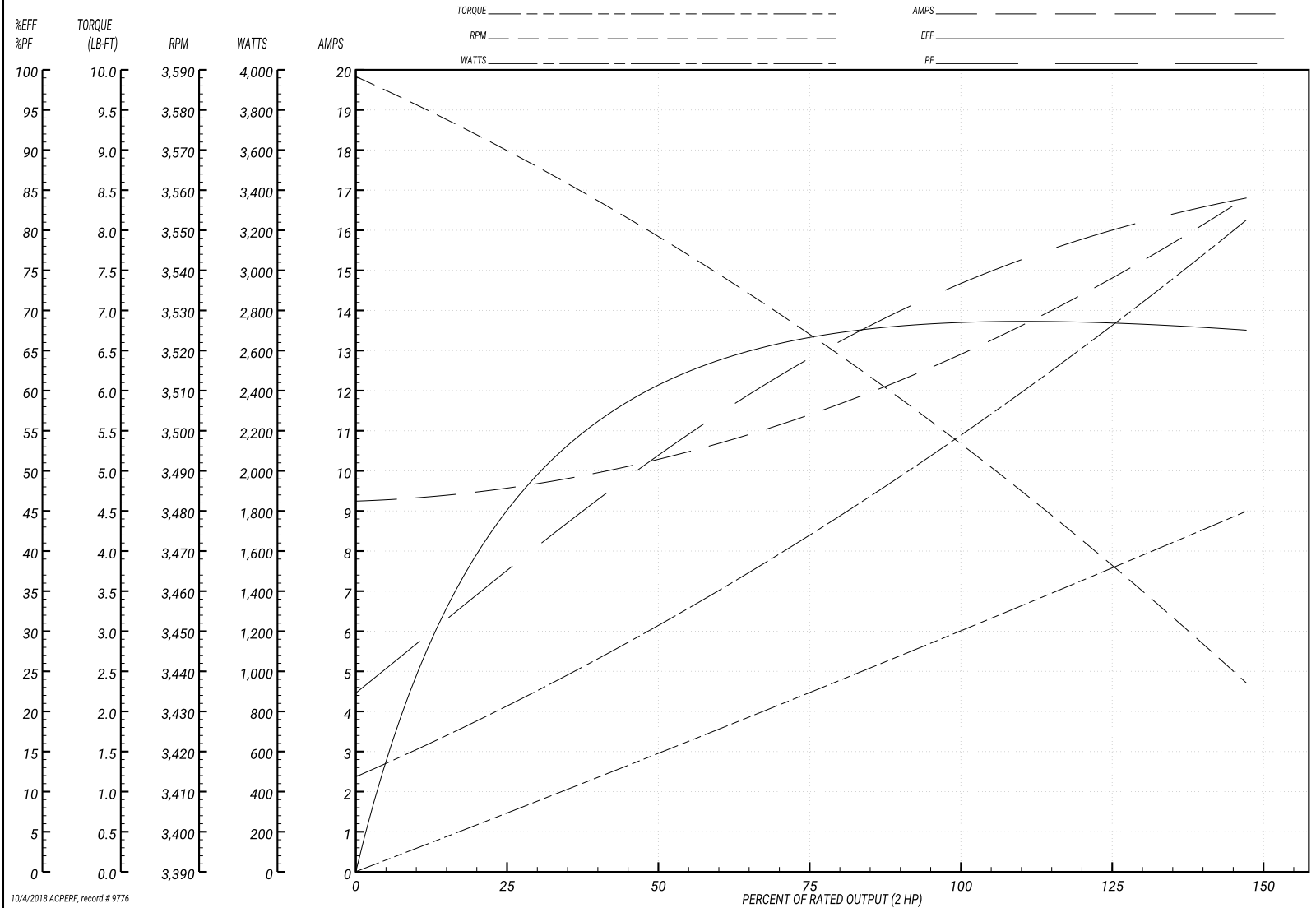
BALDOR ELECTRIC COMPANY

WINDING # 35WGW183

Typical performance - not guaranteed values.

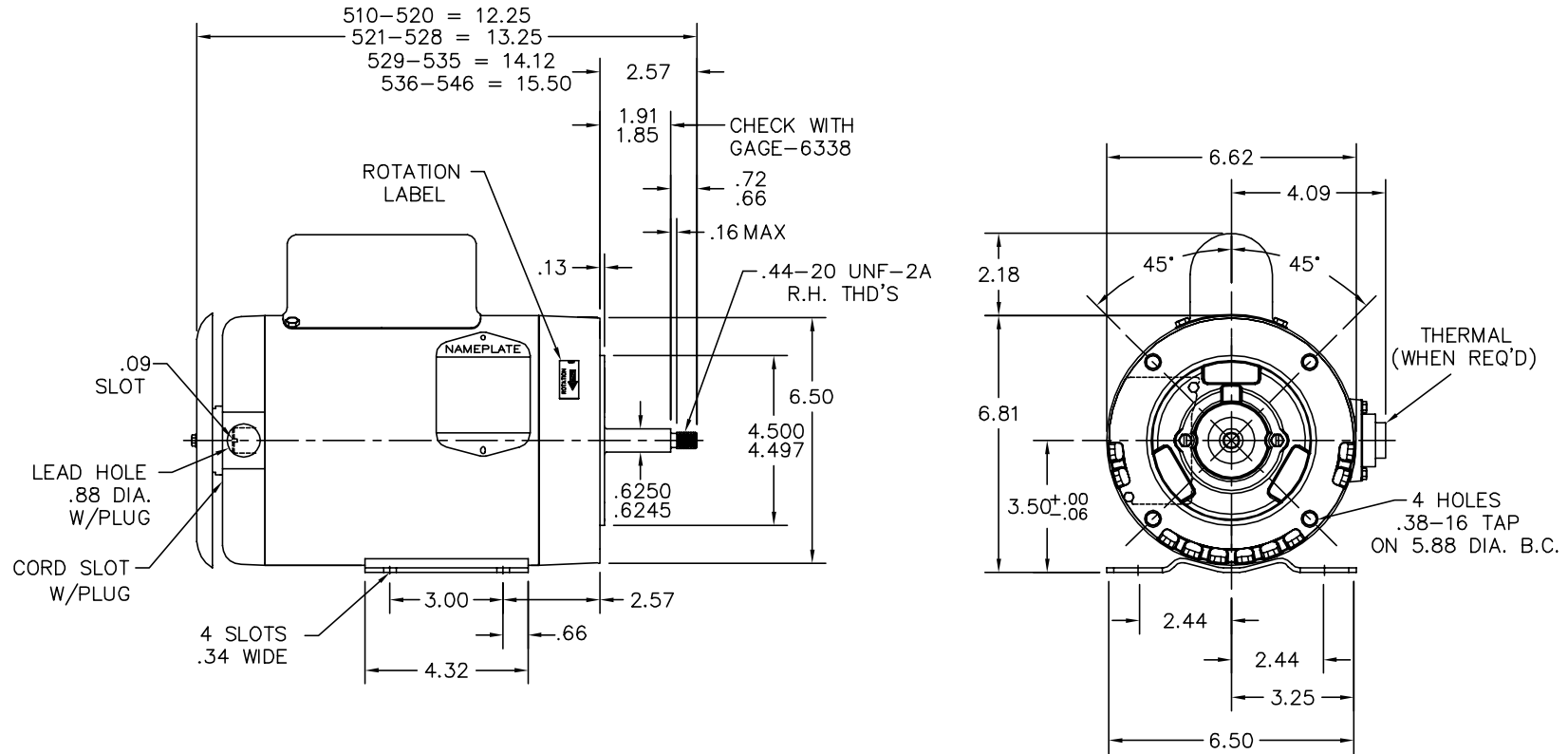
2 HP 1 PH 60 HZ 3450 RPM 230 V 3528L

TORQUES(LB-FT): PO=10.4 PU=5.9 LR=7.1 LRA=79



10/4/2018 ACPERF, record # 9776

35LYT951



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REPLACE ENDPLATES		
REV. LTR: B	VERSION: 02	TDR: 000001041474
FILE: \AAA\00111\267	REVISED: 02:40:06 09/07/2017	BY: USJOBUR22
MTL: -		

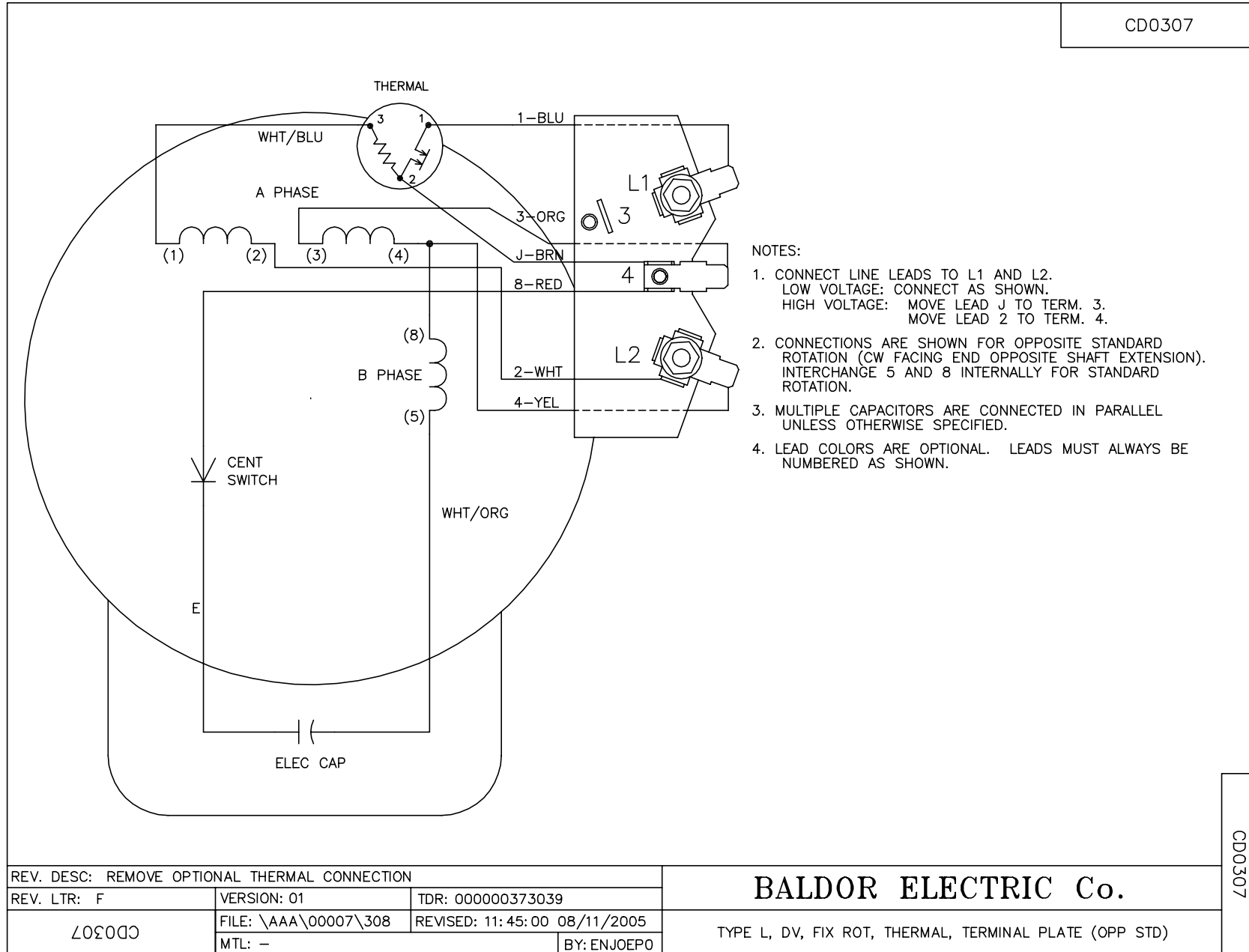
BALDOR

STD FACE MTD HORZ 56J OPEN 35L, 2 POLE "W" BASE (35BA4010)

SH 1 of 1

35LYT951

CD0307



CD0307

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373039
CD0307	FILE: \AAA\00007\308	REVISED: 11: 45: 00 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, FIX ROT, THERMAL, TERMINAL PLATE (OPP STD)