

BALDOR® • RELIANCE™

Customer information packet

RL1310A

1HP, 1725RPM, 1PH, 60HZ, 56H, 3520L, OPEN, F1, N

Class - None

Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.500 A @ 230.0 V 13.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.5 a

Part detail

Revision	E
Type	AC
Mech. spec.	35F391
Base	
Status	PRD/A
Elec. spec.	35WGL468
Layout	35LYF391
Eff. date	11-27-2018
CD Diagram	CD0052
Poles	04
Leads	6#18,1#14 #1TH
Proprietary	False
Created date	12-22-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.42 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	EP

Winding Thermal 2

None

Nameplate

NP1257L									
CAT.NO.	RL1310A								
SPEC.	35F391L468G1								
HP	1								
VOLTS	115/230								
AMP	13/6.5								
RPM	1725								
FRAME	56H		HZ	60		PH	1		
SER.F.	1.15	CODE	F	DES	N	CL	F		
NEMA-NOM-EFF	68	PF	70						
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6203	ODE	6203						
ENCL	OPEN	SN							

AC Induction Motor Performance Data

Record # 61963

Typical performance - not guaranteed values

Winding: 35WGL468-R002		Type: 3520L		Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	1	Full Load Torque	3 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	13/6.5	Breakdown Torque	7.58 LB-FT		
R.P.M.	1725	Pull-up Torque	4.58 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	5.73 LB-FT	
NEMA Design Code	N	KVA Code	F	Starting Current	47.6 A
Service Factor (S.F.)	1.15		No-load Current	10.1 A	
NEMA Nom. Eff.	68	Power Factor	70	Line-line Res. @ 25°C	0.697 Ω A Ph 1.82 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	58°C	
S.F. Amps			Temp. Rise @ S.F. Load	66°C	
			Locked-rotor Power Factor	89	
			Rotor inertia	0.119 LB-FT ²	

Load Characteristics 115 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	51	62	71	77	81	75
Efficiency	46.5	61.2	67.3	69.7	68.6	66.1	69
Speed	1782	1770	1755	1739	1718	1691	1726
Line amperes	10.1	10.6	11.6	13	15	17.6	14.2

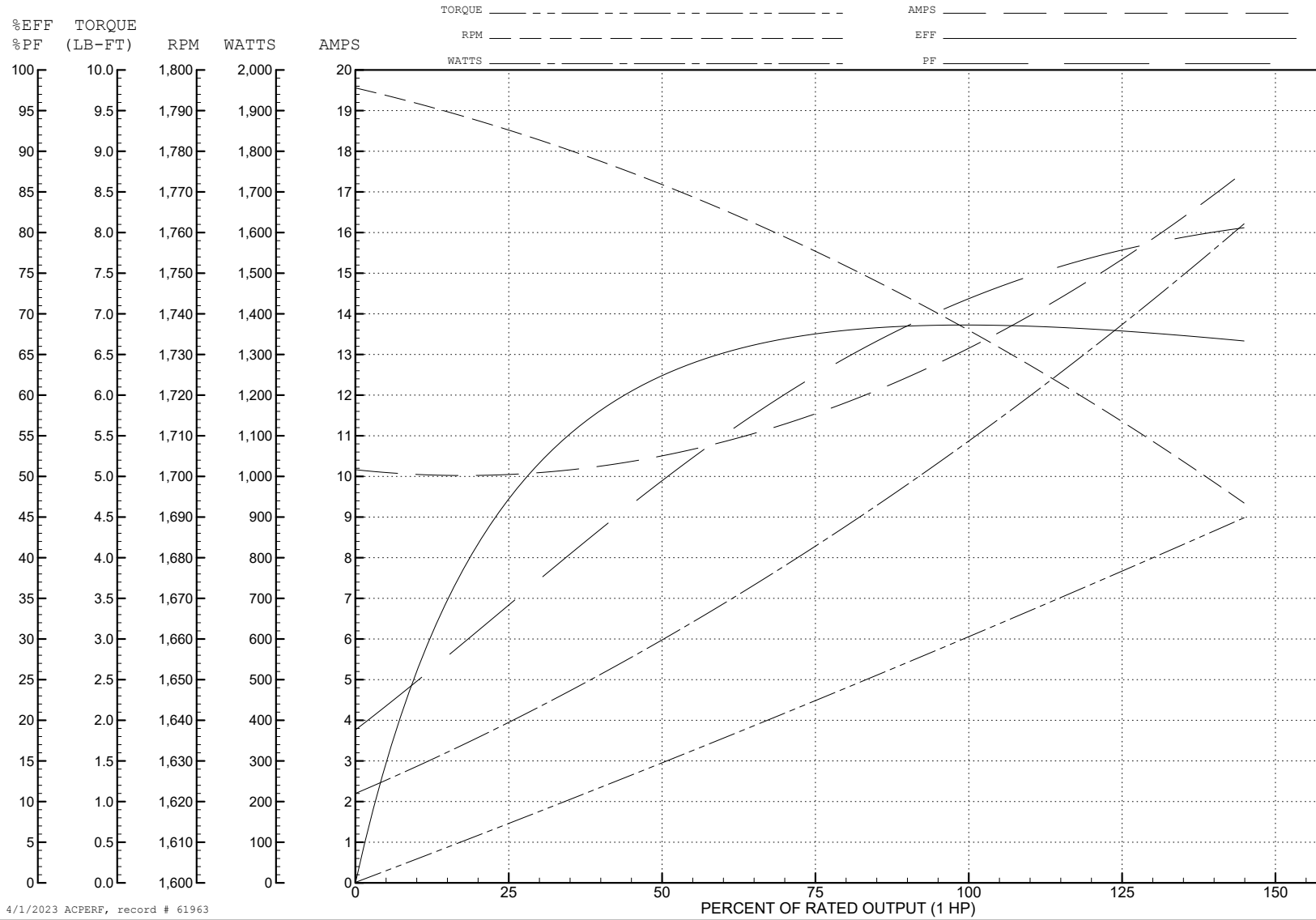
ABB Motors and Mechanical Inc.

WINDING # 35WGL468

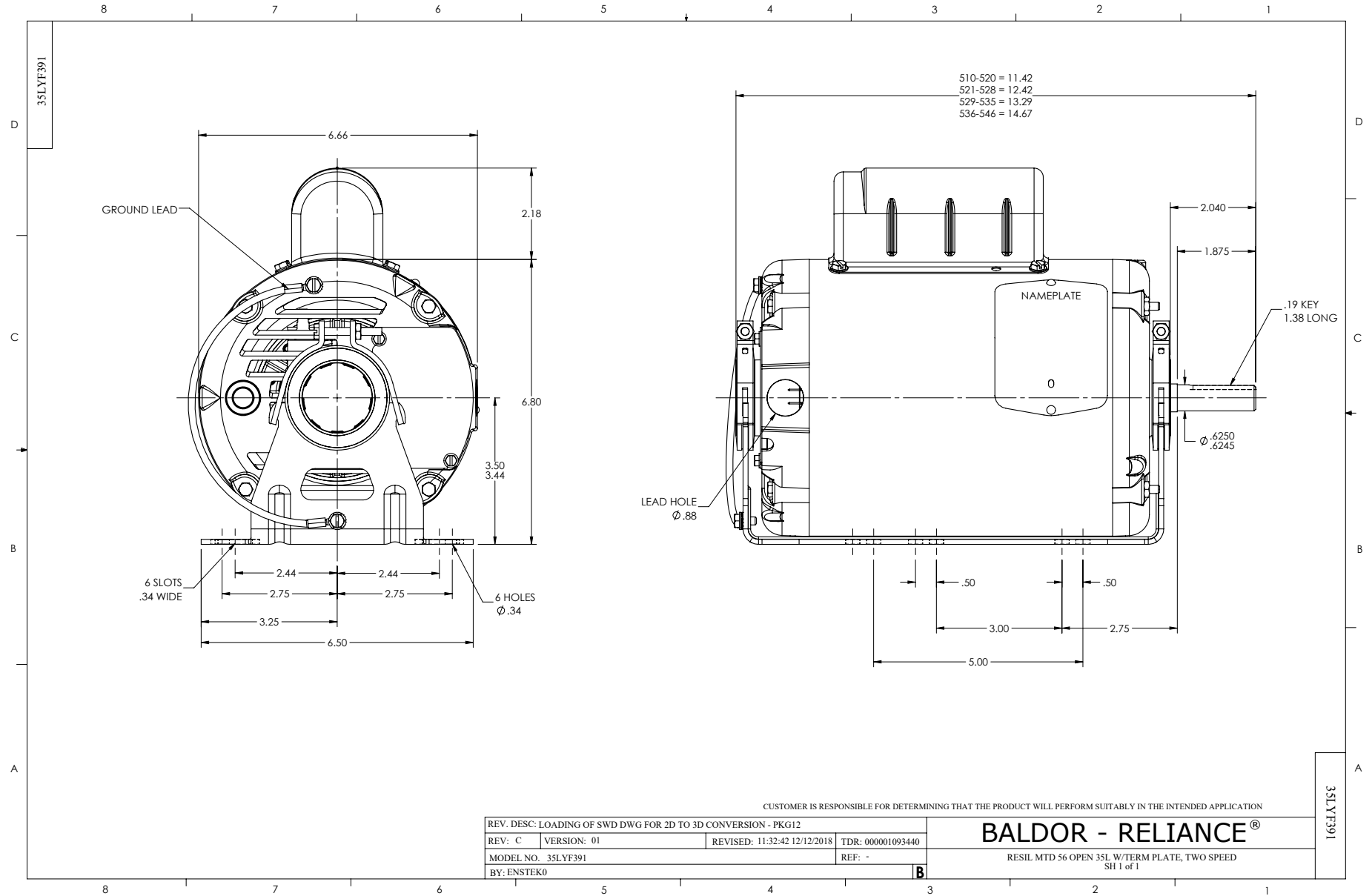
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1725 RPM 115 V 3520L

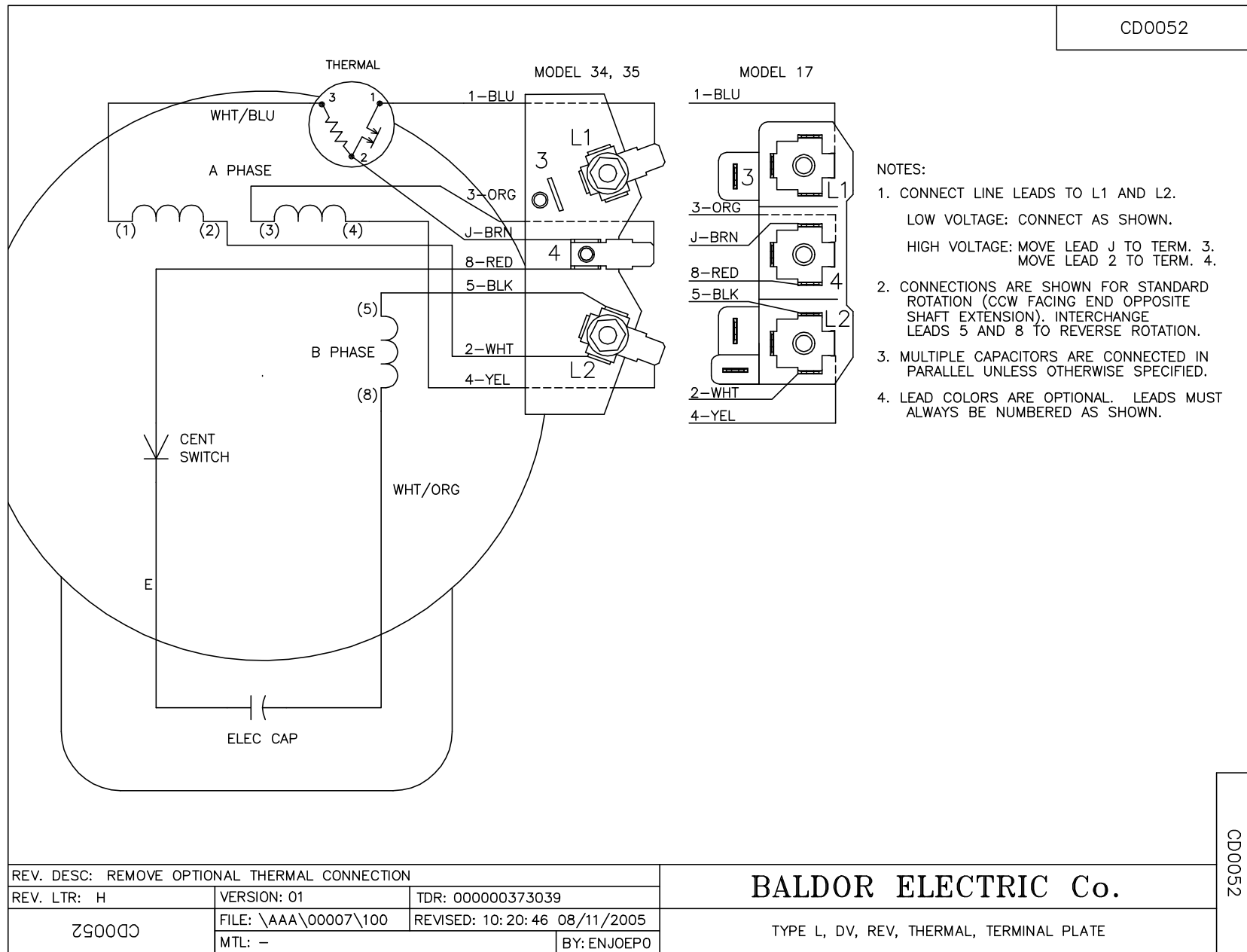
TORQUES (LB-FT): PO=7.58 PU=4.58 LR=5.73 LRA=47.6



4/1/2023 ACPERF, record # 61963



CD0052



REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: H	VERSION: 01	TDR: 000000373039
CD0052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, TERMINAL PLATE

CD0052