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# Customer information packet

## CJL1306A

.75HP, 3450RPM, 1PH, 60HZ, 56J, 3424L, OPEN, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	56J
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.500 A @ 230.0 V 11.000 A @ 115.0 V
Design Code	N
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	69.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.5 a

## Part detail

Revision	AE
Type	AC
Mech. spec.	34F492
Base	
Status	PRD/A
Elec. spec.	34WG2414
Layout	34LYF492
Eff. date	10-25-2024
CD Diagram	CD0307
Poles	02
Leads	5#18,1#14 #1TH
Proprietary	False
Created date	01-01-0001

<b>Insulation Class</b>	B
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Terminal Panel Or Lead Hole
<b>Motor Lead Quantity/Wire Size</b>	5 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3424L
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	13.39 IN
<b>Power Factor</b>	68
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Ext Thread
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.50
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Fixed Opposite Standard
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	3450 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	ES

**Winding Thermal 2**

**None**

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**Nameplate**

NP1257L									
<b>CAT.NO.</b>	CJL1306A								
<b>SPEC.</b>	34F492-2414G1								
<b>HP</b>	.75								
<b>VOLTS</b>	115/230								
<b>AMP</b>	11/5.5								
<b>RPM</b>	3450								
<b>FRAME</b>	56J			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.50	<b>CODE</b>	J	<b>DES</b>	N	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	69	<b>PF</b>	68						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	OPEN	<b>SN</b>							
	SFA 13/6.5								

**AC Induction Motor Performance Data**

Record # 6649

Typical performance - not guaranteed values

<b>Winding:</b> 34WG2414-R001		<b>Type:</b> 3424L		<b>Enclosure:</b> OPEN	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	.75		<b>Full Load Torque</b>	1.15 LB-FT	
<b>Volts</b>	115/230		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	11/5.5		<b>Breakdown Torque</b>	3.98 LB-FT	
<b>R.P.M.</b>	3450		<b>Pull-up Torque</b>	1.63 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	1	<b>Locked-rotor Torque</b>	2.45 LB-FT	
<b>NEMA Design Code</b>	<b>N KVA Code</b>	J	<b>Starting Current</b>	31.2 A	
<b>Service Factor (S.F.)</b>	1.5		<b>No-load Current</b>	3.7 A	
<b>NEMA Nom. Eff.</b>	<b>69 Power Factor</b>	68	<b>Line-line Res. @ 25°C</b>	2.33 Ω A Ph 1.65 Ω B Ph	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	75°C	
<b>S.F. Amps</b>	13/6.5		<b>Temp. Rise @ S.F. Load</b>	108°C	

**Load Characteristics 230 V, 60 Hz, 0.75 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	39	52	64	73	79	83	85
<b>Efficiency</b>	41.7	57.6	65.5	69.2	69.8	69.3	70.4
<b>Speed</b>	3558	3536	3508	3479	3447	3410	3415
<b>Line amperes</b>	3.78	4	4.4	4.91	5.61	6.37	6.31

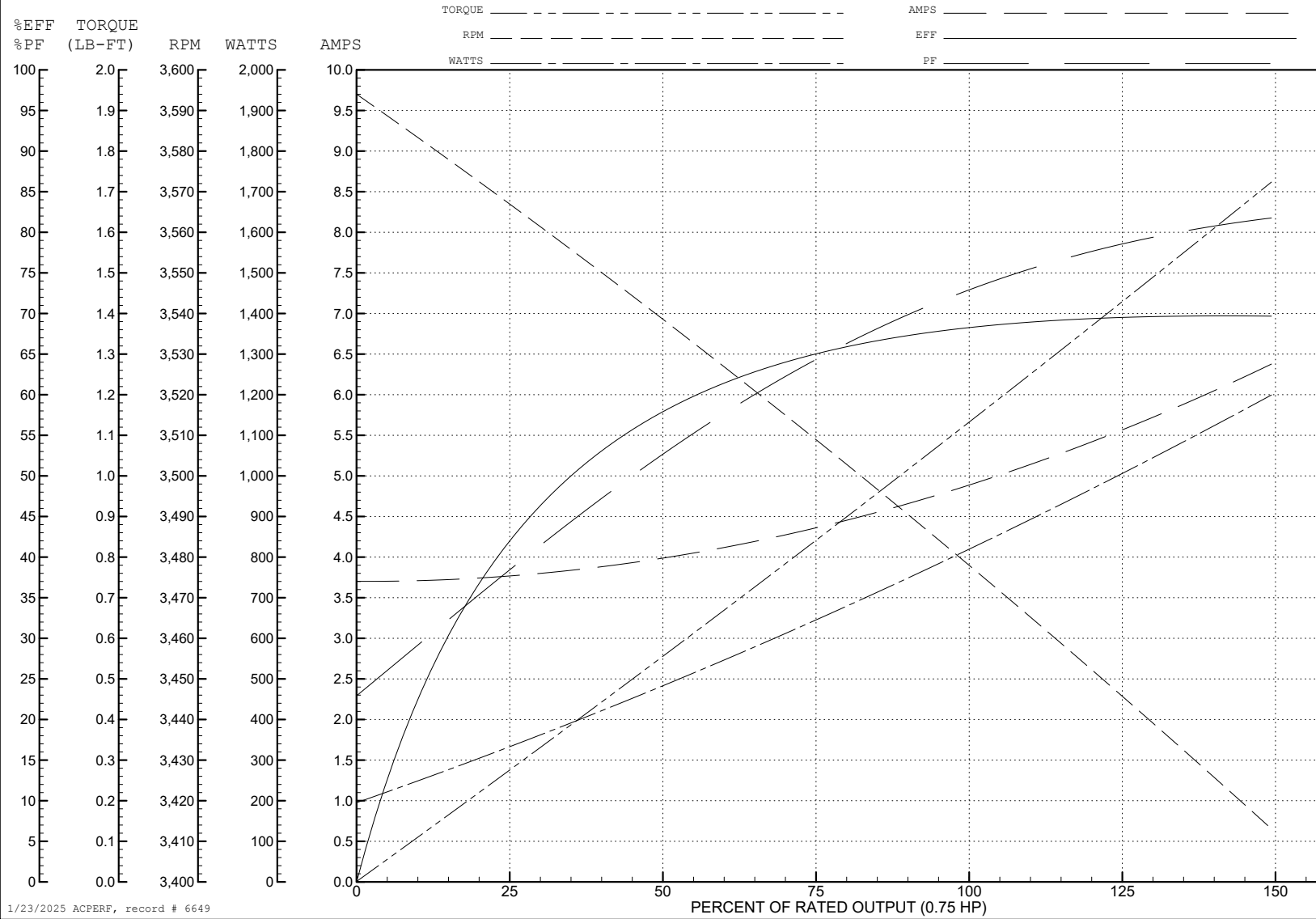
ABB Motors and Mechanical Inc.

WINDING # 34WG2414

0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3424L

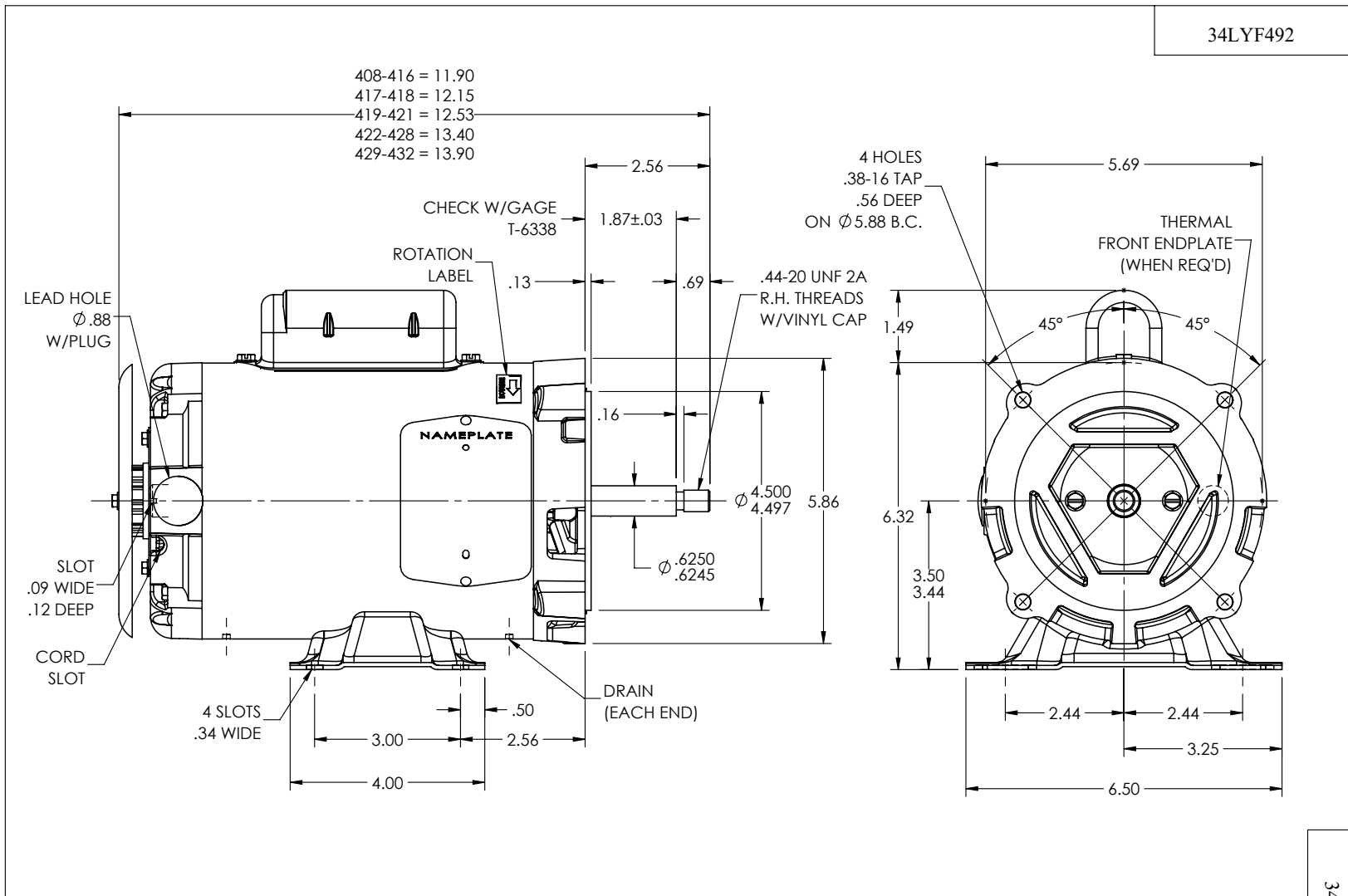
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=3.98 PU=1.63 LR=2.45 LRA=31.2



1/23/2025 ACPERF, record # 6649

34LYF492



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV A			
REV: B	VERSION: 02	REVISED: 11:38:57 12/29/2022	TDR: 000001201165
34LYF492	MODEL NO. 34LYF492		REF: -
	BY: ENFRAJ0		

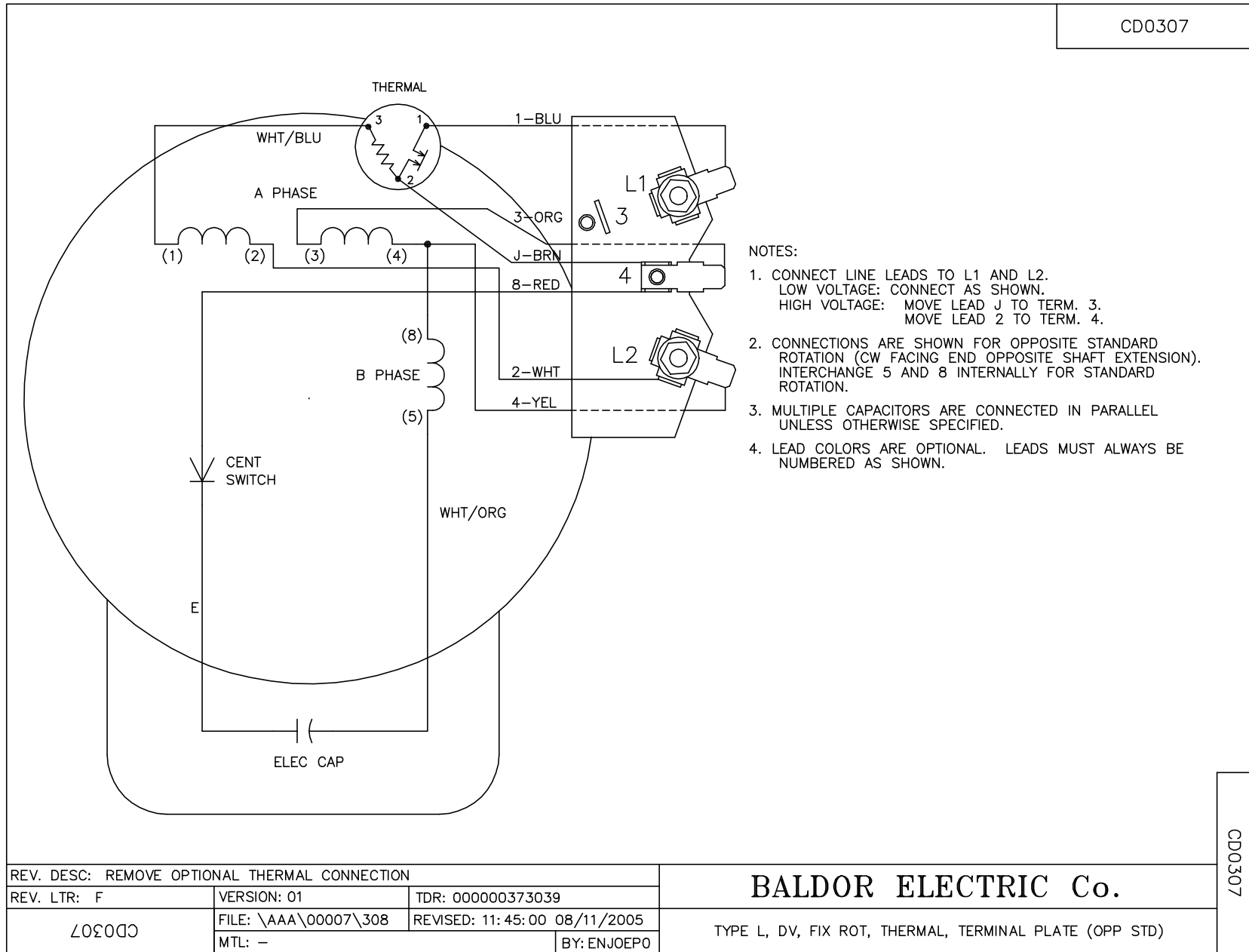
**BALDOR - RELIANCE®**

SPL HORZ 34L NEMA 56J OPEN W/DRIPCOVER, THERM IN T.P. EP

34LYF492



CD0307



REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373039
∟0307	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)

CD0307