

**BALDOR® • RELIANCE™**

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# Customer information packet

## EL11319M

1.5HP, 1755RPM, 1PH, 60HZ, 56H, 3540LC, OPEN, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	12.600 A @ 115.0 V 6.300 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	83.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.3 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	D
Type	AC
Mech. spec.	35E007
Base	
Status	PRD/A
Elec. spec.	35W GK254
Layout	35LYE007
Eff. date	01-08-2025
CD Diagram	CD0320
Poles	04
Leads	4#16 A&J,2#18 B PH,1#14 #4TH
Proprietary	False
Created date	02-12-2024

<b>KVA Code</b>	K
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	4 @ 16 AWG, A&J
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3540LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	14.00 IN
<b>Power Factor</b>	91
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1755 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>	Manual Thermal Overload
<b>Winding Thermal 1 Location</b>	SB
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP3273L</b>									
<b>CAT.NO.</b>	EL11319M								
<b>SPEC.</b>	35E007K254G1								
<b>HP</b>	1.5								
<b>VOLTS</b>	115/230								
<b>AMP</b>	12.6/6.3								
<b>RPM</b>	1755								
<b>FRAME</b>	56H		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES</b>	L	<b>CL</b>	F		
<b>F.L. AVG. EFF.</b>	83.8	<b>PF</b>	91						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	OPEN	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 109835

Typical performance - not guaranteed values

<b>Winding:</b> 35WGK254-R001		<b>Type:</b> 3540LC		<b>Enclosure:</b> OPEN	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
<b>Rated Output (HP)</b>	1.5	<b>Full Load Torque</b>	4.49 LB-FT		
<b>Volts</b>	115/230	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	12.6/6.3	<b>Breakdown Torque</b>	12.5 LB-FT		
<b>R.P.M.</b>	1755	<b>Pull-up Torque</b>	8.9 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	1	<b>Locked-rotor Torque</b>	13.7 LB-FT	
<b>NEMA Design Code</b>	L <b>KVA Code</b>	K	<b>Starting Current</b>	107 A	
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	4.43 A	
<b>NEMA Nom. Eff.</b>	83.8 <b>Power Factor</b>	91	<b>Line-line Res. @ 25°C</b>	0.462 Ω A Ph 1.51 Ω B Ph	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	32°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	39°C	
			<b>Locked-rotor Power Factor</b>	88.9	
			<b>Rotor inertia</b>	0.289 lb-ft <sup>2</sup>	

**Load Characteristics 115 V, 60 Hz, 1.5 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>	66	81	88	91	93	94	92
<b>Efficiency</b>	68.8	80.8	84.3	84.2	83.6	81.1	84
<b>Speed</b>	1788	1778	1768	1756	1742	1725	1748
<b>Line amperes</b>	5.42	7.5	9.86	12.59	15.71	19.23	14.5

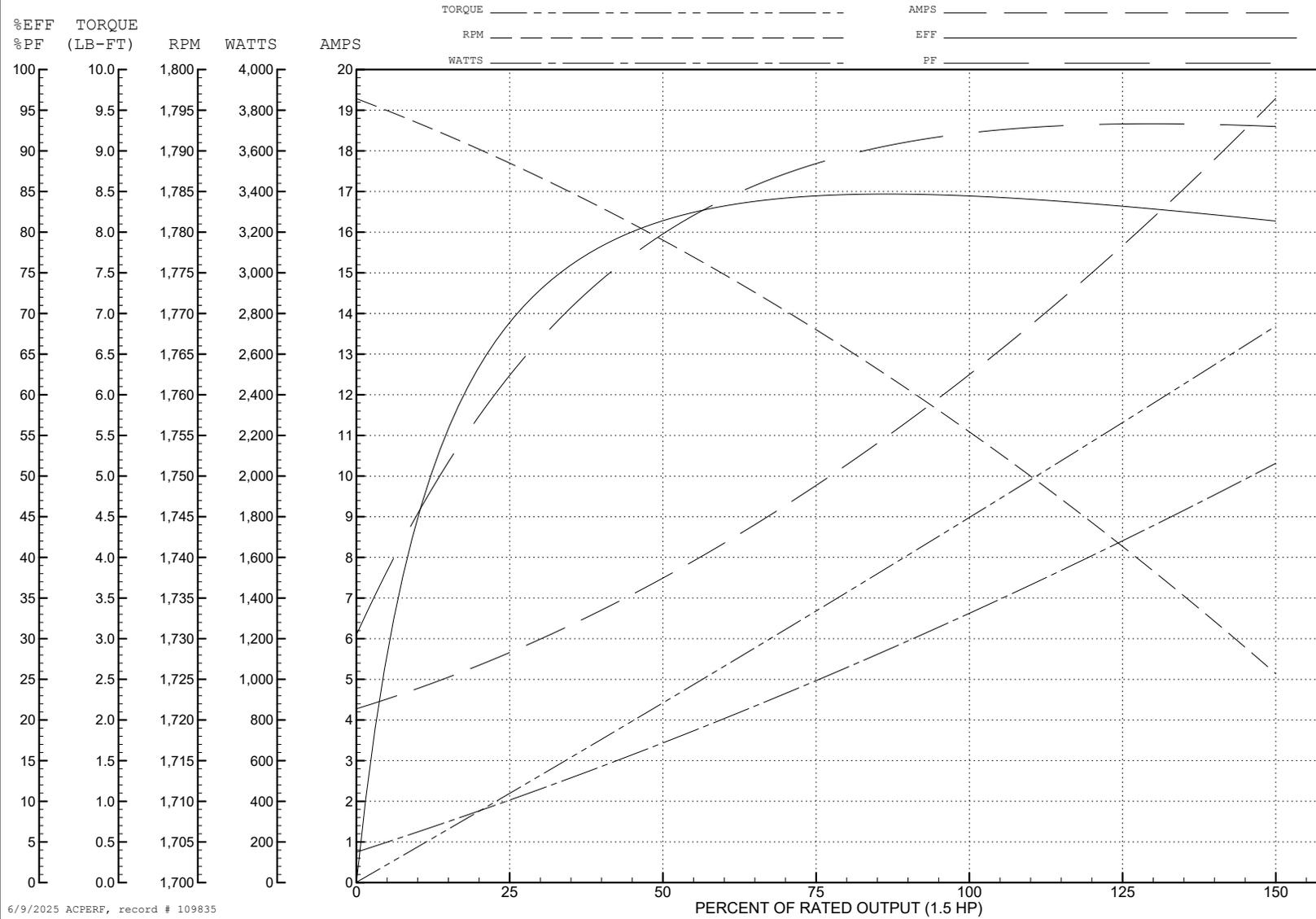
ABB Motors and Mechanical Inc.

WINDING # 35WGK254

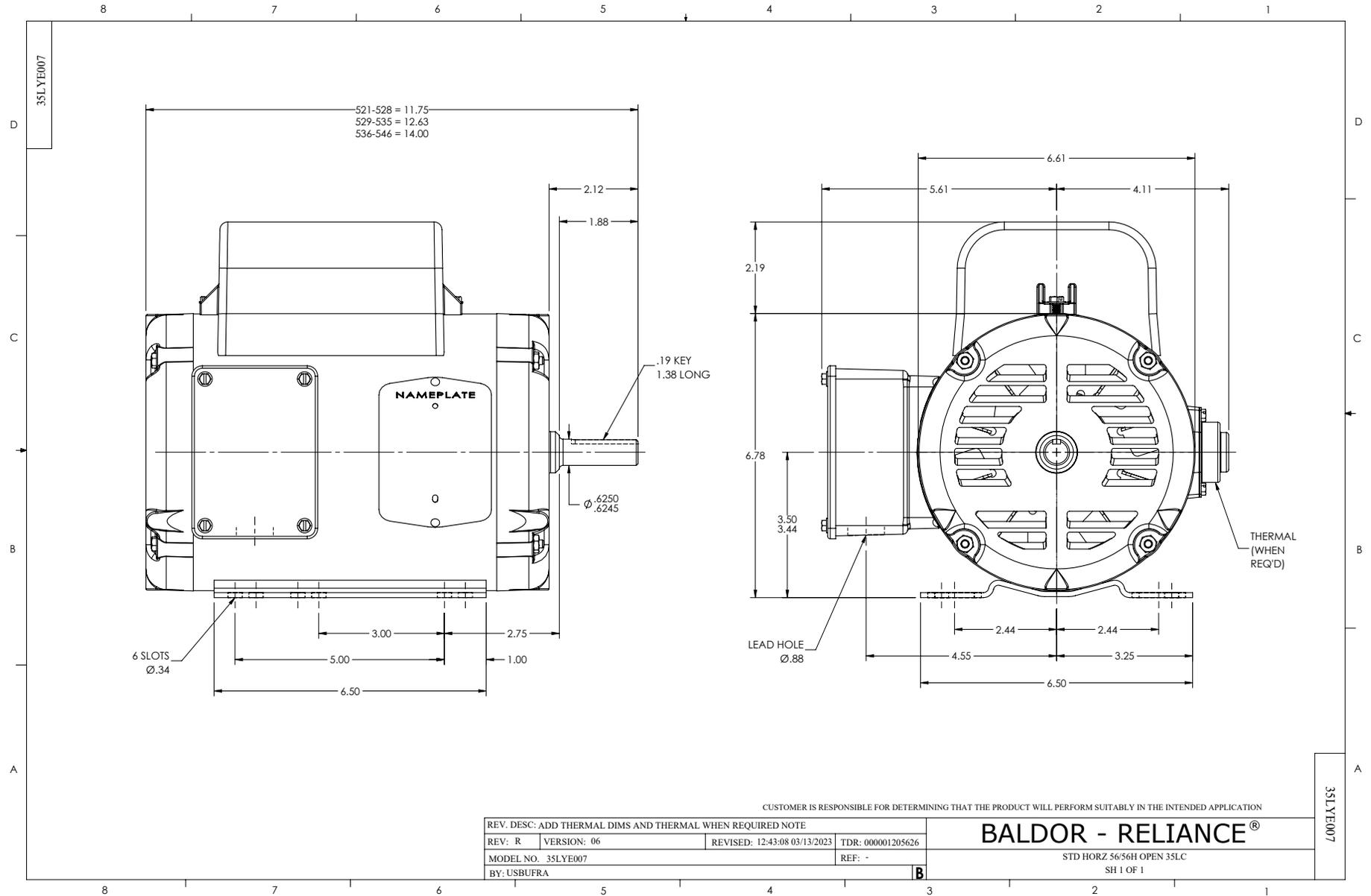
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1755 RPM 115 V 3540LC

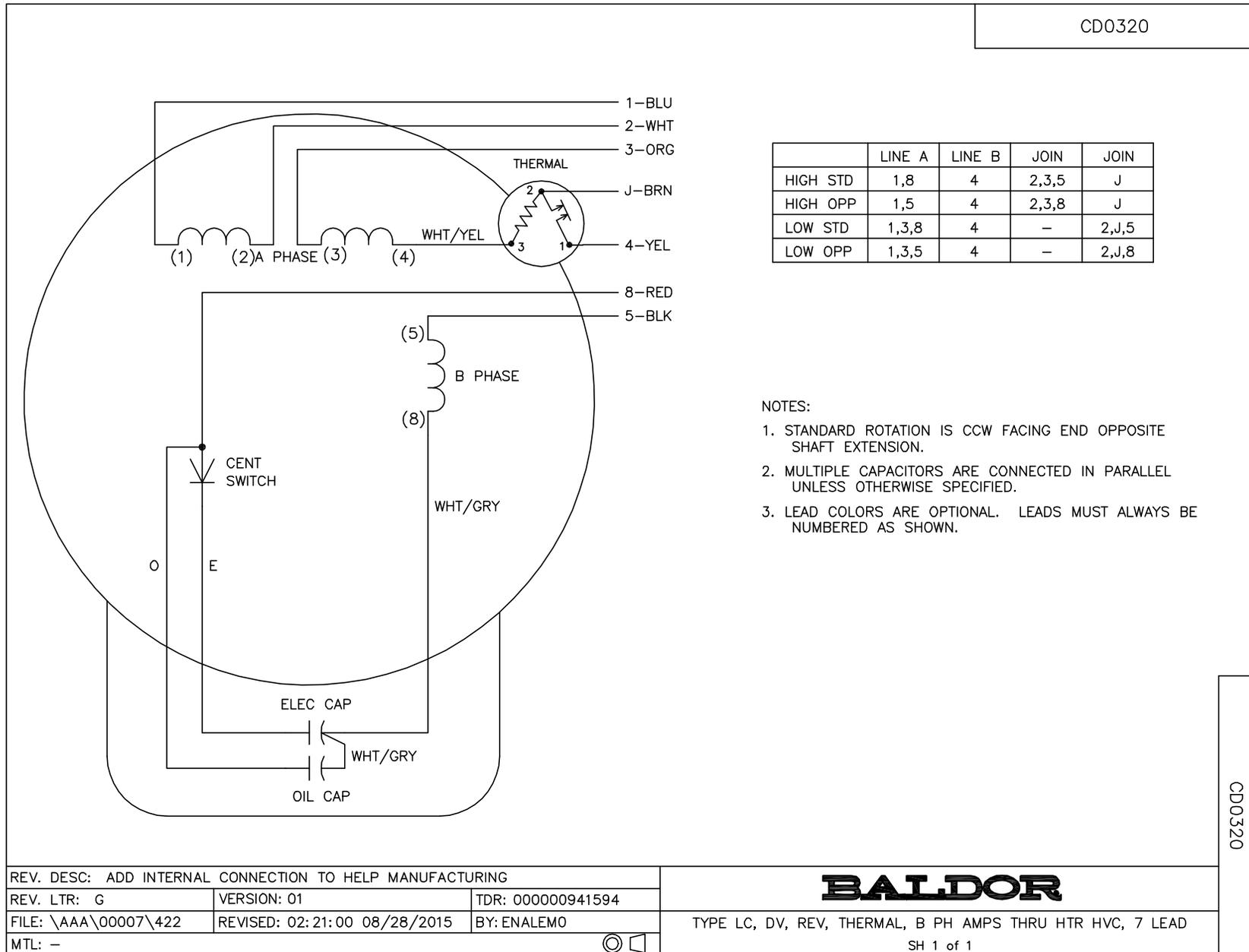
TORQUES (LB-FT): PO=12.5 PU=8.9 LR=13.7 LRA=107



6/9/2025 ACPERF, record # 109835



CD0320



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

**NOTES:**

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 00000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: -		

**BALDOR**

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD  
SH 1 of 1