

# ABB BALDOR RELIANCE III

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## Customer information packet

PCL3513M

1.5HP, 3450RPM, 1PH, 60HZ, 56C, 3520LC, TEFC

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	56C
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Cap Start, Cap Run
<b>Output @ Frequency</b>	1.500 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	3600 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	115.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	UR CSA
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	13.200 A @ 115.0 V 6.600 A @ 230.0 V
<b>Design Code</b>	L
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	75.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	6.6 a

**Part Detail**

<b>Revision</b>	AC
<b>Type</b>	AC
<b>Mech. spec.</b>	35T982
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGY862
<b>Layout</b>	35LYT982
<b>Eff. date</b>	05-07-2024
<b>CD Diagram</b>	CD0320
<b>Poles</b>	02
<b>Leads</b>	4#16 A&J,2#18 B PH,1#14 #4TH
<b>Proprietary</b>	False
<b>Created date</b>	06-22-2007

<b>Insulation Class</b>	<b>B</b>
<b>Inverter Code</b>	<b>Not Inverter</b>
<b>KVA Code</b>	<b>F</b>
<b>Lifting Lugs</b>	<b>No Lifting Lugs</b>
<b>Locked Bearing Indicator</b>	<b>Locked Bearing</b>
<b>Motor Lead Exit</b>	<b>Ko Box</b>
<b>Motor Lead Quantity/Wire Size</b>	<b>4 @ 16 AWG, A&amp;J</b>
<b>Motor Lead Termination</b>	<b>Flying Leads</b>
<b>Motor Standards</b>	<b>NEMA</b>
<b>Motor Type</b>	<b>3520LC</b>
<b>Mounting Arrangement</b>	<b>F1</b>
<b>Number of Poles</b>	<b>2</b>
<b>Overall Length</b>	<b>13.25 IN</b>
<b>Power Factor</b>	<b>98</b>
<b>Product Family</b>	<b>General Purpose</b>
<b>Pulley End Bearing Type</b>	<b>Ball</b>
<b>Pulley Face Code</b>	<b>C-Face</b>
<b>Pulley Shaft Indicator</b>	<b>Standard</b>
<b>Rodent Screen</b>	<b>None</b>
<b>Service Factor</b>	<b>1.15</b>
<b>Shaft Diameter</b>	<b>0.625 IN</b>
<b>Shaft Extension Location</b>	<b>Pulley End</b>
<b>Shaft Ground Indicator</b>	<b>No Shaft Grounding</b>
<b>Shaft Rotation</b>	<b>Reversible</b>
<b>Shaft Slinger Indicator</b>	<b>No Slinger</b>
<b>Speed</b>	<b>3450 rpm</b>
<b>Speed Code</b>	<b>Single Speed</b>
<b>Starting Method</b>	<b>Direct on line</b>
<b>Thermal Device - Bearing</b>	<b>None</b>
<b>Thermal Device - Winding</b>	<b>Do Not Use</b>
<b>Vibration Sensor Indicator</b>	<b>No Vibration Sensor</b>
<b>Winding Thermal 1</b>	<b>Manual Thermal Overload</b>
<b>Winding Thermal 1 Location</b>	<b>KO</b>
<b>Winding Thermal 2</b>	<b>None</b>

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	PCL3513M								
<b>SPEC.</b>	35T982Y862								
<b>HP</b>	1.5								
<b>VOLTS</b>	115/230								
<b>AMP</b>	13.2/6.6								
<b>RPM</b>	3450								
<b>FRAME</b>	56C		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	F	<b>DES</b>	L	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	75.5	<b>PF</b>	98						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							

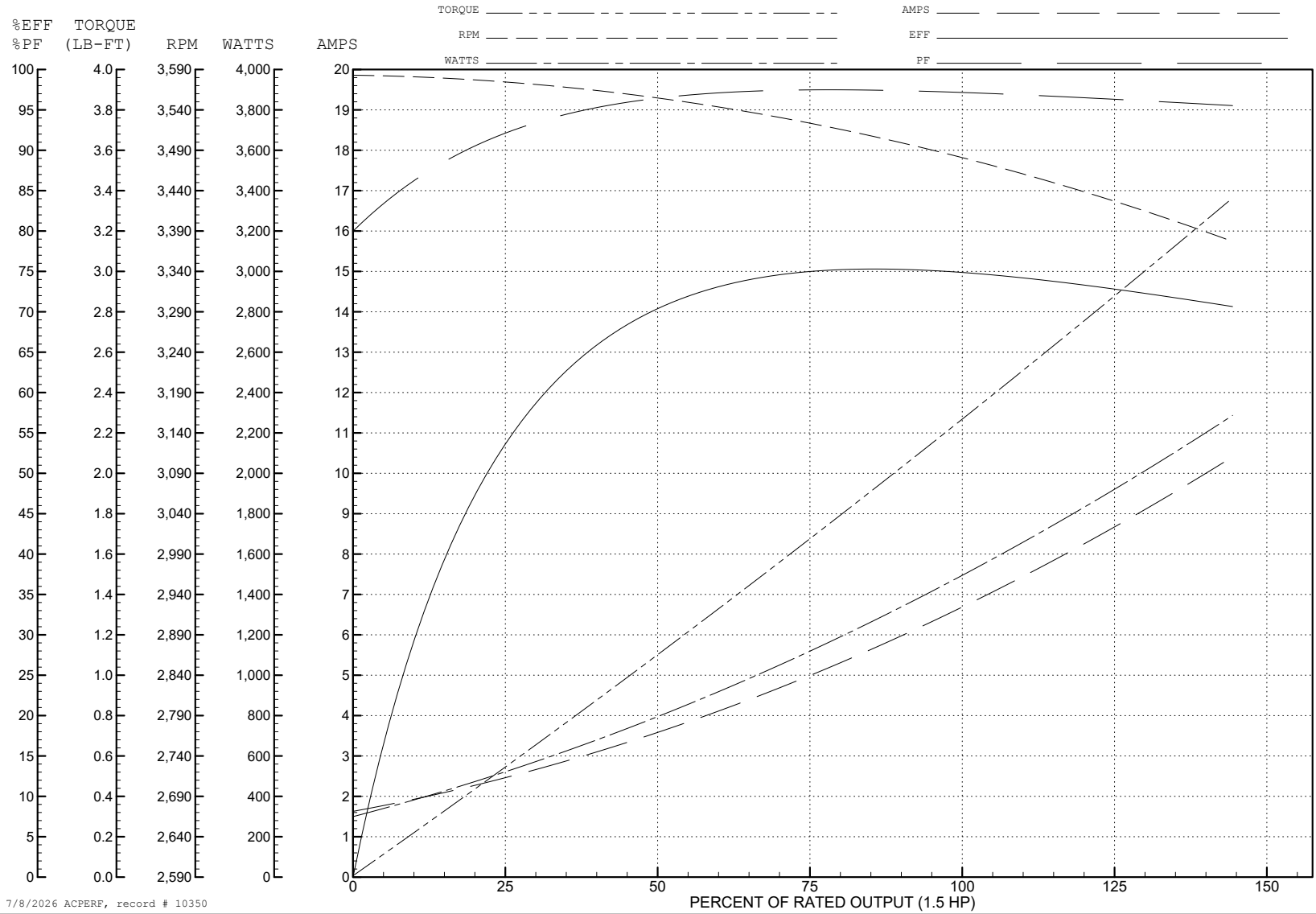
ABB Motors and Mechanical Inc.

WINDING # 35WGY862

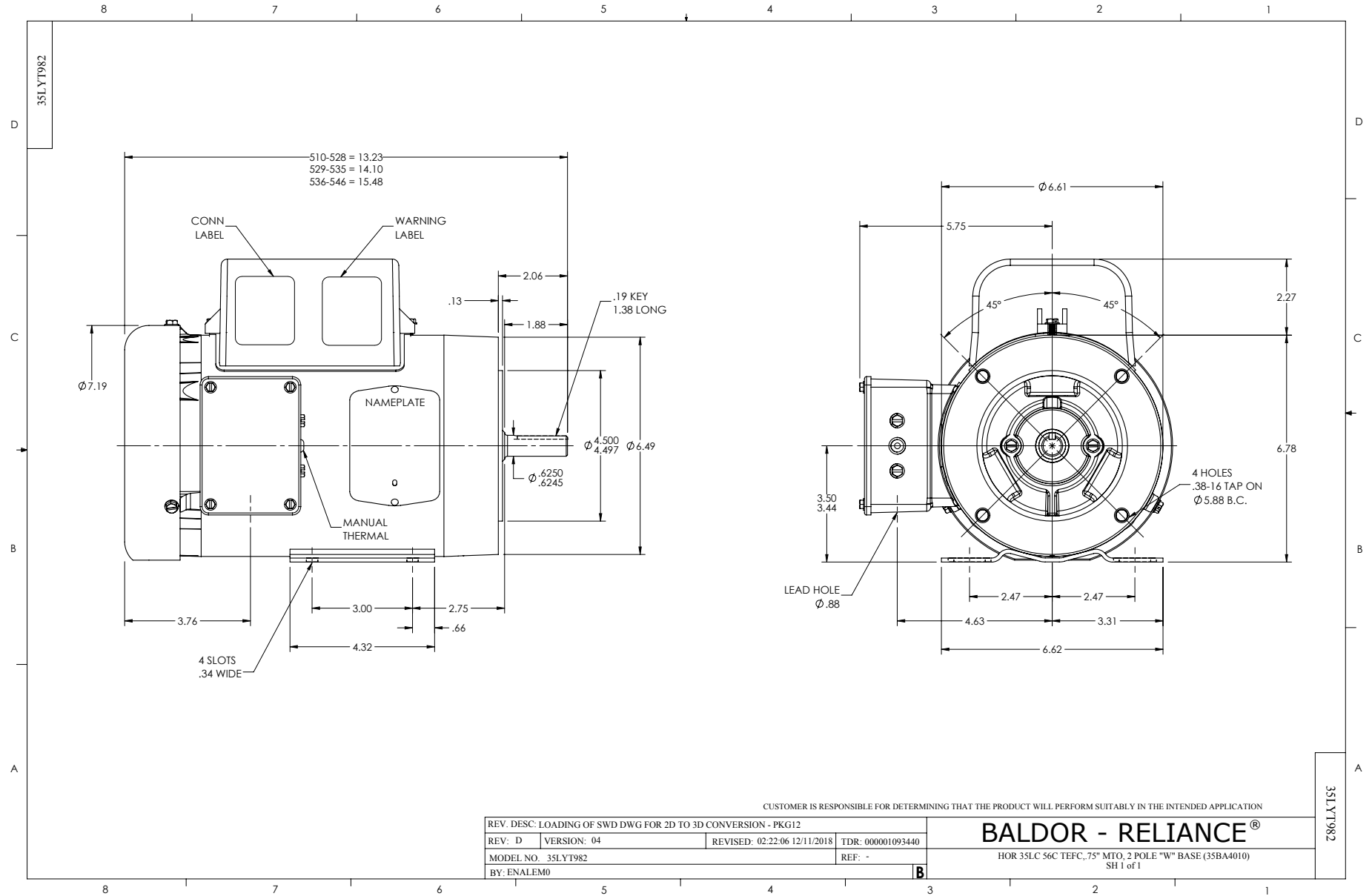
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3450 RPM 230 V 3520LC

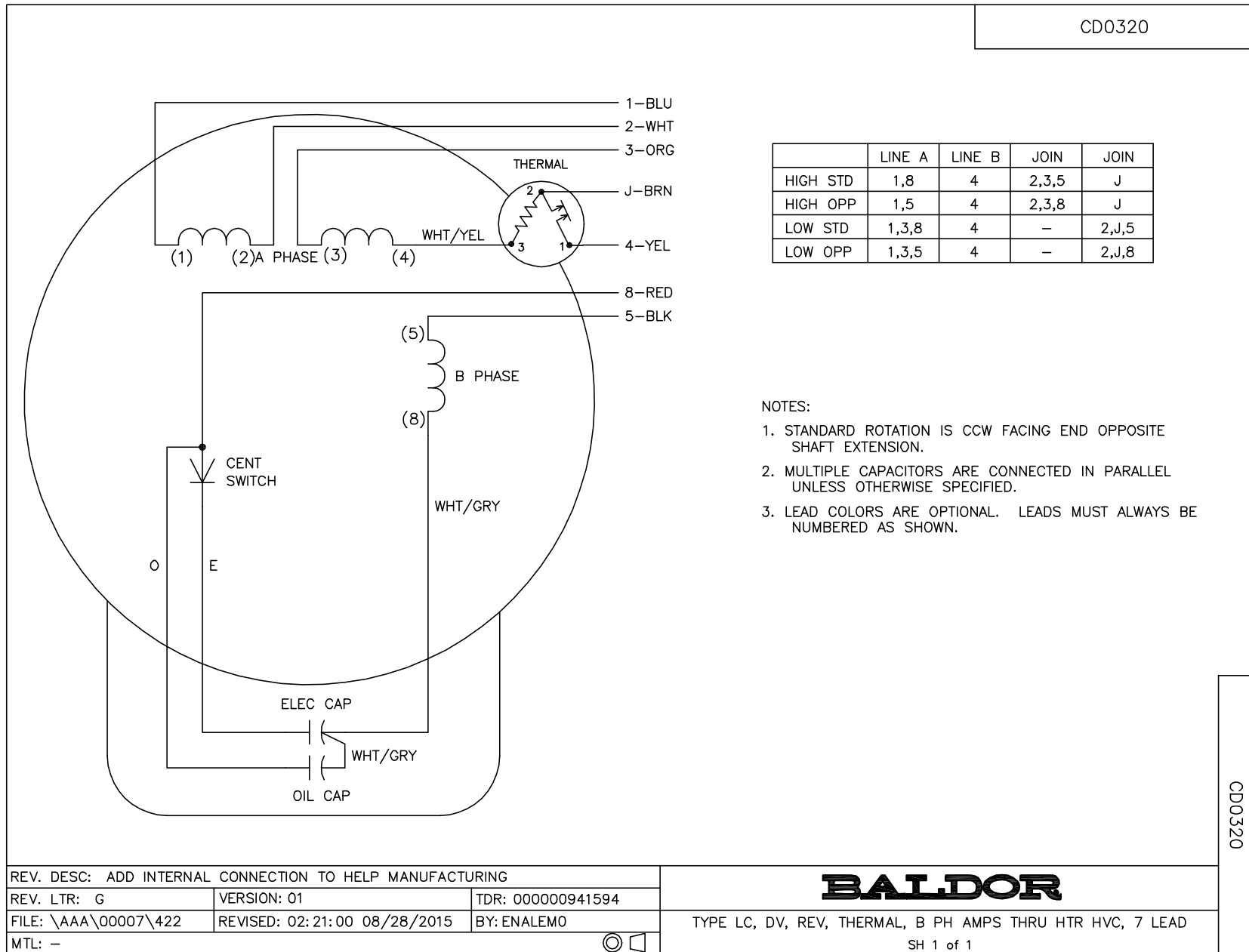
TORQUES (LB-FT): PO=4.63 PU=3.25 LR=4.25 LRA=34.7



7/8/2026 ACPERF, record # 10350



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