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# Customer information packet

## EL11304A

.5HP, 1725RPM, 1PH, 60HZ, 56, 3424LC, OPEN, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	56
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	.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	2.300 A @ 230.0 V 2.500 A @ 208.0 V 4.600 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.3 a
Insulation Class	F

## Part detail

Revision	C
Type	AC
Mech. spec.	34F353
Base	
Status	PRD/A
Elec. spec.	34WGR584
Layout	34LYF353
Eff. date	06-08-2023
CD Diagram	CD0320
Poles	04
Leads	7#18
Proprietary	False
Created date	11-08-2018

<b>Inverter Code</b>	Not Inverter
<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>	7 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3424LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	11.00 IN
<b>Power Factor</b>	94
<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>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.25
<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>	1725 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>	SB
<b>Winding Thermal 2</b>	None

**Nameplate**

NP3273L									
<b>CAT.NO.</b>	EL11304A								
<b>SPEC.</b>	34F353R584G2								
<b>HP</b>	.5								
<b>VOLTS</b>	115/230								
<b>AMP</b>	4.6/2.3								
<b>RPM</b>	1725								
<b>FRAME</b>	56	<b>HZ</b>	60	<b>PH</b>	1				
<b>SER.F.</b>	1.25	<b>CODE</b>	K	<b>DES</b>	N	<b>CL</b>	F		
<b>F.L. AVG. EFF.</b>	76.2	<b>PF</b>	94						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>								<b>USABLE AT 208V</b>	N/A
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	OPEN	<b>SN</b>							
SFA 5.9/2.95									

**AC Induction Motor Performance Data**

Record # 73454

Typical performance - not guaranteed values

Winding: 34WGR584-R002		Type: 3424LC		Enclosure: OPEN	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	.5	Full Load Torque	1.51 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	4.6/2.3	Breakdown Torque	4.01 LB-FT		
R.P.M.	1725	Pull-up Torque	3.75 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	6.42 LB-FT	
NEMA Design Code	N	KVA Code	K	Starting Current	31.9 A
Service Factor (S.F.)	1.25	No-load Current	1.06 A		
NEMA Nom. Eff.	76.2	Power Factor	94	Line-line Res. @ 25°C	1.59 Ω A Ph 2.09 Ω B Ph
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load 37°C		
S.F. Amps	5.9/2.95	Temp. Rise @ S.F. Load 49°C			Locked-rotor Power Factor 99.7
			Rotor inertia 0.057 lb-ft <sup>2</sup>		

**Load Characteristics 115 V, 60 Hz, 0.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	89	94	95	96	95	94	95
Efficiency	60	72.9	76.7	76.5	73.2	67.2	73.2
Speed	1783	1768	1749	1727	1694	1648	1694
Line amperes	1.56	2.34	3.34	4.6	5.8	7.69	5.8

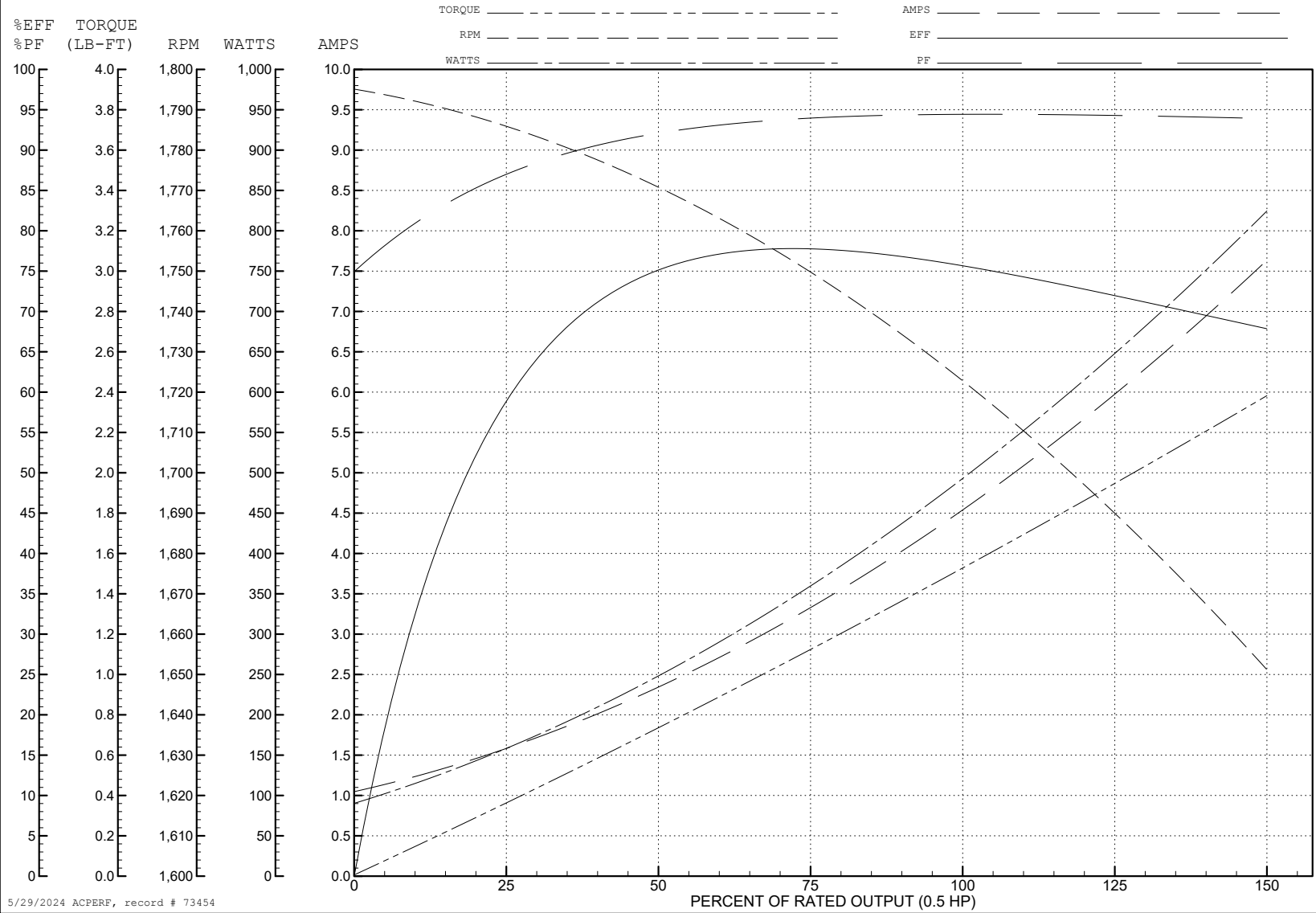
ABB Motors and Mechanical Inc.

WINDING # 34WGR584

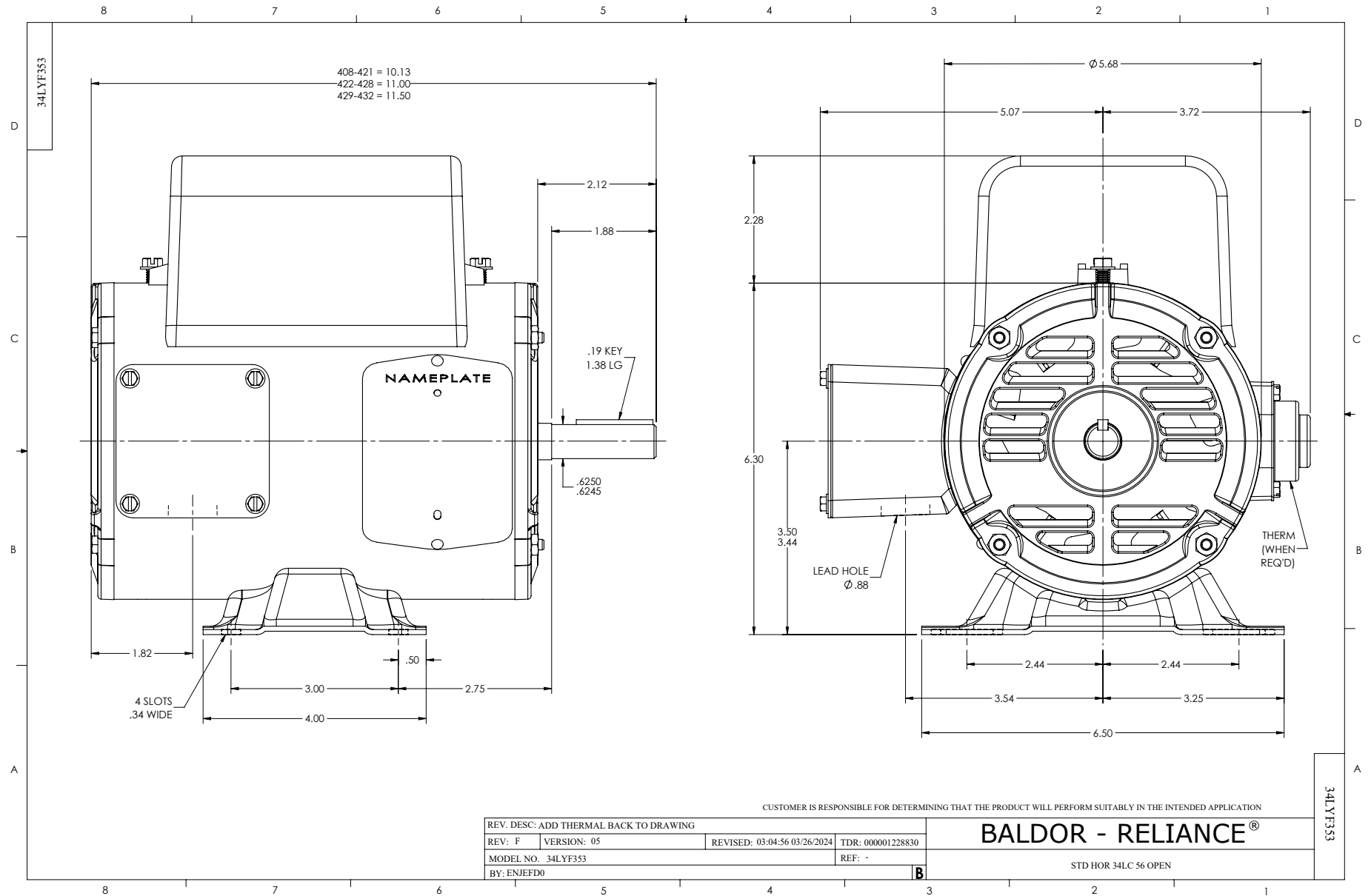
Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 1725 RPM 115 V 3424LC

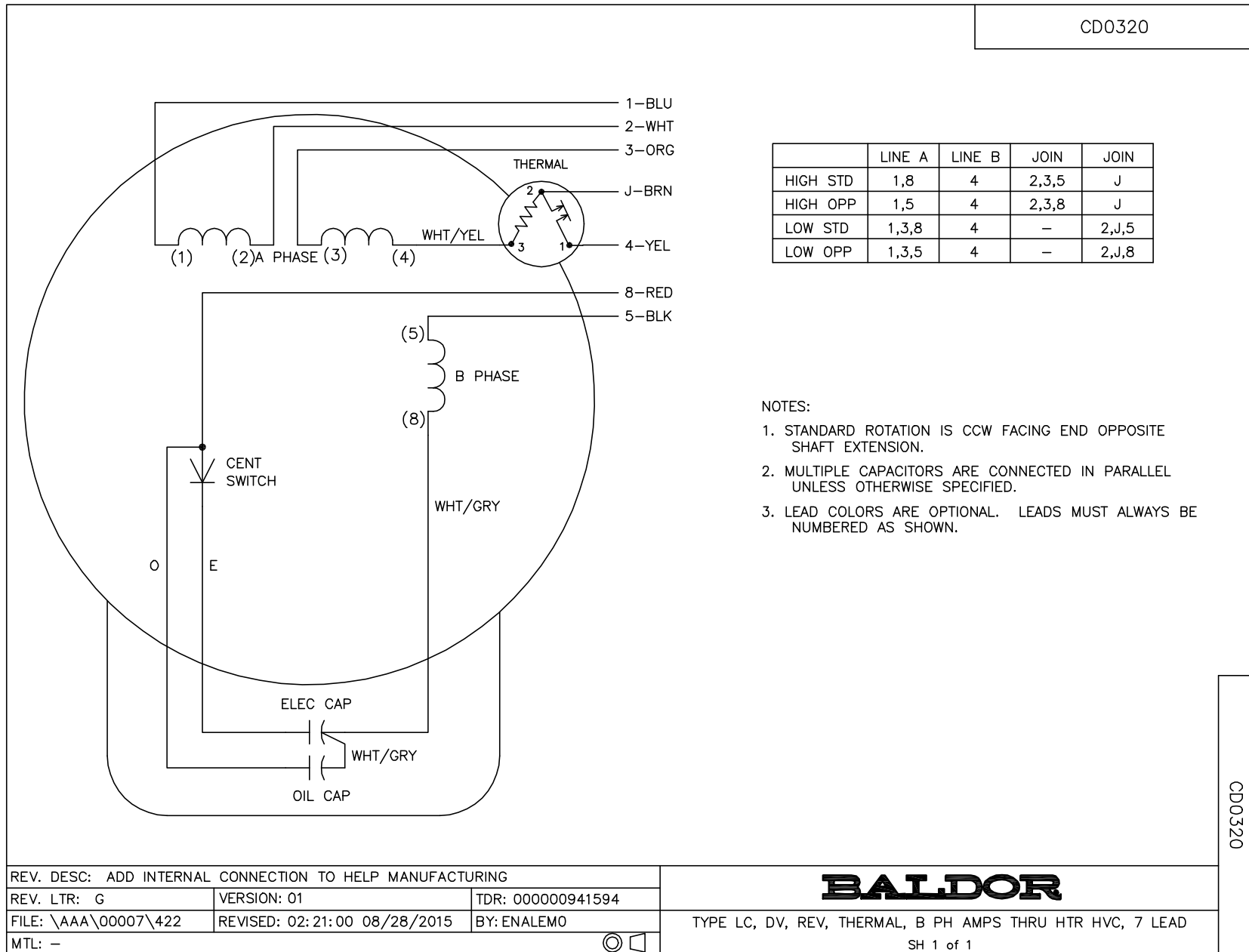
TORQUES (LB-FT): PO=4.01 PU=3.75 LR=6.42 LRA=31.9



5/29/2024 ACPERF, record # 73454



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