

**BALDOR® • RELIANCE™**

---

# Customer information packet

## EL11307A

.75HP, 1755RPM, 1PH, 60HZ, 56, 3524LC, OPEN, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.750 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.800 A @ 115.0 V 3.400 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a

## Part detail

Revision	E
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGL617
Layout	35LYM497
Eff. date	10-26-2021
CD Diagram	CD0320
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	09-13-2016

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	M
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	6 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3524LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	12.07 IN
<b>Power Factor</b>	90
<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 Extension Location</b>	Pulley End
<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>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	SB

**Winding Thermal 2**

**None**

---

**Nameplate**

<b>NP3273L</b>										
<b>CAT.NO.</b>	EL11307A									
<b>SPEC.</b>	35M497L617G1									
<b>HP</b>	.75									
<b>VOLTS</b>	115/230									
<b>AMP</b>	6.8/3.4									
<b>RPM</b>	1755									
<b>FRAME</b>	56	<b>HZ</b>	60	<b>PH</b>	1					
<b>SER.F.</b>	1.25	<b>CODE</b>	M	<b>DES</b>	N	<b>CL</b>	F			
<b>F.L. AVG. EFF.</b>	81.8	<b>PF</b>	90							
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	<b>USABLE AT 208V</b>									
<b>DE</b>	6205	<b>ODE</b>	6203							
<b>ENCL</b>	OPEN	<b>SN</b>								
	SFA 8.3/4.15									

**AC Induction Motor Performance Data**

Record # 62959

Typical performance - not guaranteed values

<b>Winding: 35WGL617-R001</b>		<b>Type: 3524LC</b>		<b>Enclosure: OPEN</b>	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
<b>Rated Output (HP)</b>	.75		<b>Full Load Torque</b>	2.24 LB-FT	
<b>Volts</b>	115/230		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	6.8/3.4		<b>Breakdown Torque</b>	6.98 LB-FT	
<b>R.P.M.</b>	1755		<b>Pull-up Torque</b>	4.73 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	<b>1</b>	<b>Locked-rotor Torque</b>	9.82 LB-FT	
<b>NEMA Design Code</b>	<b>N</b>	<b>KVA Code</b>	<b>M</b>	<b>Starting Current</b>	64.4 A
<b>Service Factor (S.F.)</b>	1.25		<b>No-load Current</b>	3.41 A	
<b>NEMA Nom. Eff.</b>	<b>81.8</b>	<b>Power Factor</b>	<b>90</b>	<b>Line-line Res. @ 25°C</b>	0.78 Ω A Ph 2.3 Ω B Ph
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	20°C	
<b>S.F. Amps</b>	8.3/4.15		<b>Temp. Rise @ S.F. Load</b>	25°C	
			<b>Locked-rotor Power Factor</b>	91.6	
			<b>Rotor inertia</b>	0.142 LB-FT <sup>2</sup>	

**Load Characteristics 115 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>	53	71	80	85	89	91	89
<b>Efficiency</b>	61.8	75.6	81	82.4	82.5	80.8	82.5
<b>Speed</b>	1791	1781	1770	1759	1747	1733	1747
<b>Line amperes</b>	3.76	4.52	5.6	6.91	8.28	9.95	8.28

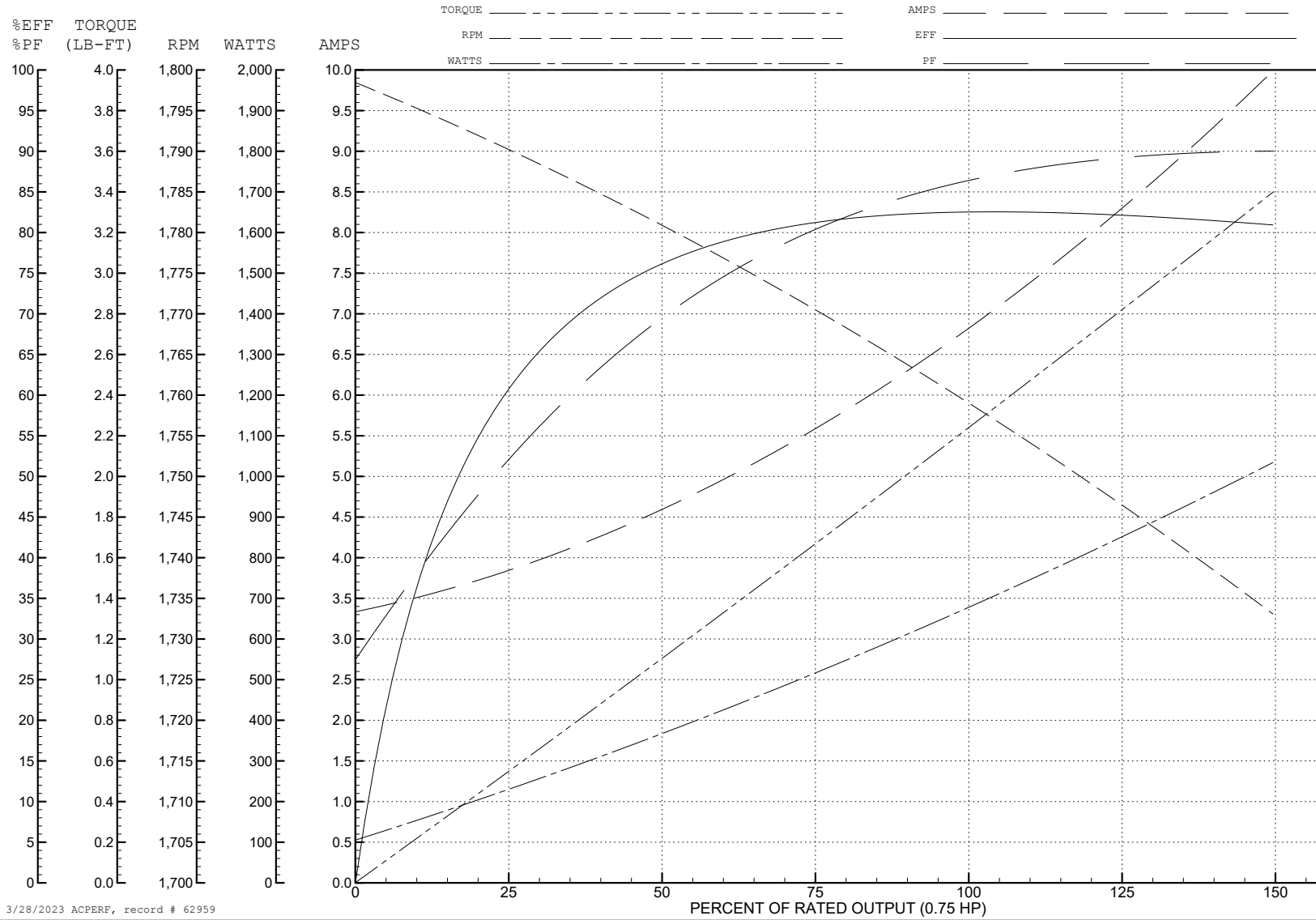
ABB Motors and Mechanical Inc.

WINDING # 35WGL617

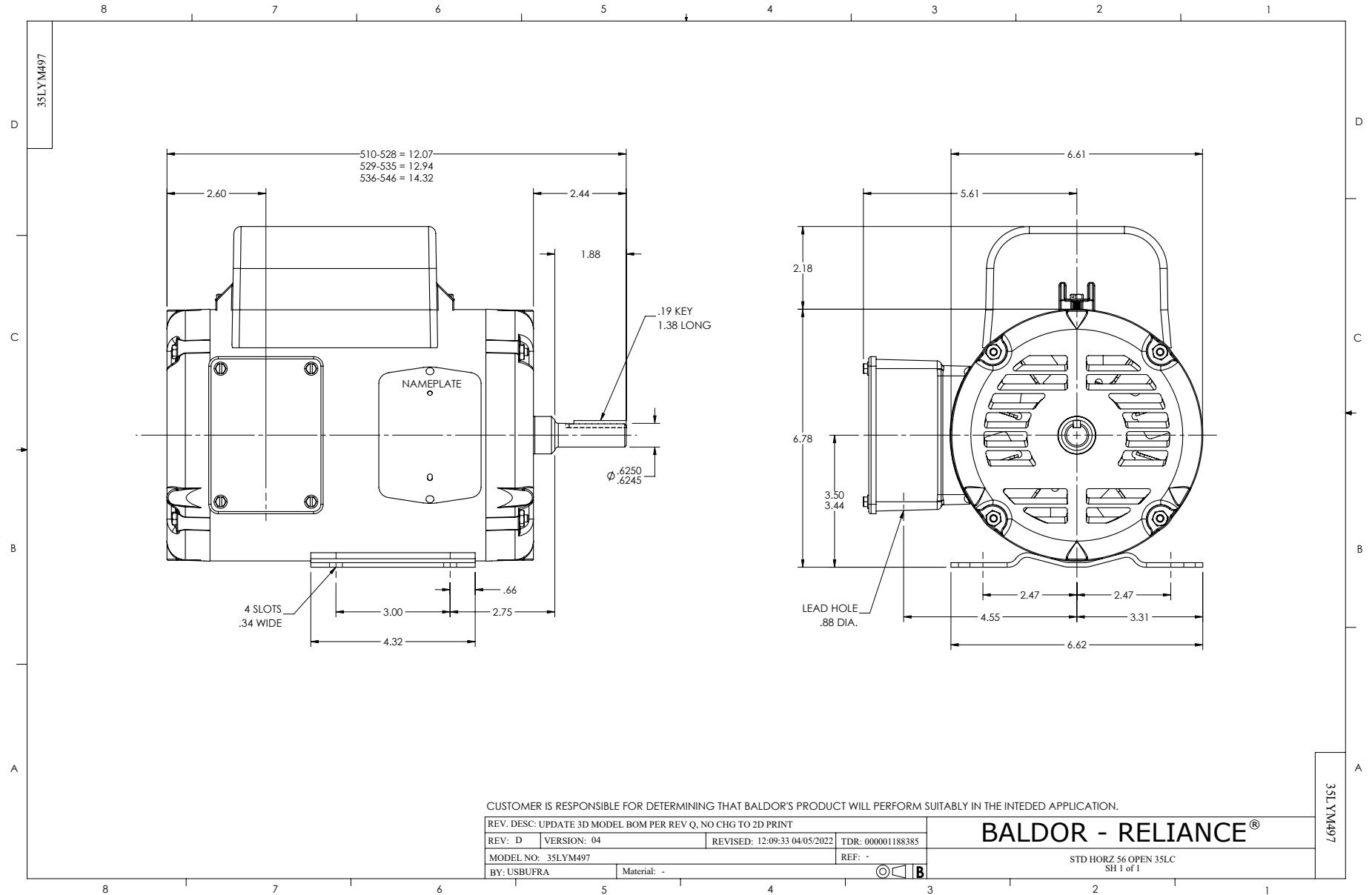
Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1755 RPM 115 V 3524LC

TORQUES (LB-FT): PO=6.98 PU=4.73 LR=9.82 LRA=64.4

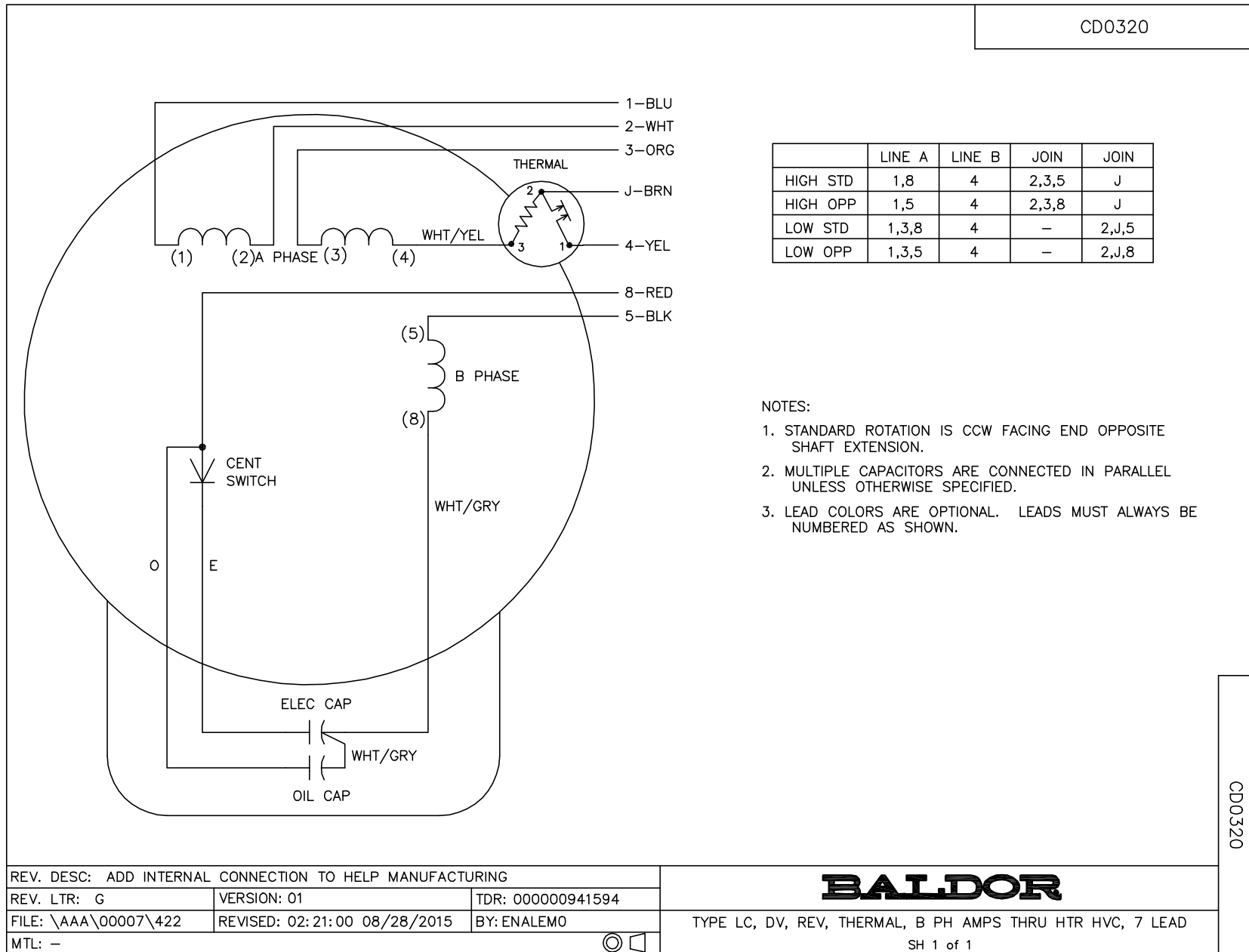


3/28/2023 ACPERF, record # 62959





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