



---

# Customer information packet

## EPL1313M

1.5HP, 3480RPM, 1PH, 60HZ, 56H, 3532LC, 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	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	5.900 A @ 230.0 V 11.800 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.0 %
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	5.9 a

## Part detail

Revision	F
Type	AC
Mech. spec.	35E3073
Base	
Status	PRD/A
Elec. spec.	35WGL137
Layout	35LYE3073
Eff. date	05-07-2024
CD Diagram	CD0320
Poles	02
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	03-03-2015

<b>Insulation Class</b>	B
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	G
<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 @ 16 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3532LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	12.62 IN
<b>Power Factor</b>	99
<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>	1.15
<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>	3480 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>	Do Not Use
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Manual Thermal Overload
<b>Winding Thermal 1 Location</b>	KO

**Winding Thermal 2**

**None**

---

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	EPL1313M								
<b>SPEC.</b>	35E3073L137								
<b>HP</b>	1.5								
<b>VOLTS</b>	115/230								
<b>AMP</b>	11.8/5.9								
<b>RPM</b>	3480								
<b>FRAME</b>	56H			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.15	<b>CODE</b>	G	<b>DES</b>	L	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	82	<b>PF</b>	99						
<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 # 47200

Typical performance - not guaranteed values

Winding: 35WGL137-R001		Type: 3532LC	Enclosure: OPEN	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>	
Rated Output (HP)	1.5	Full Load Torque	2.26 LB-FT	
Volts	115/230	Start Configuration	direct on line	
Full Load Amps	11.8/5.9	Breakdown Torque	5.43 LB-FT	
R.P.M.	3480	Pull-up Torque	3.28 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	5.8 LB-FT
NEMA Design Code	L KVA Code	G	Starting Current	73.7 A
Service Factor (S.F.)	1.15	No-load Current	2.44 A	
NEMA Nom. Eff.	82 Power Factor	99	Line-line Res. @ 25°C	0.43089 Ω A Ph 0.72107 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	17°C	
S.F. Amps		Temp. Rise @ S.F. Load	22°C	

**Load Characteristics 115 V, 60 Hz, 1.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	89	98	99	100	99	98	99
Efficiency	70.1	80.9	83.3	82.9	80.3	76	81.3
Speed	3573.6	3549.3	3520	3484.9	3443.3	3387.4	3460
Line amperes	3.88	6.09	8.8	11.8	15.3	19.6	13.9

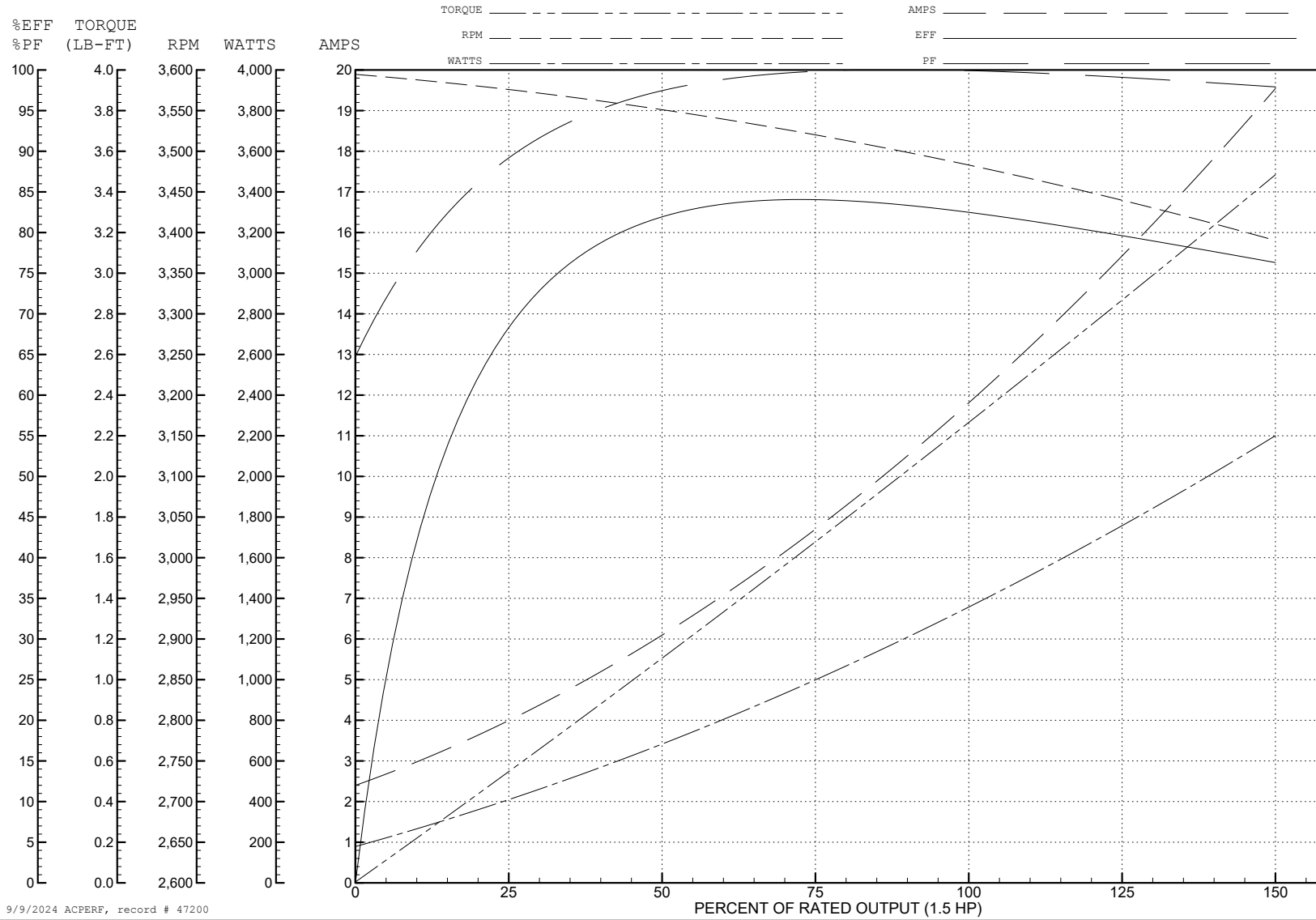
ABB Motors and Mechanical Inc.

WINDING # 35WGL137

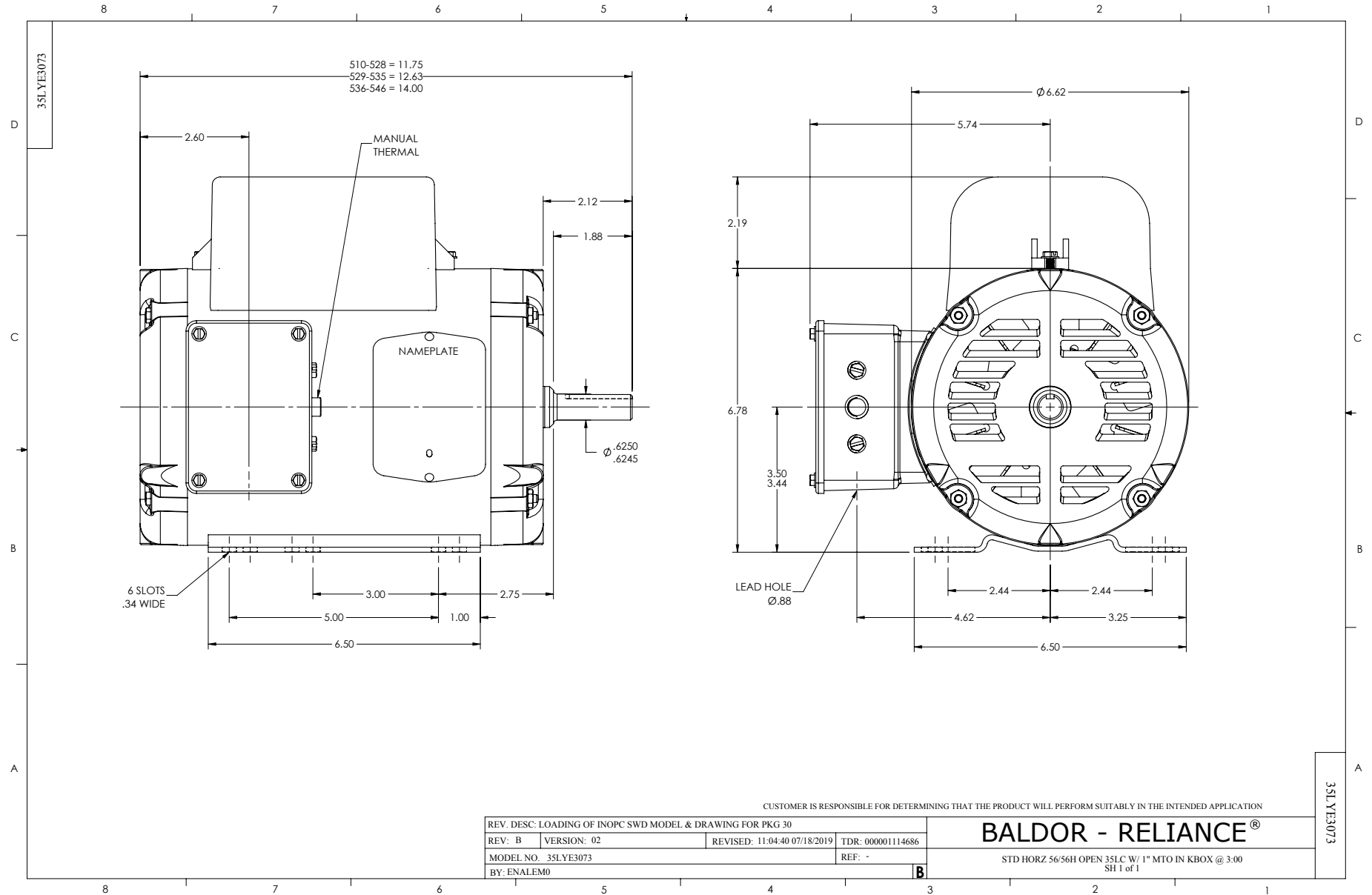
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3480 RPM 115 V 3532LC

TORQUES (LB-FT): PO=5.43 PU=3.28 LR=5.8 LRA=73.7

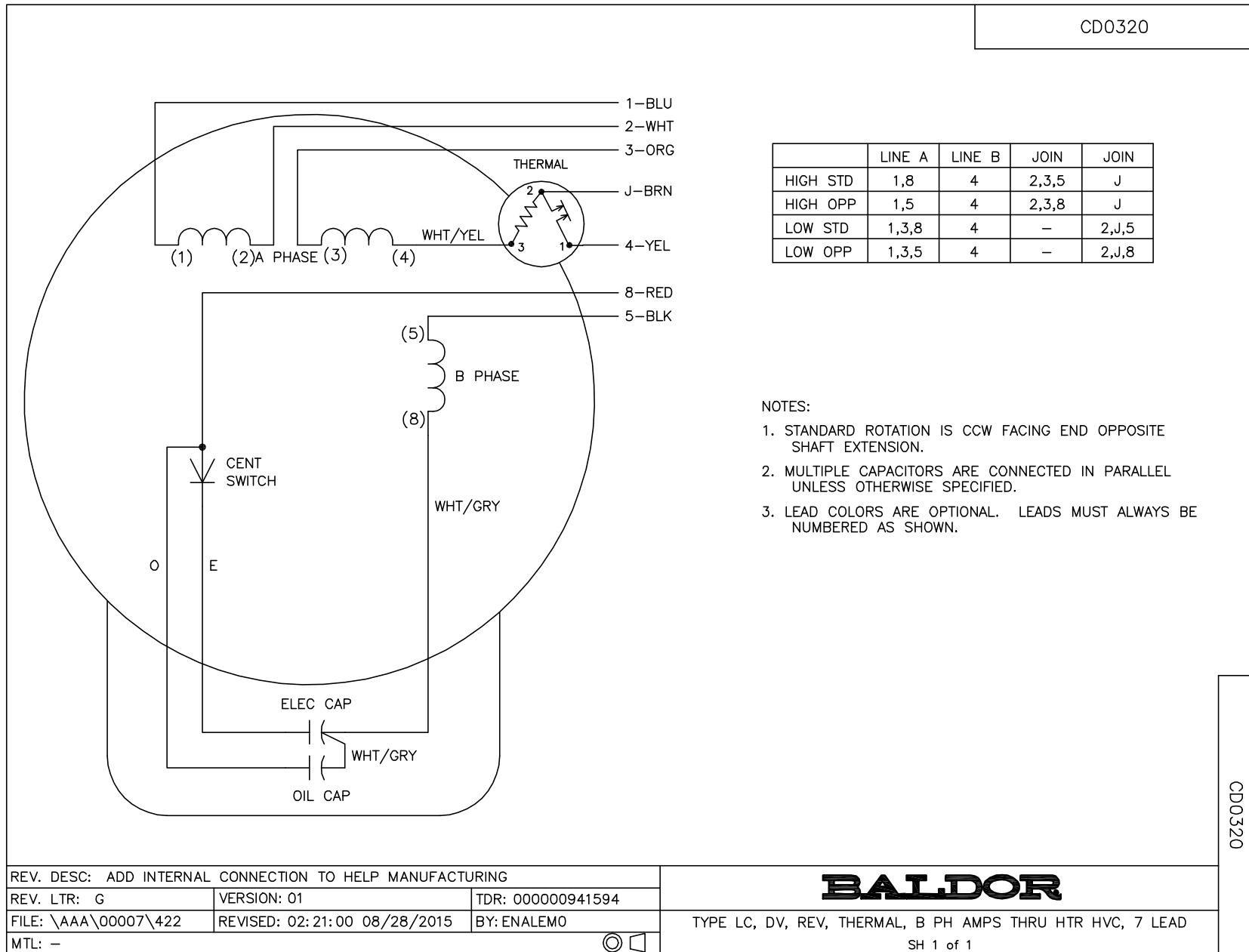


9/9/2024 ACPERF, record # 47200





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