

**BALDOR • RELIANCE**

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# Customer information packet

## VEL11318

1HP, 1750RPM, 1PH, 60HZ, 56C, 3528LC, ODTF, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	ODTF
Frame	56C
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	1.000 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.400 A @ 230.0 V 8.800 A @ 115.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	F
Type	AC
Mech. spec.	35E019
Base	
Status	PRD/A
Elec. spec.	35WGG109
Layout	35LYE019
Eff. date	07-02-2024
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	08-01-2022

<b>KVA Code</b>	K
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<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>	3528LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	13.24 IN
<b>Power Factor</b>	89
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<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>	1750 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>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP3155L</b>									
<b>CAT.NO.</b>	VEL11318								
<b>SPEC.</b>	35E019G109								
<b>HP</b>	1								
<b>VOLTS</b>	115/230								
<b>AMP</b>	8.8/4.4								
<b>RPM</b>	1750								
<b>FRAME</b>	56C		<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>	82.6	<b>PF</b>	89						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	ODTF	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 108226

Typical performance - not guaranteed values

Winding: 35WGG109-R001		Type: 3528LC	Enclosure: OPEN	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>	
Rated Output (HP)	1	Full Load Torque	3.006 LB-FT	
Volts	115/230	Start Configuration	direct on line	
Full Load Amps	8.8/4.4	Breakdown Torque	9.12 LB-FT	
R.P.M.	1750	Pull-up Torque	6.8 LB-FT	
Hz	60 Phase	Locked-rotor Torque	13.7 LB-FT	
NEMA Design Code	L KVA Code	Starting Current	75.2 A	
Service Factor (S.F.)	1.15	No-load Current	4.53 A	
NEMA Nom. Eff.	82.6 Power Factor	Line-line Res. @ 25°C	0.57842 Ω A Ph 1.1449 Ω B Ph	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	22°C	
S.F. Amps		Temp. Rise @ S.F. Load	27°C	

**Load Characteristics 115 V, 60 Hz, 1 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	69	80	86	89	91	88
Efficiency	65.7	78.3	82.3	82.7	81.4	78.7	81.9
Speed	1783.2	1769.4	1753.1	1736.2	1716	1689.1	1724
Line amperes	4.86	5.88	7.33	9.06	11.1	13.6	10.3

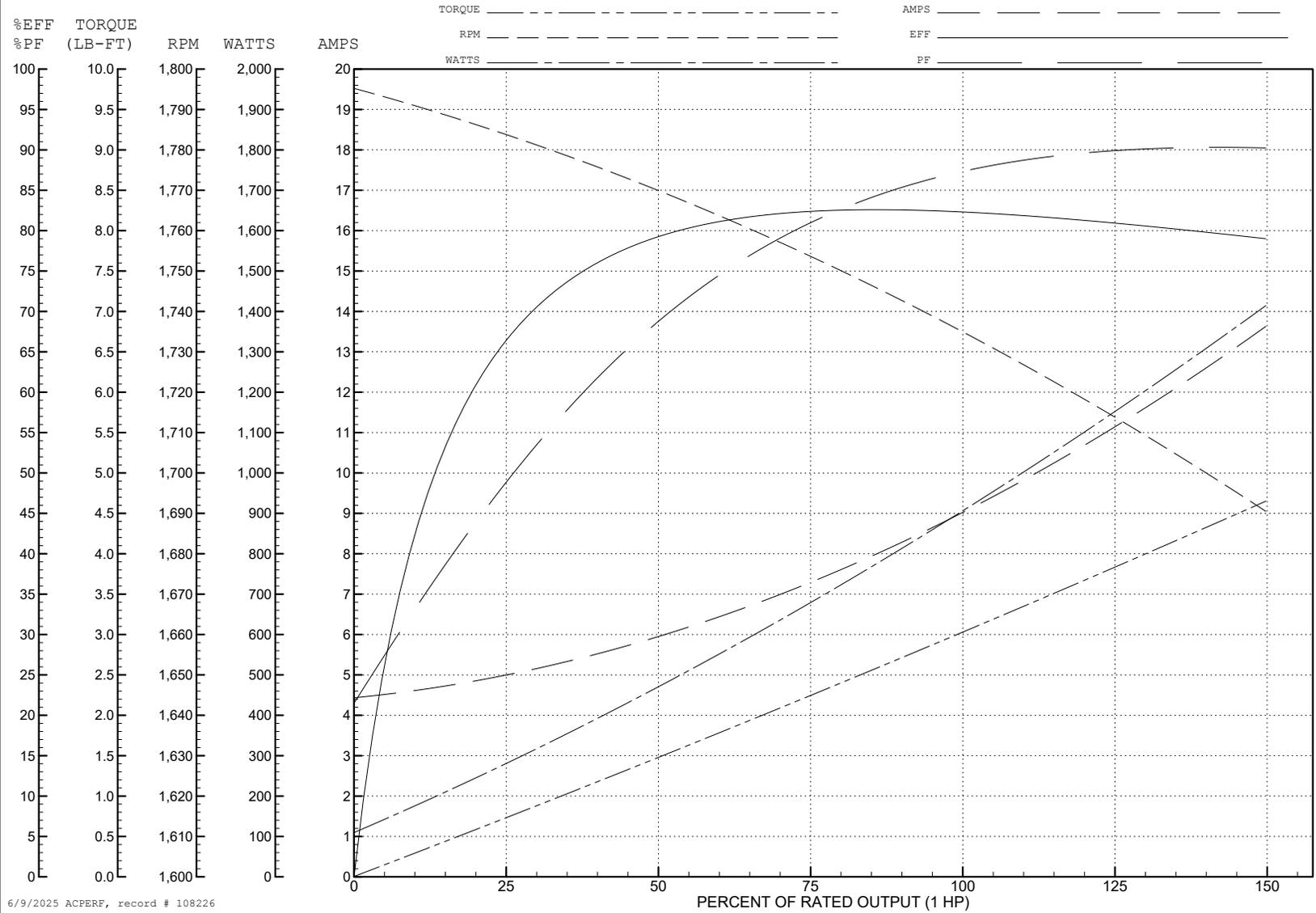
ABB Motors and Mechanical Inc.

WINDING # 35WGG109

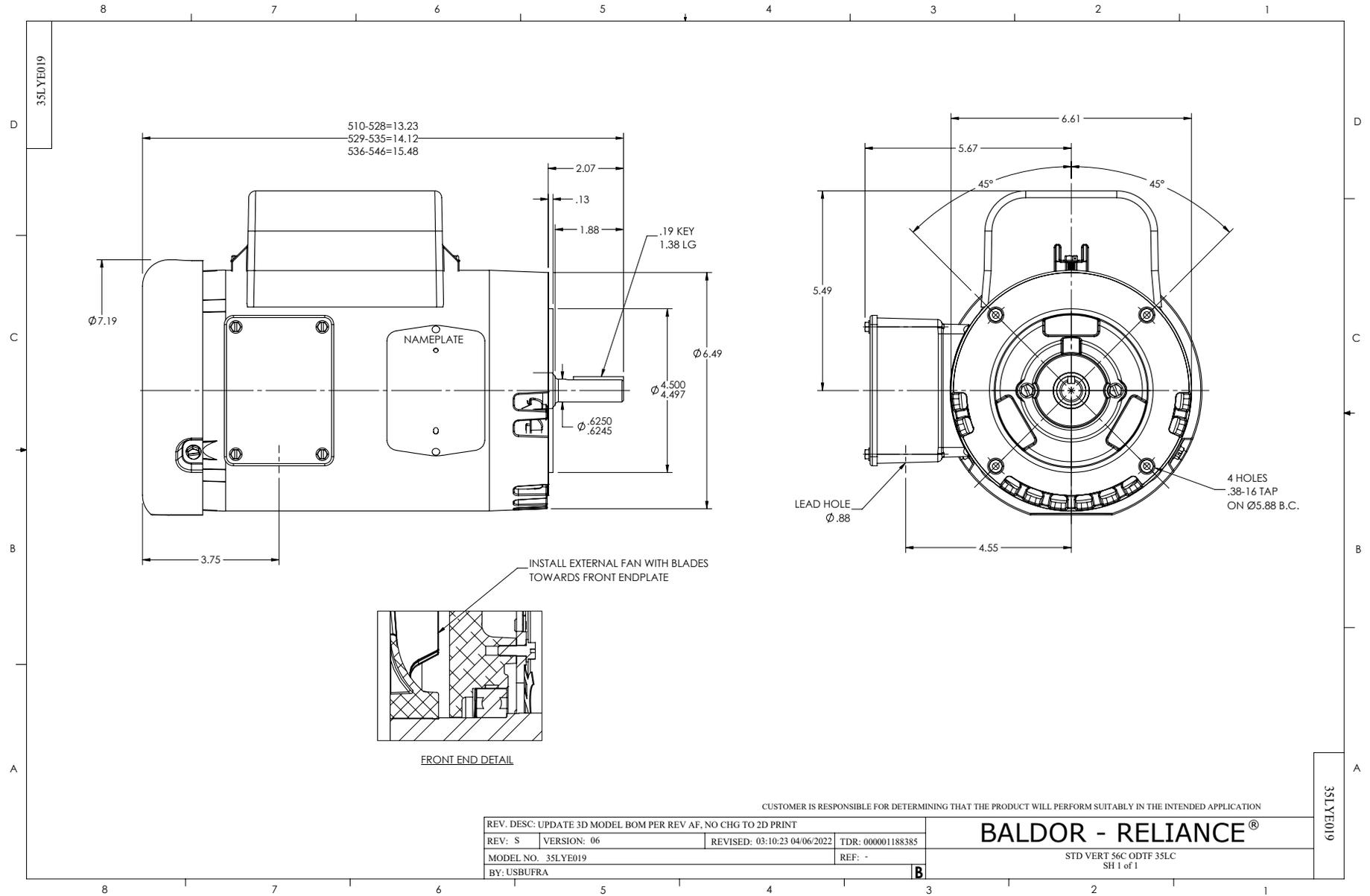
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1750 RPM 115 V 3528LC

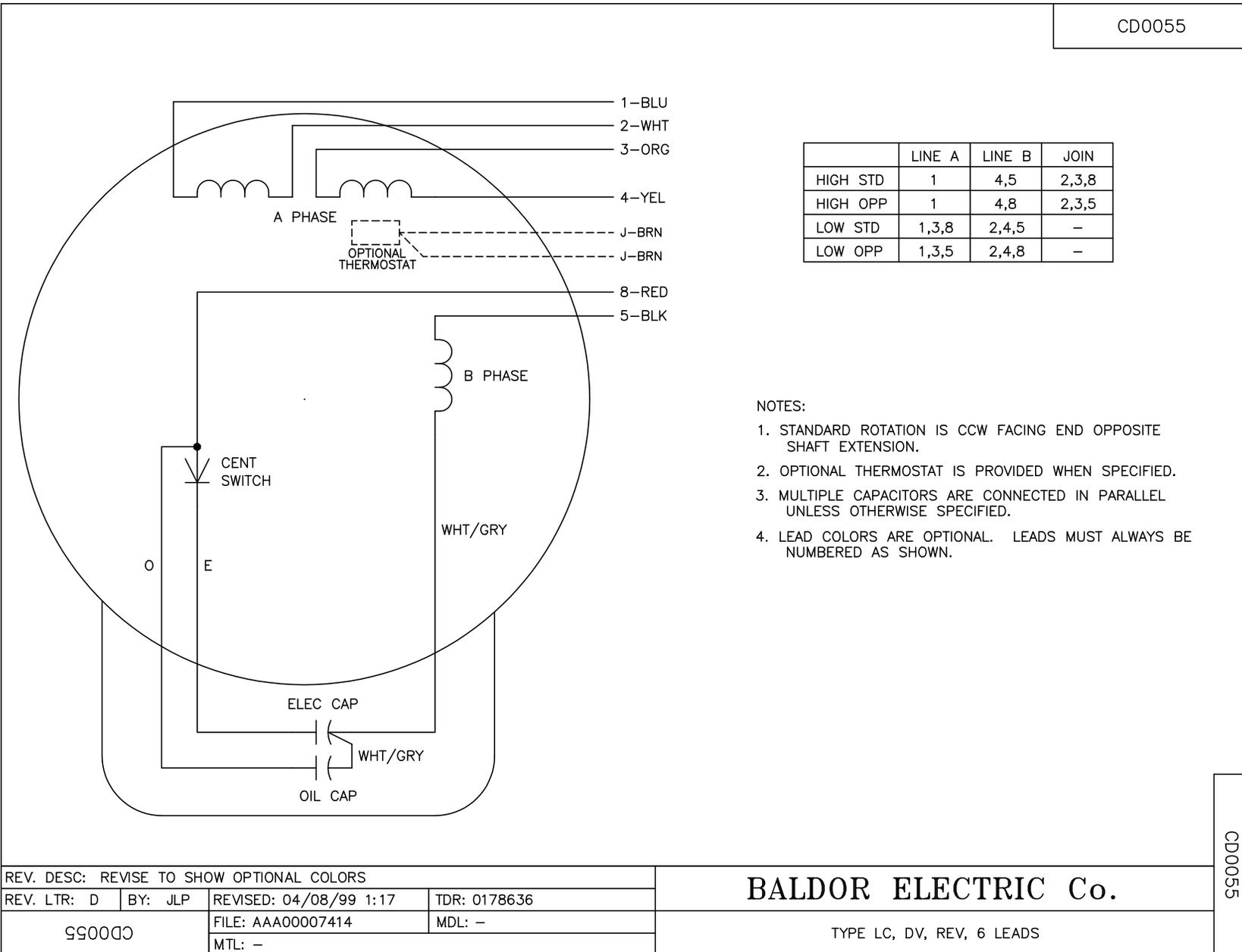
TORQUES (LB-FT): PO=9.12 PU=6.8 LR=13.7 LRA=75.2



6/9/2025 ACPERF, record # 108226



CD0055



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

**NOTES:**

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

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS