

**BALDOR • RELIANCE**

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# Customer information packet

## L1321TM

1.5HP, 1740RPM, 1PH, 60HZ, 143T, 3536L, OPEN, F

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	143T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US
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	11.000 A @ 230.0 V 22.000 A @ 115.0 V 9.630 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.6 a

## Part detail

Revision	F
Type	AC
Mech. spec.	35DD001
Base	
Status	PRD/A
Elec. spec.	35WGG407
Layout	35LYDD001
Eff. date	12-02-2024
CD Diagram	CD0269
Poles	04
Leads	4#14 A PH,2#18 B PH,1#12 #4TH
Proprietary	False
Created date	11-02-2022

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>IP Rating</b>	NONE
<b>KVA Code</b>	N
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	4 @ 14 AWG, A PH
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3536L
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	14.38 IN
<b>Power Factor</b>	80
<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>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1740 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>	SB
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	L1321TM								
<b>SPEC.</b>	35DD001G407								
<b>HP</b>	1.5								
<b>VOLTS</b>	115/208-230								
<b>AMP</b>	22/9.63-11								
<b>RPM</b>	1740								
<b>FRAME</b>	143T			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.15	<b>CODE</b>	N	<b>DES</b>	L	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	70	<b>PF</b>	80						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	OPEN	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

**AC Induction Motor Performance Data**

Record # 109517

Typical performance - not guaranteed values

Winding: 35WGG407-R002			Type: 3536L		Enclosure: OPEN	
<b>Nameplate Data</b>				<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	1.5		Full Load Torque	4.49 LB-FT		
Volts	115/208-230		Start Configuration	direct on line		
Full Load Amps	22/9.63-11		Breakdown Torque	16.2 LB-FT		
R.P.M.	1740		Pull-up Torque	11.3 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque	17 LB-FT	
NEMA Design Code	L	KVA Code	N	Starting Current	147 A	
Service Factor (S.F.)	1.15		No-load Current	19.27 A		
NEMA Nom. Eff.	70	Power Factor	80	Line-line Res. @ 25°C	0.278 Ω A Ph 1.48 Ω B Ph	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	97°C		
S.F. Amps			Temp. Rise @ S.F. Load	107°C		
			Locked-rotor Power Factor	81.2		
			Rotor inertia	0.261 lb-ft <sup>2</sup>		

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

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	45	56	65	71	76	69
Efficiency	52.2	66.6	72.6	74.3	73.3	70.6	73.7
Speed	1787	1777	1765	1753	1732	1707	1740
Line amperes	15.7	16.37	18.14	20.1	23.49	27.49	22.1

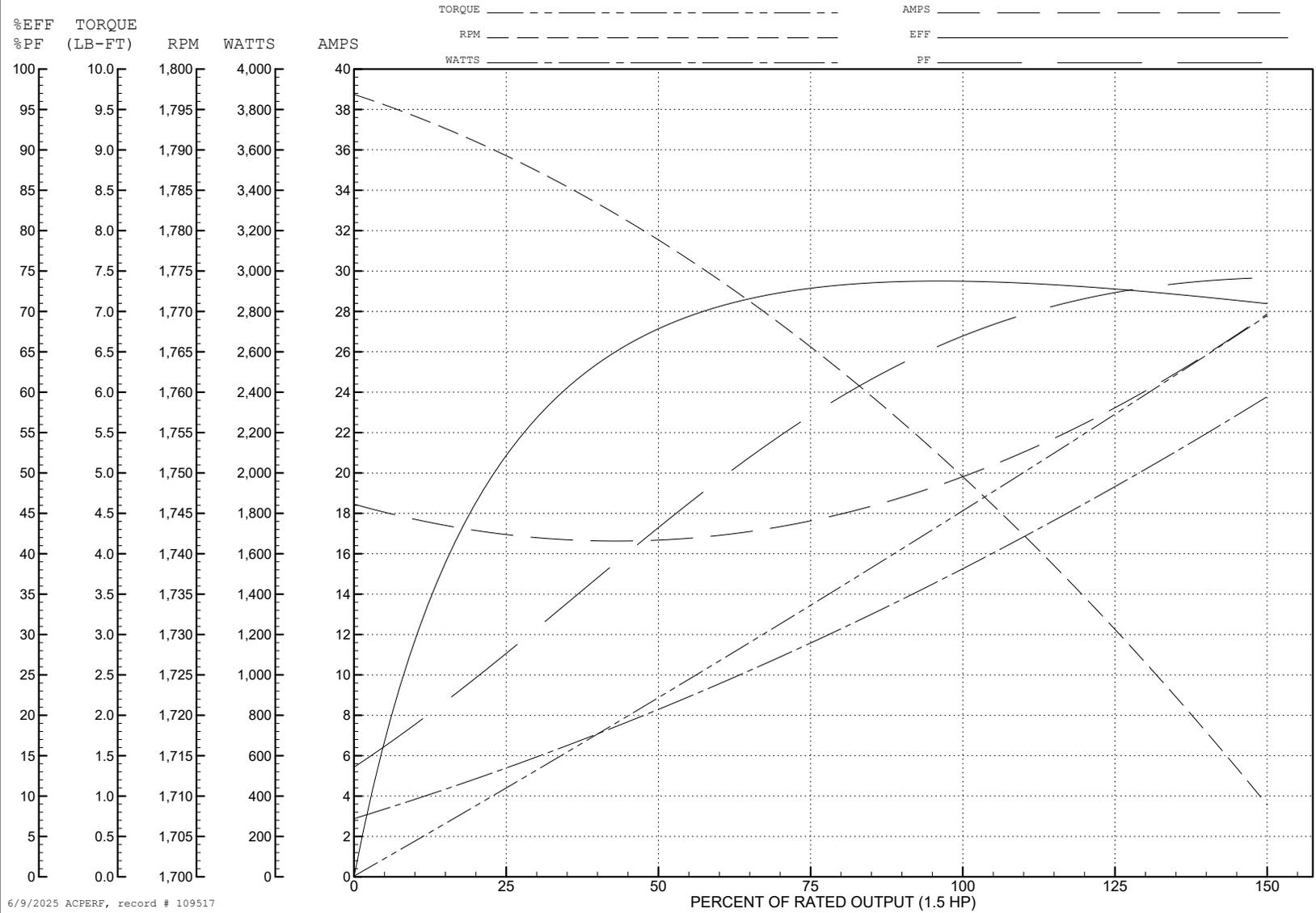
ABB Motors and Mechanical Inc.

WINDING # 35WGG407

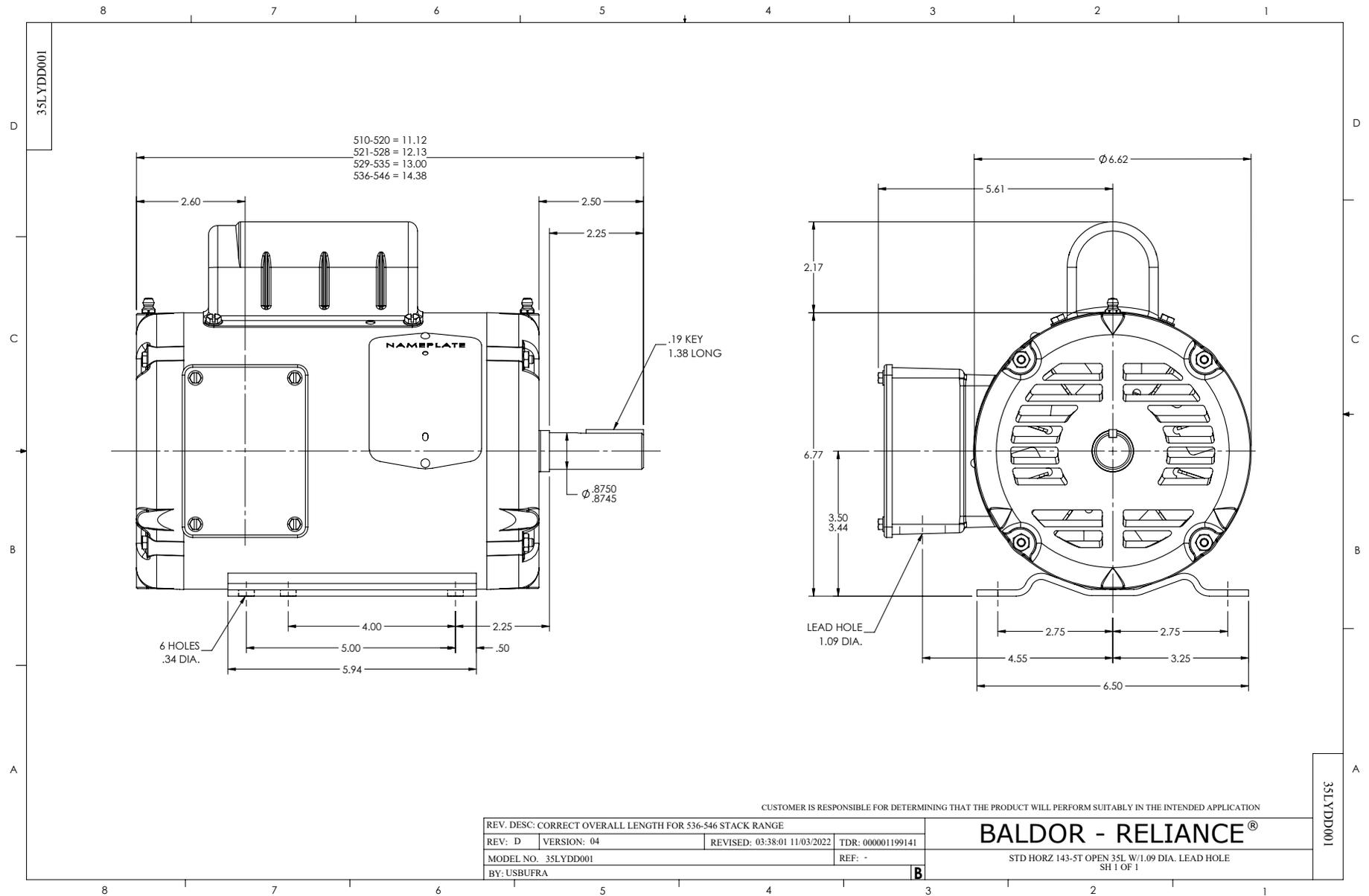
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1740 RPM 115 V 3536L

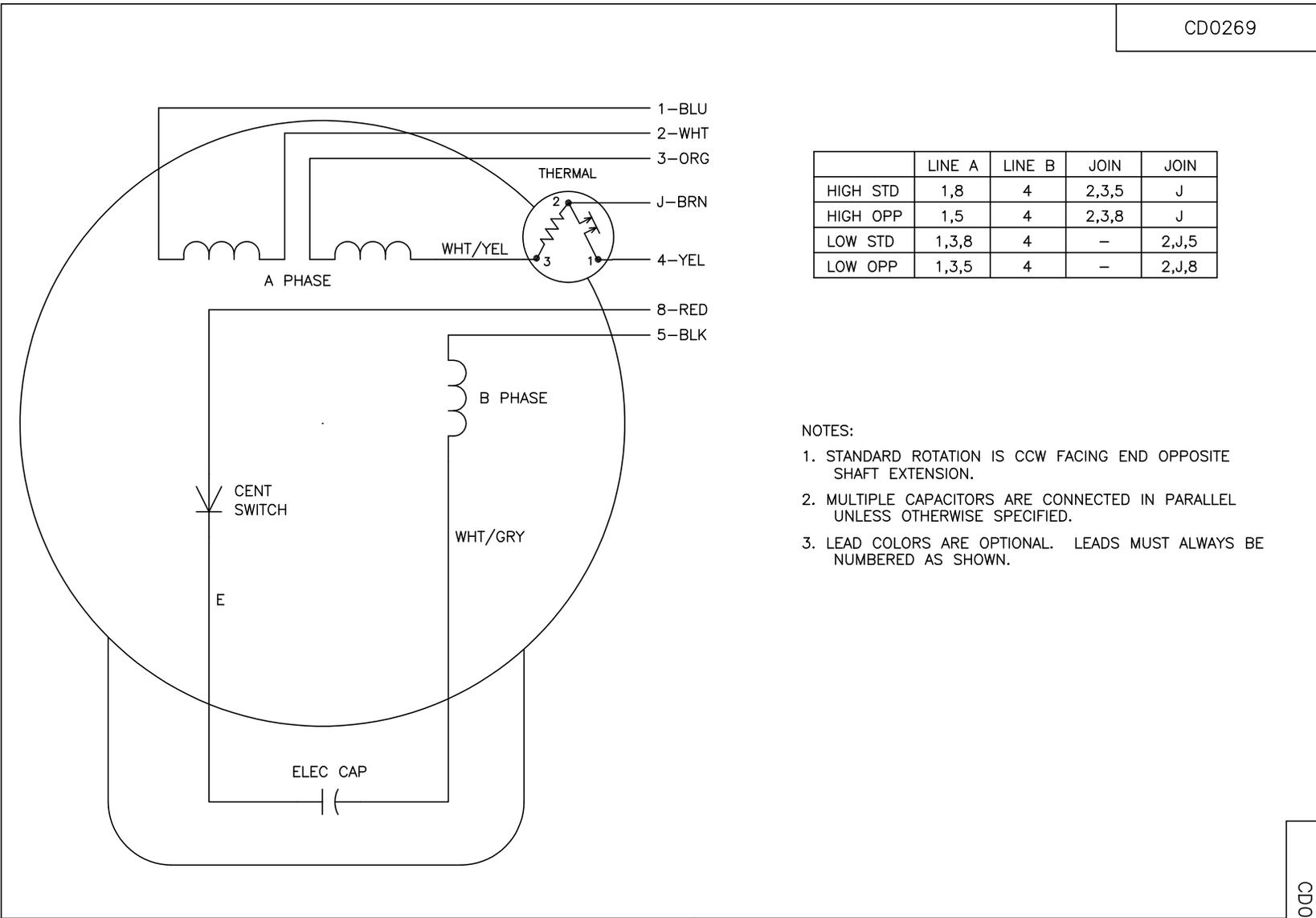
TORQUES (LB-FT): PO=16.2 PU=11.3 LR=17 LRA=147



6/9/2025 ACPERF, record # 109517



CD0269



	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.

CD0269

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 04/08/99 1:07	TDR: 0178636
69Z0C0		FILE: AAA00007421	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD