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# Customer information packet

## L3605TM

2HP, 1725RPM, 1PH, 60HZ, 182T, 3634L, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	182T
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	2.000 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	UR CSA
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
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.0 %
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	11.0 a

## Part detail

Revision	AF
Type	AC
Mech. spec.	36C001
Base	
Status	PRD/A
Elec. spec.	36WG0386
Layout	36LYC001
Eff. date	05-09-2024
CD Diagram	CD0008
Poles	04
Leads	4#14 A&J,2#16 B PH,1#12 #4TH
Proprietary	False
Created date	01-01-0001

<b>Insulation Class</b>	F
<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 Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	4 @ 14 AWG, A&J
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3634L
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	16.56 IN
<b>Power Factor</b>	81
<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>	1.00
<b>Shaft Diameter</b>	1.125 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>	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>	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>	L3605TM								
<b>SPEC.</b>	36C01-386								
<b>HP</b>	2								
<b>VOLTS</b>	115/230								
<b>AMP</b>	22/11								
<b>RPM</b>	1725								
<b>FRAME</b>	182T			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.00	<b>CODE</b>	K	<b>DES</b>	L	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	75	<b>PF</b>	81						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6206	<b>ODE</b>	6205						
<b>ENCL</b>	TEFC	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

**AC Induction Motor Performance Data**

Record # 61410

Typical performance - not guaranteed values

Winding: 36WG0386-R002		Type: 3634L	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	2	Full Load Torque	6 LB-FT	
Volts	115/230	Start Configuration	direct on line	
Full Load Amps	22/11	Breakdown Torque	14.5 LB-FT	
R.P.M.	1725	Pull-up Torque	13 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	16.6 LB-FT
NEMA Design Code	L KVA Code	K	Starting Current	122 A
Service Factor (S.F.)		1	No-load Current	13 A
NEMA Nom. Eff.	75 Power Factor	81	Line-line Res. @ 25°C	0.237 Ω A Ph 0.673 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	78°C
			Locked-rotor Power Factor	88.6
			Rotor inertia	0.319 LB-FT <sup>2</sup>

**Load Characteristics 115 V, 60 Hz, 2 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	37	56	68	78	79	85
Efficiency	63.1	72.3	74.3	75	72	68.3
Speed	1783	1769	1753	1733	1711	1689
Line amperes	14	16.1	19.4	22	27.8	32.4

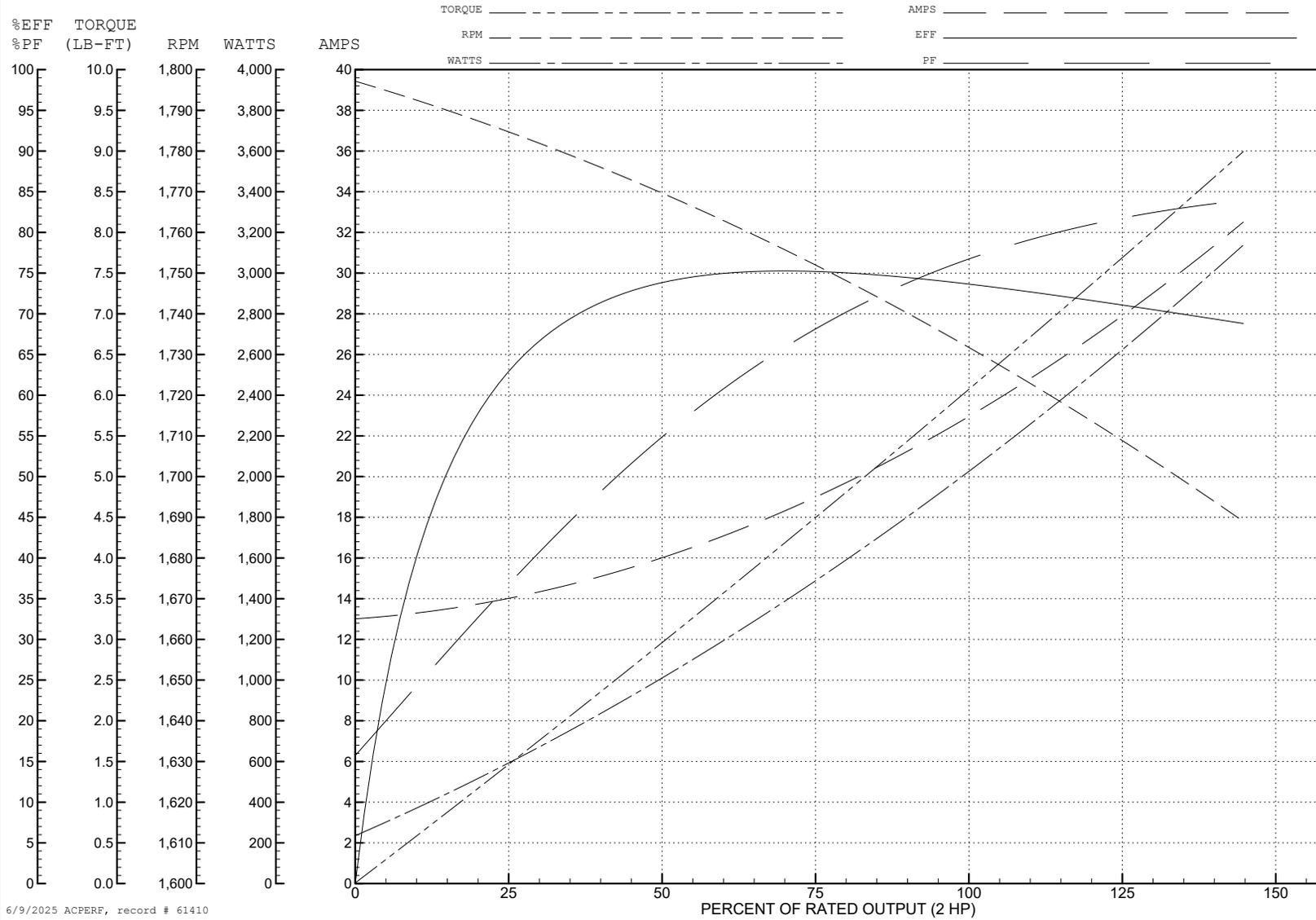
ABB Motors and Mechanical Inc.

WINDING # 36WG0386

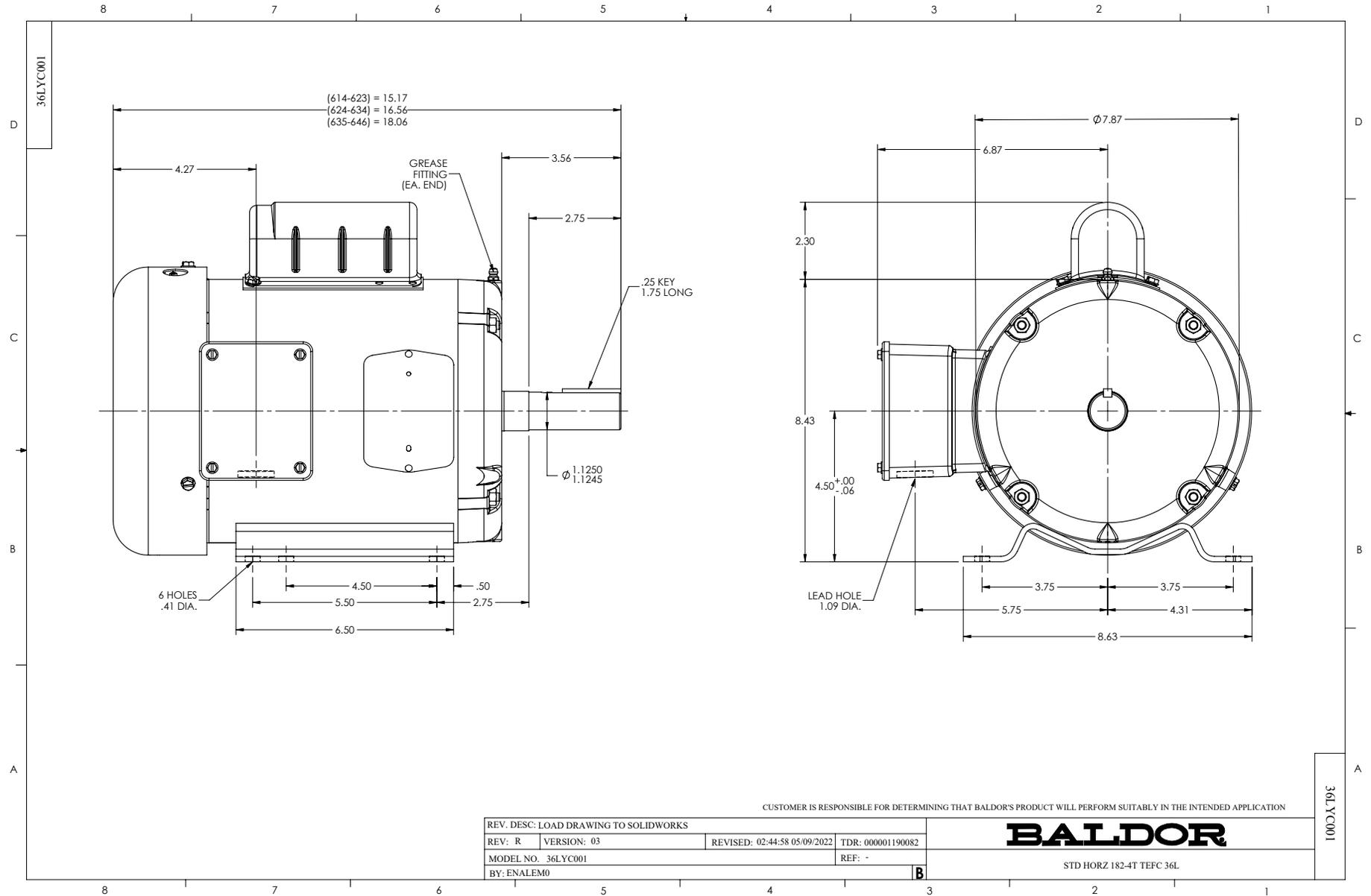
Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 115 V 3634L

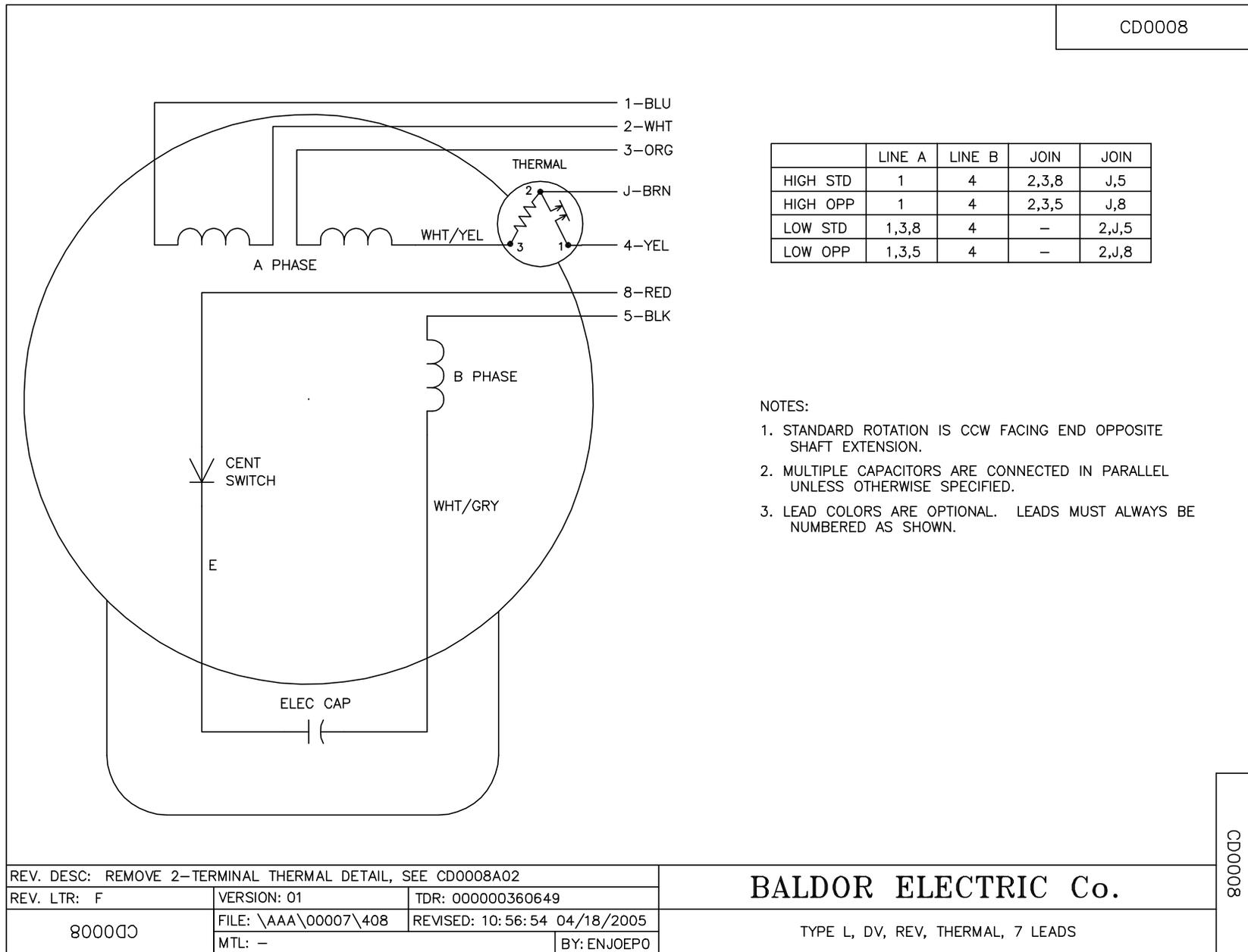
TORQUES (LB-FT): PO=14.5 PU=13 LR=16.6 LRA=122



6/9/2025 ACPERF, record # 61410



CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
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.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008