

**BALDOR • RELIANCE**

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# Customer information packet

## CL1410TM

5HP, 1725RPM, 1PH, 60HZ, 184TC, 3640LC, OPEN

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPEN
Frame	184TC
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 230.0 V 25.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
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	23.0 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	AK
Type	AC
Mech. spec.	36F484
Base	
Status	PRD/A
Elec. spec.	36WGW903
Layout	36LYF484
Eff. date	05-09-2024
CD Diagram	CD0002A04
Poles	04
Leads	2#10 A PH,3#16 B&J
Proprietary	False
Created date	01-01-0001

<b>KVA Code</b>	G
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	2 @ 10 AWG, A PH
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3640LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	16.50 IN
<b>Power Factor</b>	87
<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>	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>	KO
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	CL1410TM								
<b>SPEC.</b>	36F484W903								
<b>HP</b>	5								
<b>VOLTS</b>	230								
<b>AMP</b>	23								
<b>RPM</b>	1725								
<b>FRAME</b>	184TC		<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>	F		
<b>NEMA-NOM-EFF</b>	82.5	<b>PF</b>	87						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6206	<b>ODE</b>	6205						
<b>ENCL</b>	OPEN	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 10877

Typical performance - not guaranteed values

Winding: 36WGW903-R001		Type: 3640LC	Enclosure: OPEN	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Single Voltage Motor</b>	
Rated Output (HP)	5	Full Load Torque	15 LB-FT	
Volts	230	Start Configuration	direct on line	
Full Load Amps	23	Breakdown Torque	34 LB-FT	
R.P.M.	1725	Pull-up Torque	28 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	41 LB-FT
NEMA Design Code	L KVA Code	G	Starting Current	140 A
Service Factor (S.F.)	1.15	No-load Current	8.4 A	
NEMA Nom. Eff.	82.5 Power Factor	87	Line-line Res. @ 25°C	0.45 Ω A Ph 1.56 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	90°C	
S.F. Amps		Temp. Rise @ S.F. Load	110°C	

**Load Characteristics 230 V, 60 Hz, 5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	78	86	89	91	91	0
Efficiency	67.2	79.2	82.7	83	81.5	78.5	0
Speed	1786	1772	1756	1739	1718	1691	0
Line amperes	10.1	13.2	17.2	21.9	27.4	34	25.2

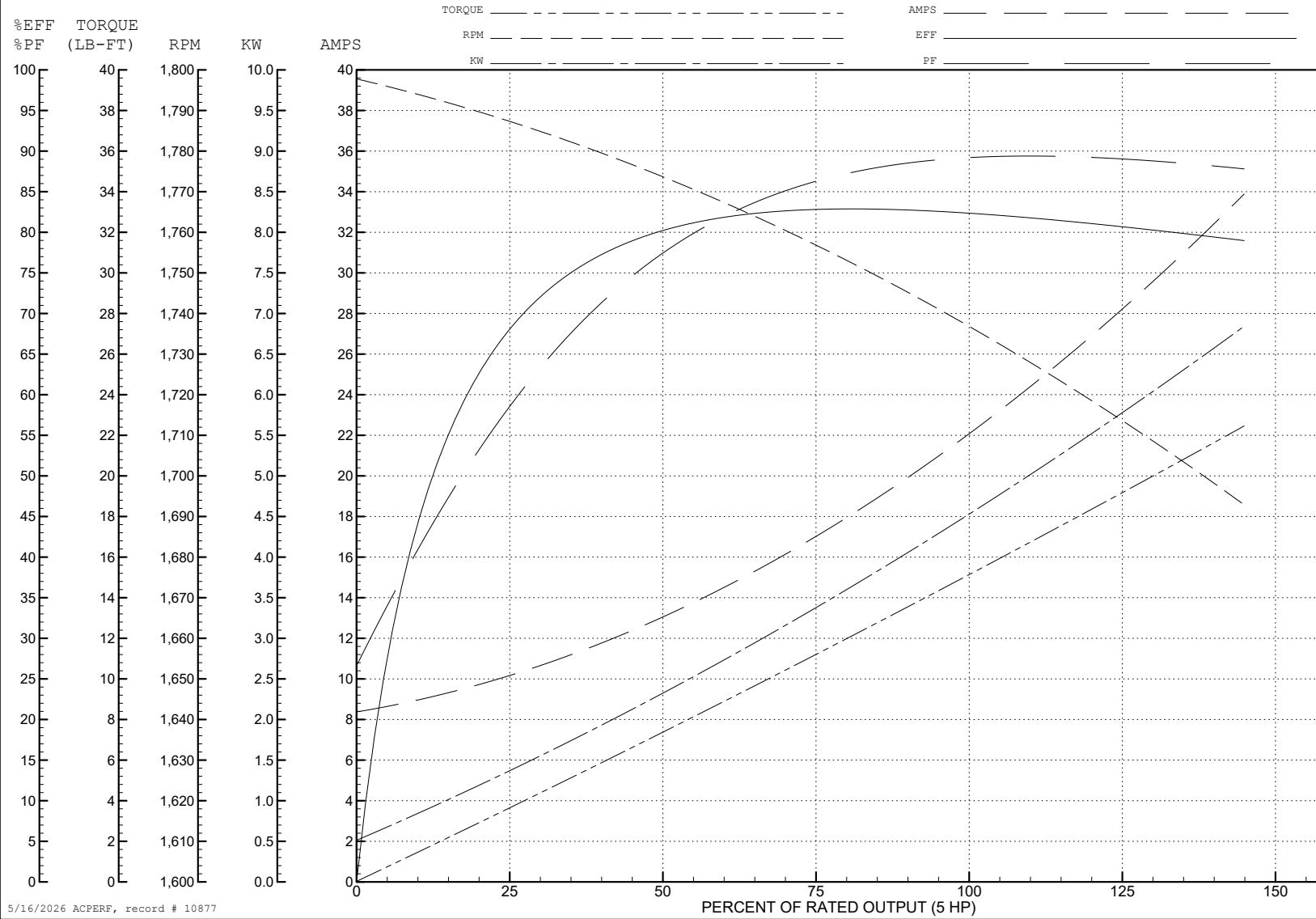
ABB Motors and Mechanical Inc.

WINDING # 36WGW903

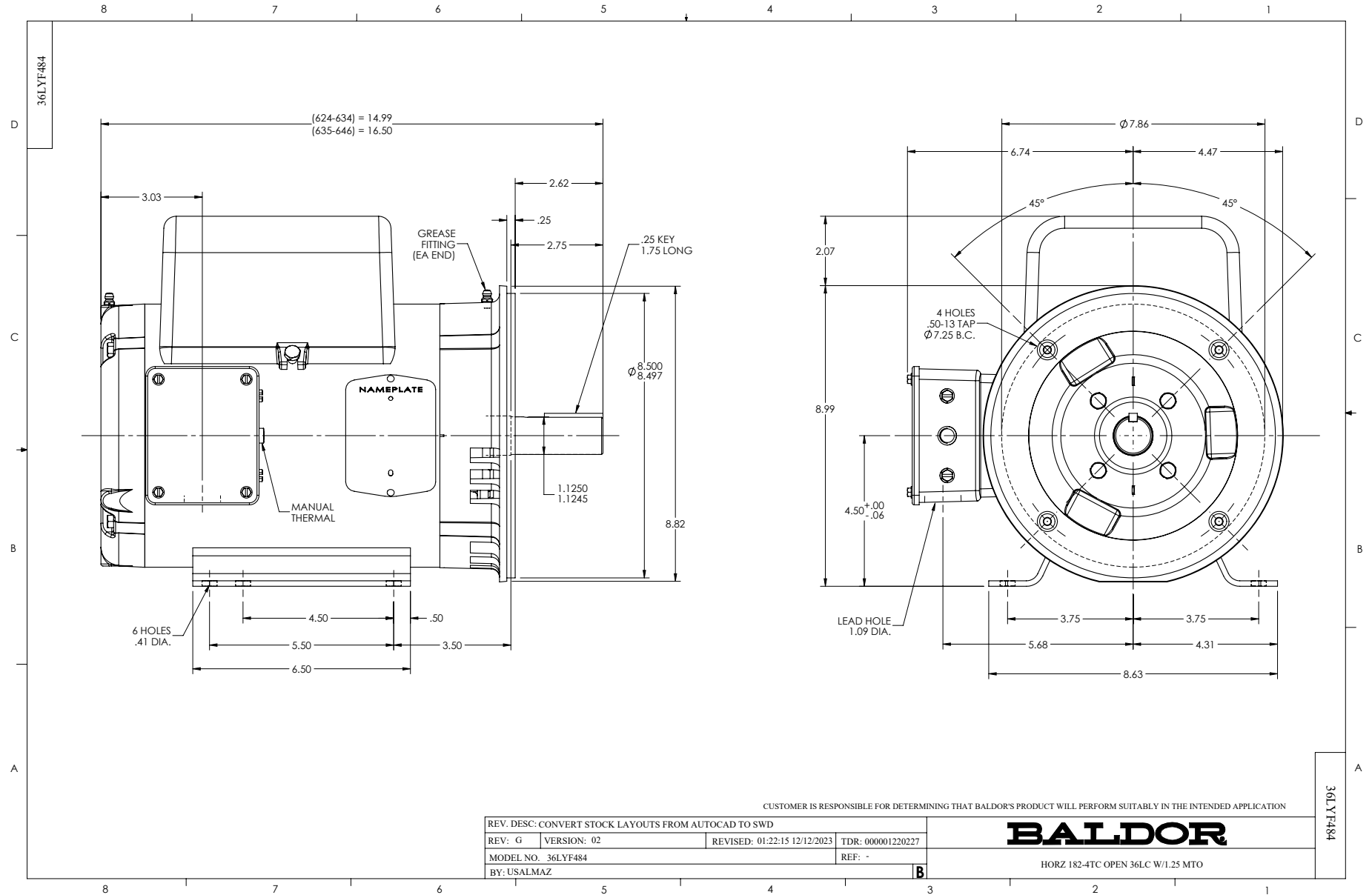
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC

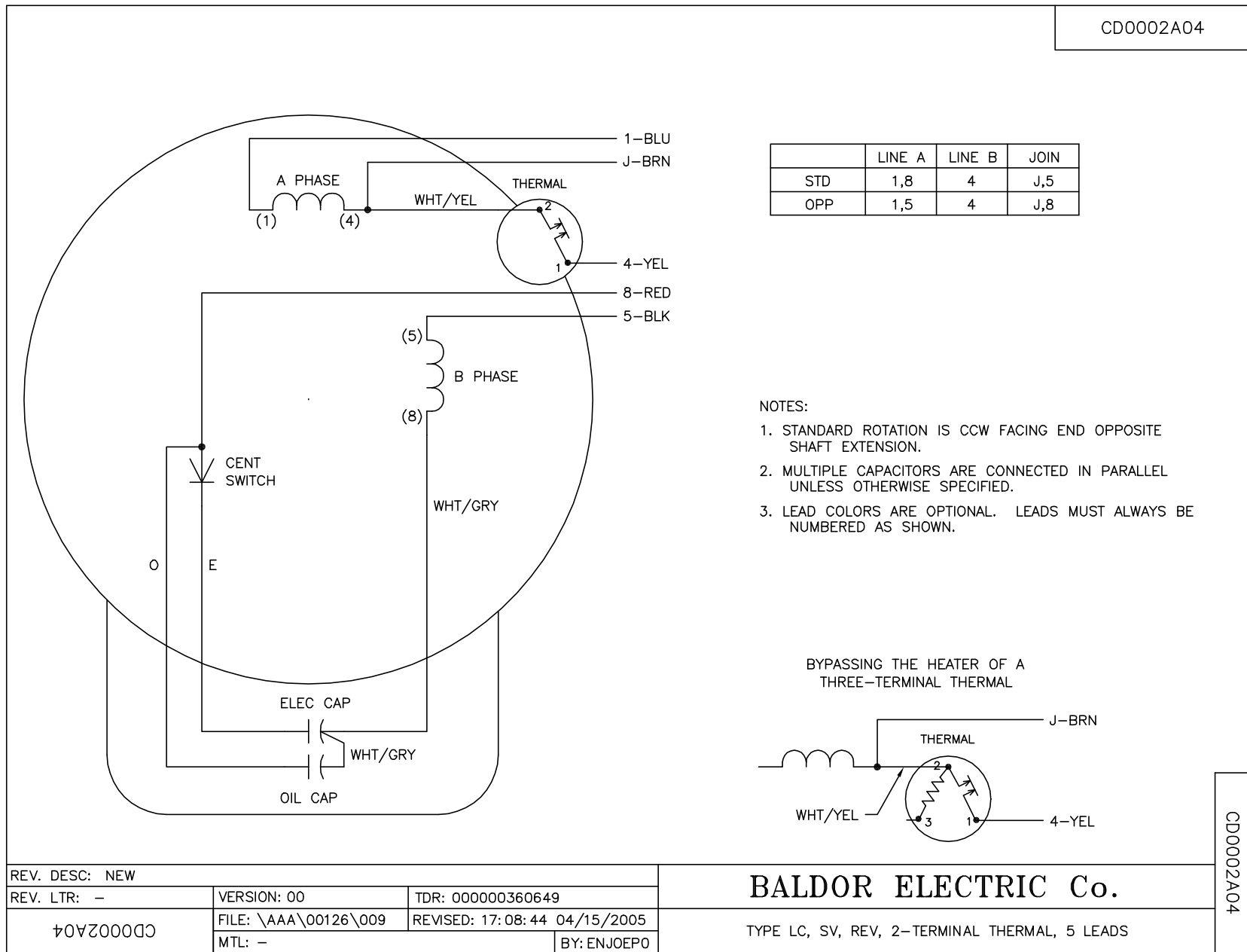
TORQUES (LB-FT): PO=34 PU=28 LR=41 LRA=140



5/16/2026 ACPERF, record # 10877



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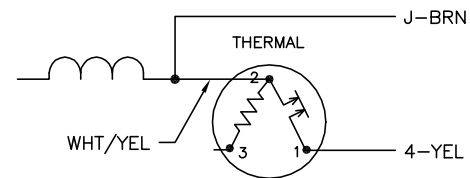


	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

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.

BYPASSING THE HEATER OF A THREE-TERMINAL THERMAL



REV. DESC: NEW	VERSION: 00	TDR: 000000360649
REV. LTR: -	FILE: \AAA\00126\009	REVISED: 17:08:44 04/15/2005
CD0002A04	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, 2-TERMINAL THERMAL, 5 LEADS

CD0002A04