

# ABB BALDOR RELIANCE III

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## Customer information packet

L1410TM

5HP, 1725RPM, 1PH, 60HZ, 184T, 3640LC, OPEN, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	OPEN
<b>Frame</b>	184T
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Cap Start, Cap Run
<b>Output @ Frequency</b>	5.000 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ
<b>Agency Approvals</b>	C UR US
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	23.000 A @ 230.0 V 25.000 A @ 208.0 V
<b>Design Code</b>	L
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	82.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	23.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter

**Part Detail**

<b>Revision</b>	AZ
<b>Type</b>	AC
<b>Mech. spec.</b>	36F009
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	36WGW903
<b>Layout</b>	36LYF009
<b>Eff. date</b>	05-09-2024
<b>CD Diagram</b>	CD0002A04
<b>Poles</b>	04
<b>Leads</b>	2#10 A PH,3#16 B&J
<b>Proprietary</b>	False
<b>Created date</b>	01-01-0001

<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>	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>	Standard
<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>	L1410TM								
<b>SPEC.</b>	36F09W903								
<b>HP</b>	5								
<b>VOLTS</b>	230								
<b>AMP</b>	23								
<b>RPM</b>	1725								
<b>FRAME</b>	184T		<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>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

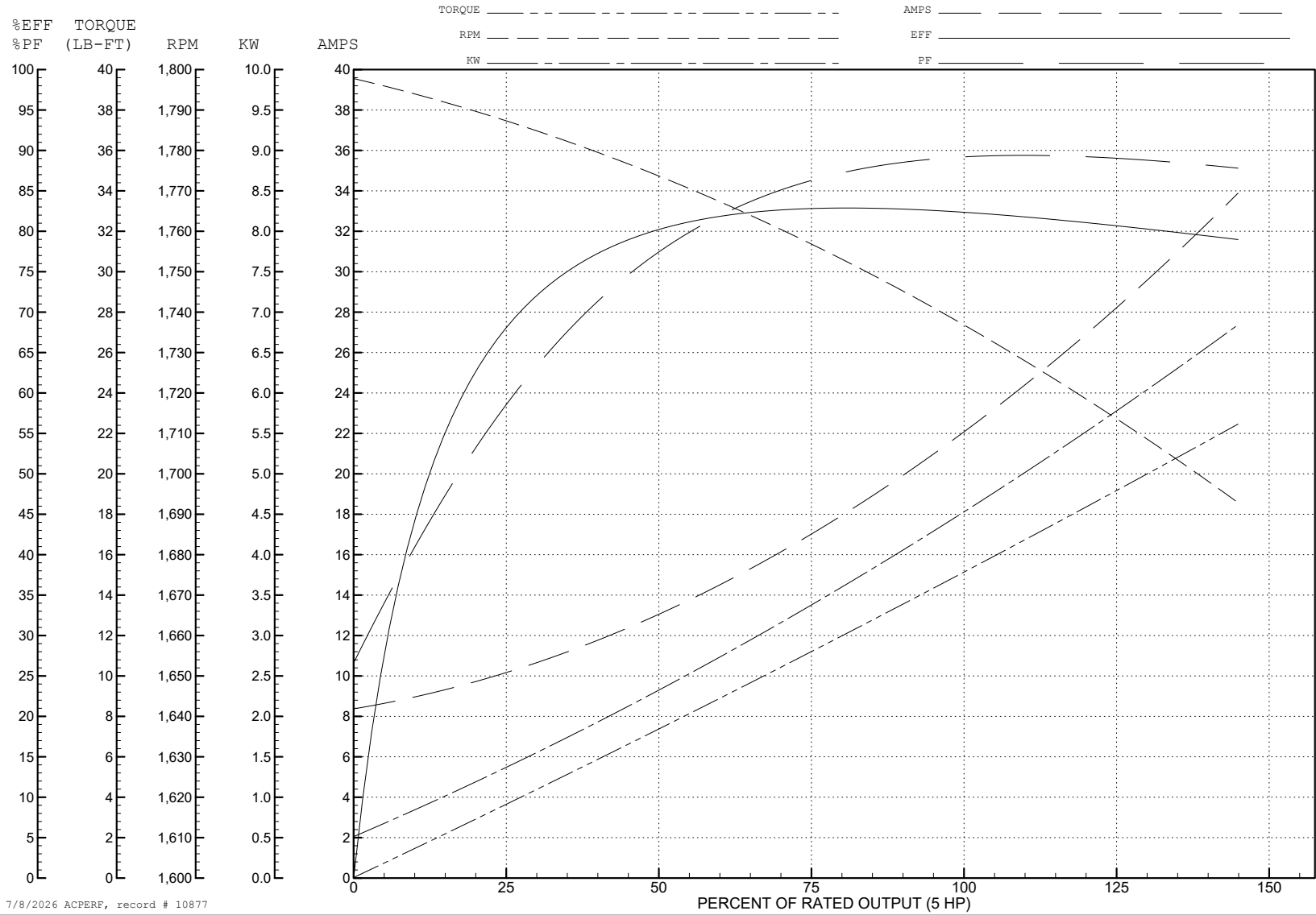
ABB Motors and Mechanical Inc.

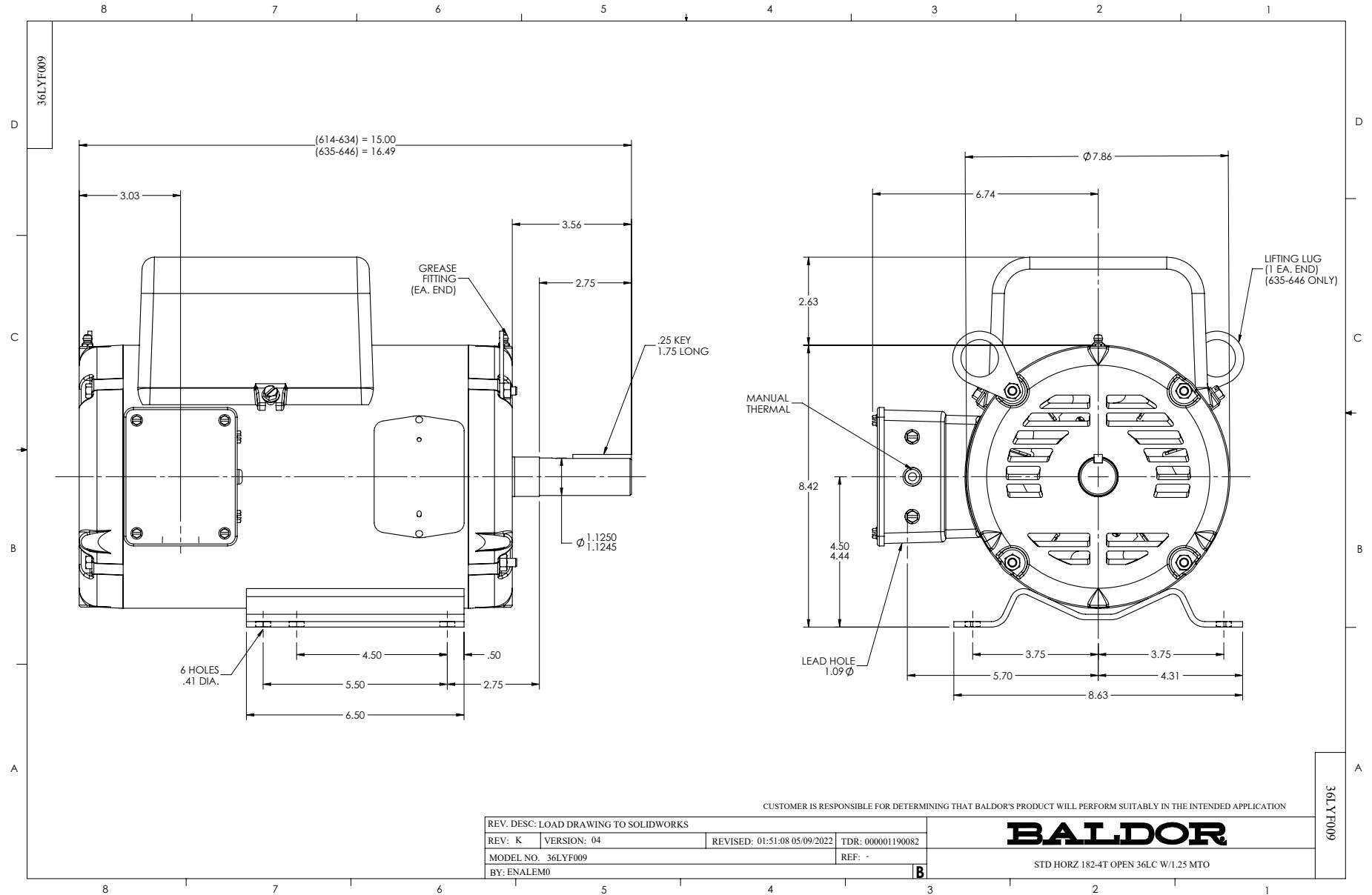
WINDING # 36WGW903

Typical performance - not guaranteed values.

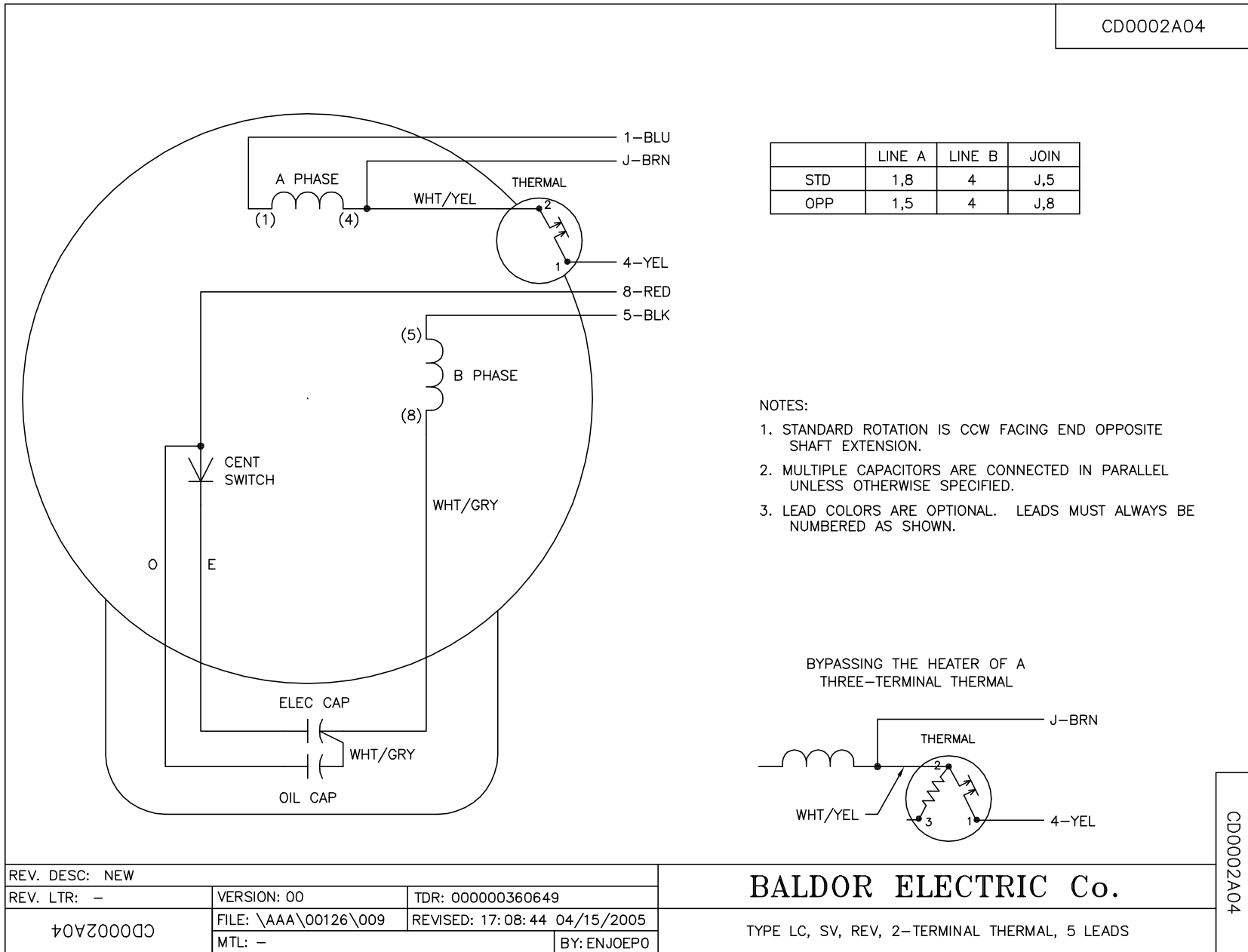
5 HP 1 PH 60 HZ 1725 RPM 230 V 3640LC

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





CD0002A04

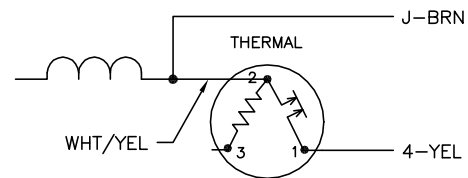


	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

**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