

# **ABB BALDOR RELIANCE III**

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## **Customer information packet**

M1710T

10/5HP, 1760/875RPM, 3PH, 60HZ, 254T, 0940M

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	254T
<b>Frame Material</b>	Iron
<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>	Three Phase
<b>Output @ Frequency</b>	5.000 HP @ 60 HZ 10.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	460.0 V @ 60 HZ
<b>Agency Approvals</b>	UR CSA
<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>	13.000 A @ 460.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<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>	11.3 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter

**Part Detail**

<b>Revision</b>	AK
<b>Type</b>	AC
<b>Mech. spec.</b>	09C101
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	09WGZ144
<b>Layout</b>	09LYC101
<b>Eff. date</b>	10-07-2024
<b>CD Diagram</b>	CD0011
<b>Poles</b>	04/08
<b>Leads</b>	6#12
<b>Proprietary</b>	False
<b>Created date</b>	11-18-2005

<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	6 @ 12 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	0940M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4 8
<b>Overall Length</b>	23.28 IN
<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>	1.625 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>	Shaft Slinger
<b>Speed</b>	1760 rpm 875 rpm
<b>Speed Code</b>	2S-1W-CT
<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>NP1256L</b>										
<b>CAT.NO.</b>	M1710T									
<b>SPEC.</b>	09C101Z144									
<b>HP</b>	10/5									
<b>VOLTS</b>	460									
<b>AMP</b>	13/11.3									
<b>RPM</b>	1760/875									
<b>FRAME</b>	254T		<b>HZ</b>	60		<b>PH</b>	3			
<b>SER.F.</b>	1.15	<b>CODE</b>	H	<b>DES</b>	B	<b>CLASS</b>	F			
<b>NEMA-NOM-EFF</b>		<b>PF</b>								
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>										
<b>DE</b>	6309		<b>ODE</b>	6208						
<b>ENCL</b>	TEFC	<b>SN</b>								

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
09-1309	C FACE KIT	A8

ABB Motors and Mechanical Inc.

WINDING # 09WGZ144

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1774 RPM 460 V 0940M

TORQUES (LB-FT): PO=113 PU=33 LR=67.5 LRA=80.8

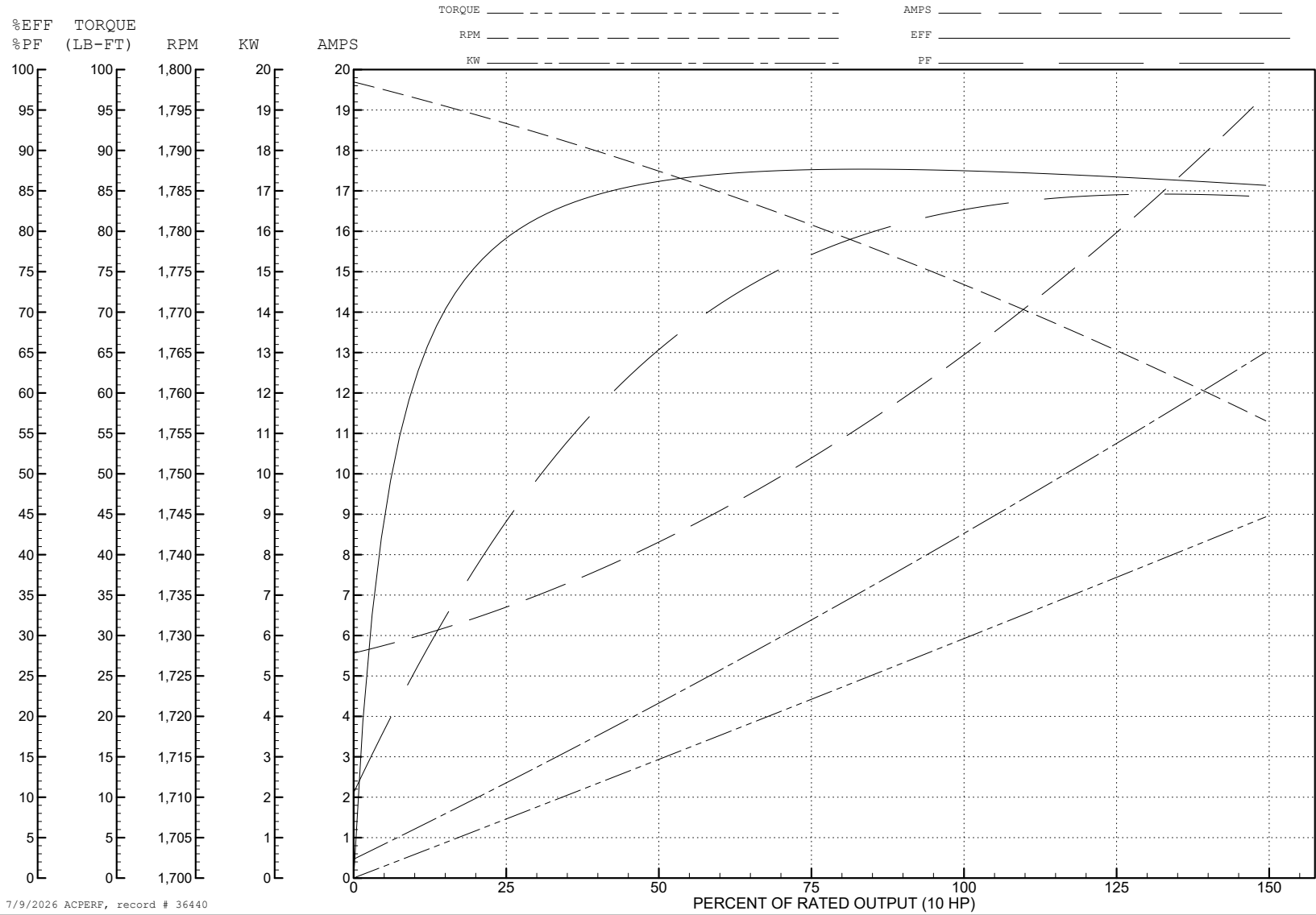


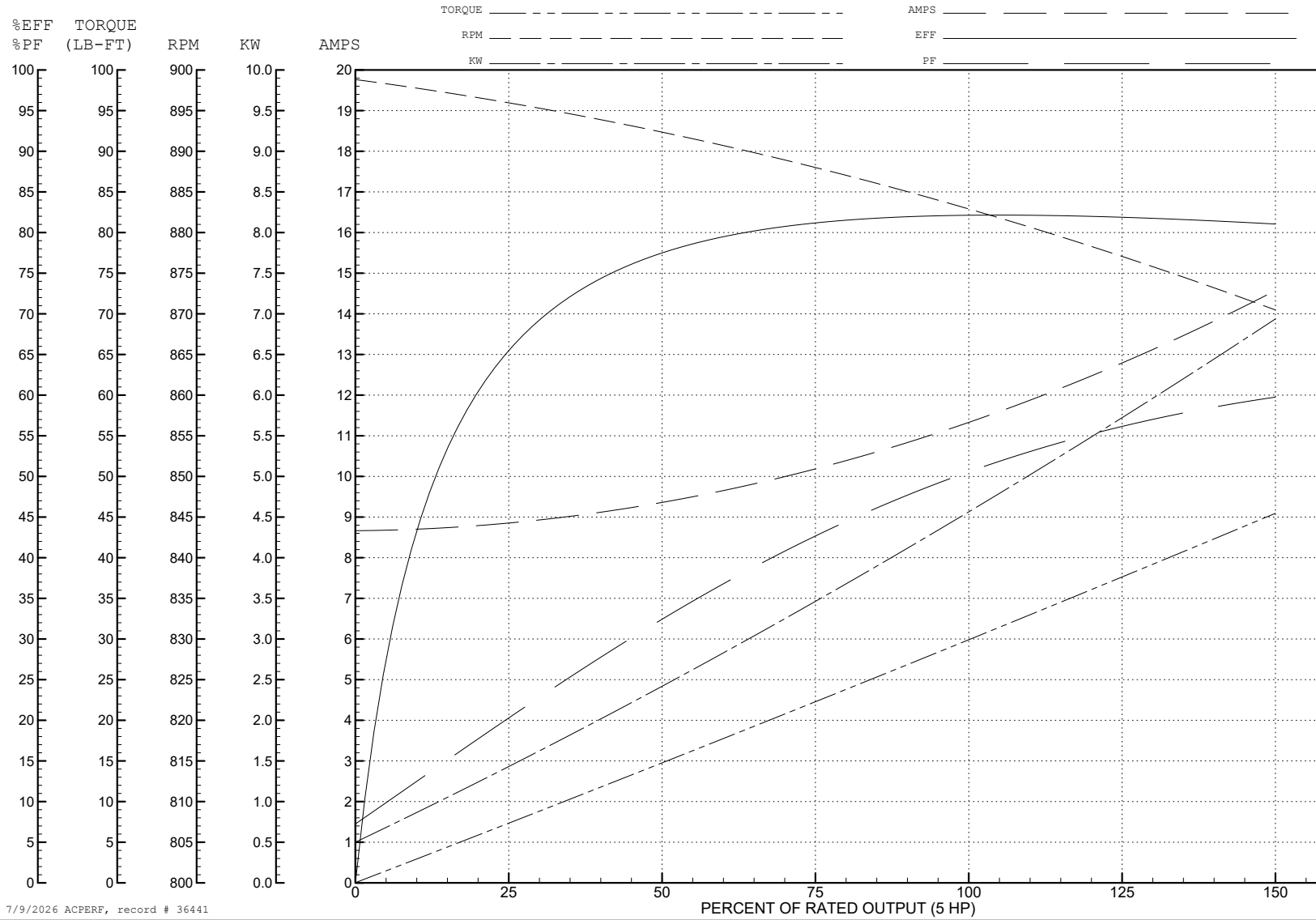
ABB Motors and Mechanical Inc.

WINDING # 09WGZ144

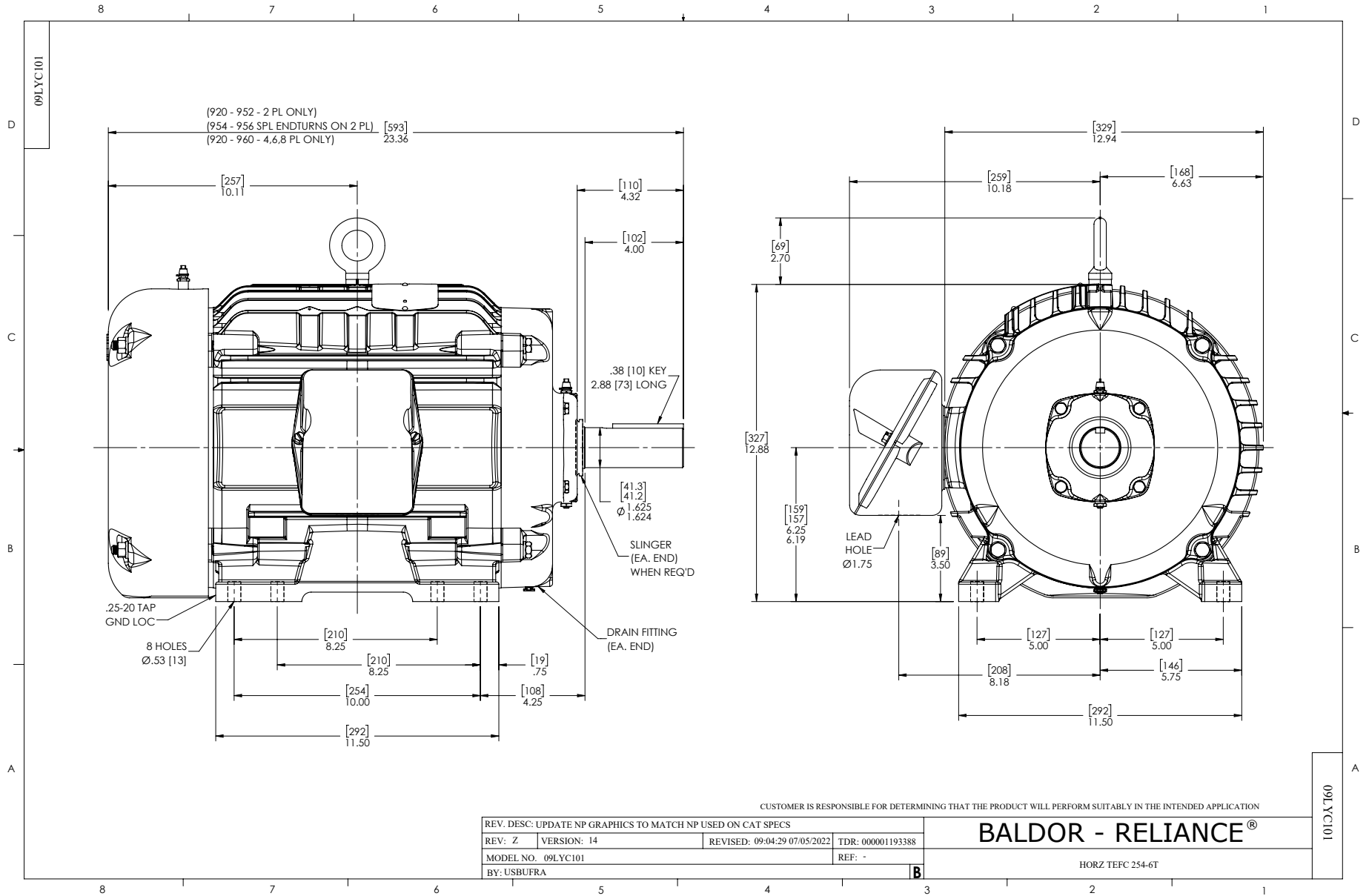
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 883 RPM 460 V 0940M

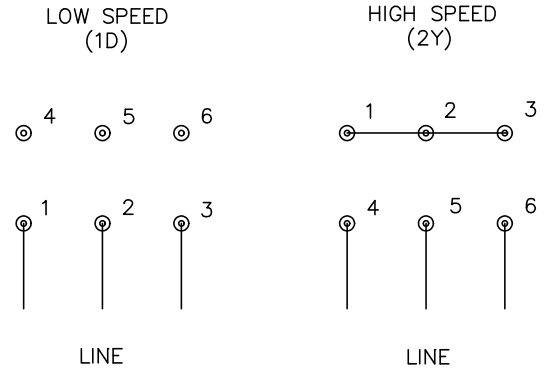
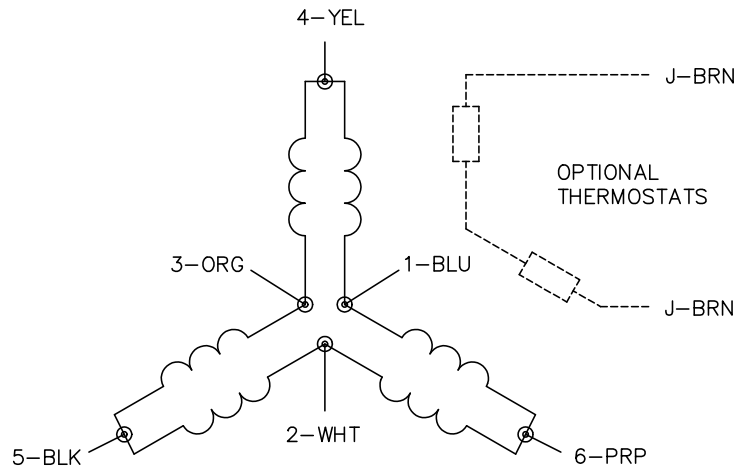
TORQUES (LB-FT): PO=96.3 PU=33.3 LR=58.7 LRA=40.9



7/9/2026 ACPERF, record # 36441



CD0011



**NOTES:**

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0011

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 01/21/99 5:04	TDR: 0171435
110000		FILE: DWG\142.wg	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE