

# ABB BALDOR RELIANCE III

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## Customer information packet

### GNEM3309T

5HP//3.7KW, 1160//955RPM, 3PH, 60//50HZ, 215

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	OPSB
<b>Frame</b>	215T
<b>Frame Material</b>	Steel
<b>Frequency</b>	50.00 Hz 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 3.700 KW @ 50 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1200 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	190.0 V @ 50 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CE WEEE UKCA CURUSEEV IE3 NEMA PREMIUM
<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>	8.600 A @ 380.0 V 7.400 A @ 460.0 V 17.200 A @ 190.0 V

**Part Detail**

<b>Revision</b>	C
<b>Type</b>	AC
<b>Mech. spec.</b>	37F614
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	37WGS521
<b>Layout</b>	37LYF614
<b>Eff. date</b>	05-11-2026
<b>CD Diagram</b>	CD0005
<b>Poles</b>	06
<b>Leads</b>	9#14
<b>Proprietary</b>	False
<b>Created date</b>	09-01-2023

15.200 A @ 208.0 V

14.800 A @ 230.0 V

<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	89.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	7.4 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	K
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	9 @ 14 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3744M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	17.45 IN
<b>Power Factor</b>	71
<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>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.375 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible

<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1160 rpm 955 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>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP4304L</b>										
<b>CAT.NO.</b>	GNEM3309T									
<b>SPEC.</b>	37F614S521G5									
<b>HP</b>	5HP//3.7KW				<b>PH</b>	3				
<b>VOLTS</b>	208-230/460//190/380									
<b>AMPS</b>	15.2-14.8/7.4//17.2/8.6									
<b>R.P.M. (1/MIN)</b>	1160//955				<b>WT.</b>	63KG	<b>KG</b>			
<b>FRAME</b>	215T	<b>HZ</b>	60//50		<b>I.P.</b>	22				
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES.</b>	A	<b>CLASS</b>	F			
<b>NOM.EFF.</b>	89.5//86.5		<b>% (100%)</b>							
<b>P.F.</b>	71	IC01, 10:1 VT								
<b>RATING</b>	40C AMB-S1 CONT				<b>CC</b>	010A				
<b>DE</b>	6307	<b>ODE</b>	6206							
<b>ENCL</b>	OPSB	<b>SN</b>								
	SFA 15.2-8.6/8.3//20/10									
	IE3-50HZ-88.9(75%),87.8(50%)									
	IE3-60HZ-90.1(75%),89.4(50%)									

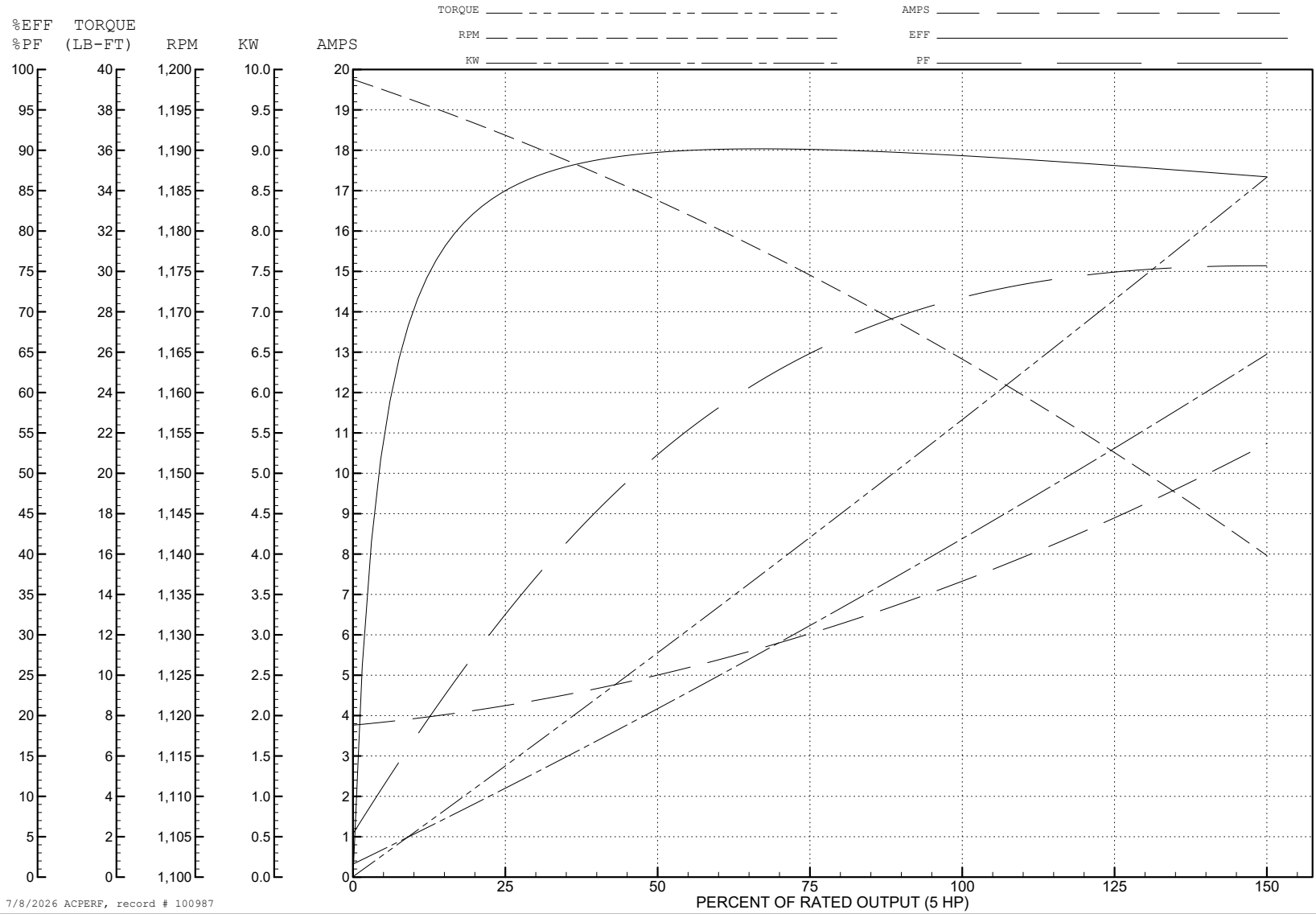
ABB Motors and Mechanical Inc.

WINDING # 37WGS521

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1164.6 RPM 460 V 3744M

TORQUES (LB-FT): PO=77.9 PU=47.4 LR=54.8 LRA=53



7/8/2026 ACPERF, record # 100987

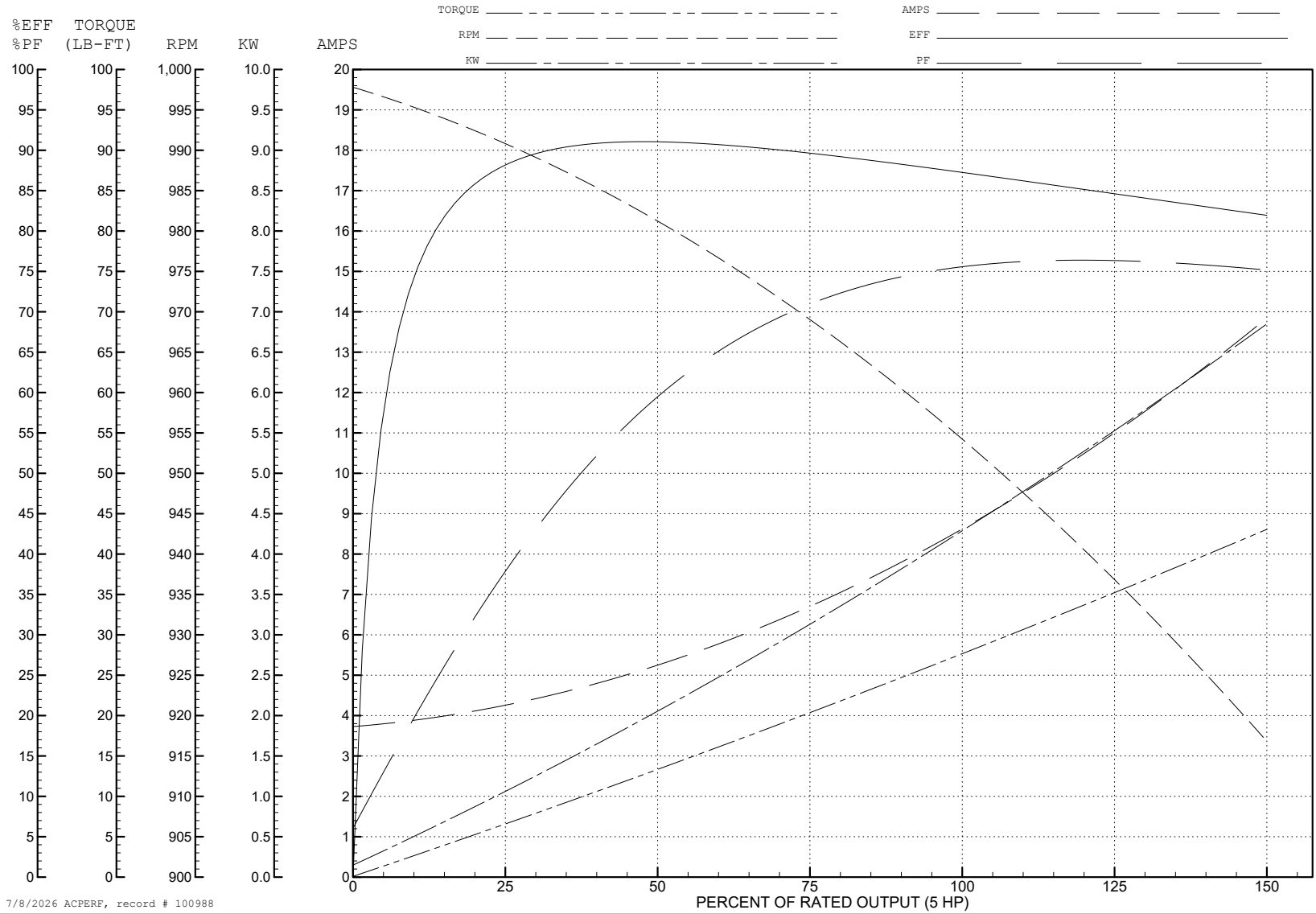
ABB Motors and Mechanical Inc.

WINDING # 37WGS521

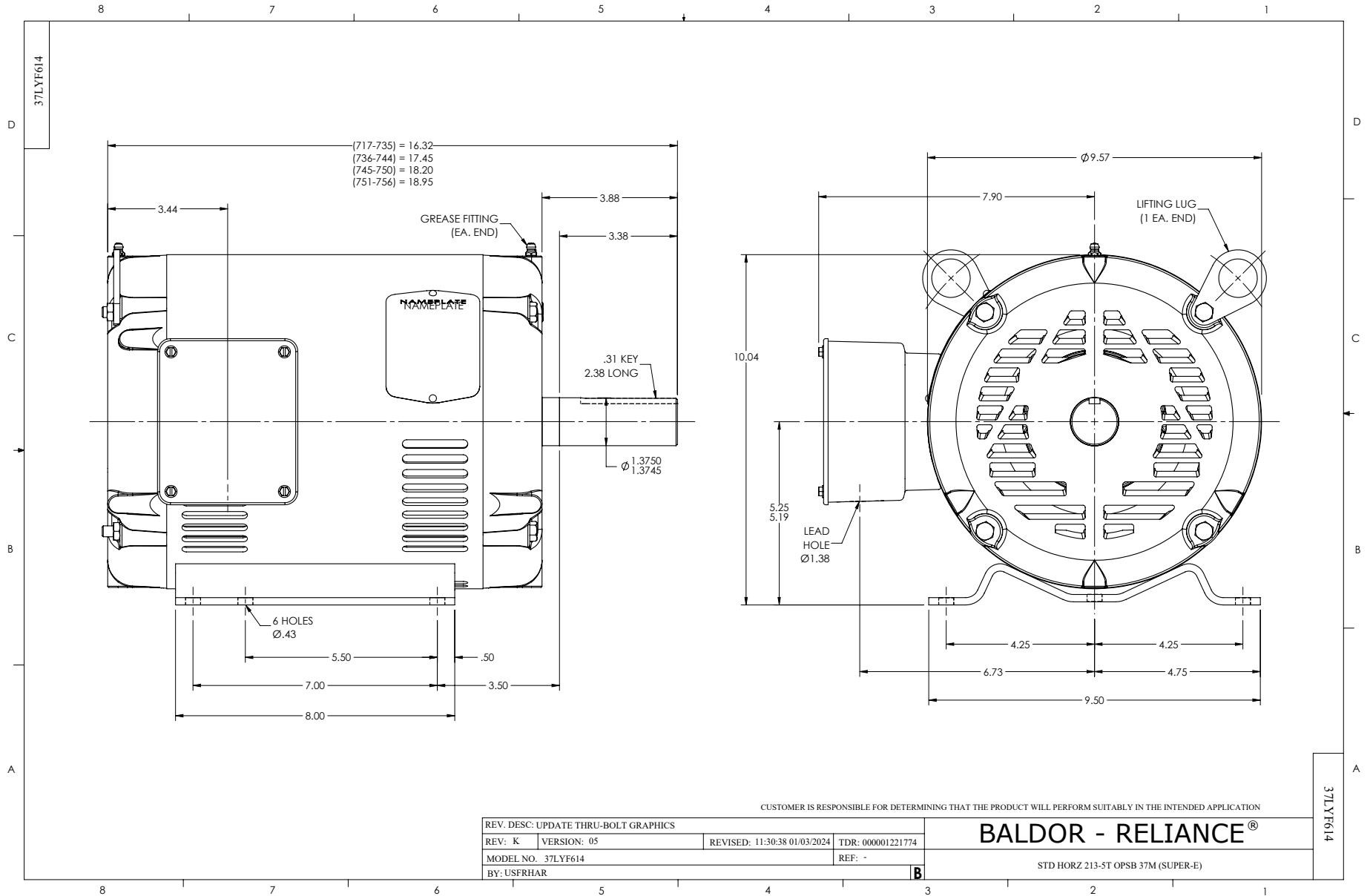
Typical performance - not guaranteed values.

5 HP 3 PH 50 HZ 956 RPM 380 V 3744M

TORQUES (LB-FT): PO=75.1 PU=52.1 LR=60.2 LRA=51.8



7/8/2026 ACPERF, record # 100988



CD0005

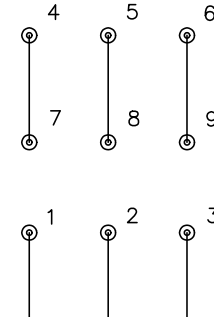


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

**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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS