

# ABB BALDOR RELIANCE III

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## Customer information packet

### GNEM4102T

20HP//15KW, 1180//980RPM, 3PH, 60//50HZ, 286

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	286T
<b>Frame Material</b>	Iron
<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>	20.000 HP @ 60 HZ 15.000 KW @ 50 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1200 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	208.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	WEEE UKCA NEMA PREMIUM (OLD LOGO) NEMA PREMIUM IE3 CURUSEEV CE
<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>	66.000 A @ 190.0 V 58.000 A @ 230.0 V

**Part Detail**

<b>Revision</b>	B
<b>Type</b>	AC
<b>Mech. spec.</b>	10C151
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	10WGZ615
<b>Layout</b>	10LYC151
<b>Eff. date</b>	01-07-2026
<b>CD Diagram</b>	CD0180
<b>Poles</b>	06
<b>Leads</b>	9#10
<b>Proprietary</b>	False
<b>Created date</b>	09-20-2023

58.000 A @ 208.0 V

33.000 A @ 380.0 V

29.000 A @ 460.0 V

<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	91.7 %
<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>	29.0 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>	Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	9 @ 10 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1064M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	27.76 IN
<b>Power Factor</b>	70
<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>	1.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding

<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1180 rpm 980 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>	GNEM4102T									
<b>SPEC.</b>	10C151Z615G1									
<b>HP</b>	20HP//15KW				<b>PH</b>	3				
<b>VOLTS</b>	208-230/460//190/380									
<b>AMPS</b>	58/29//66/33									
<b>R.P.M. (1/MIN)</b>	1180//980				<b>WT.</b>	205KG	<b>KG</b>			
<b>FRAME</b>	286T	<b>HZ</b>	60//50		<b>I.P.</b>	54				
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES.</b>	A	<b>CLASS</b>	F			
<b>NOM.EFF.</b>	91.7//91.2		<b>% (100%)</b>							
<b>P.F.</b>	70	IC411, 10:1 VT								
<b>RATING</b>	40C AMB-S1 CONT				<b>CC</b>	010A				
<b>DE</b>	6311	<b>ODE</b>	6309							
<b>ENCL</b>	TEFC	<b>SN</b>								
	SFA 66/33//74/37									
	IE3-50HZ 90.9(75%), 89.6(50%)									
	IE3-60HZ 90.8(75%), 88.8(50%)									

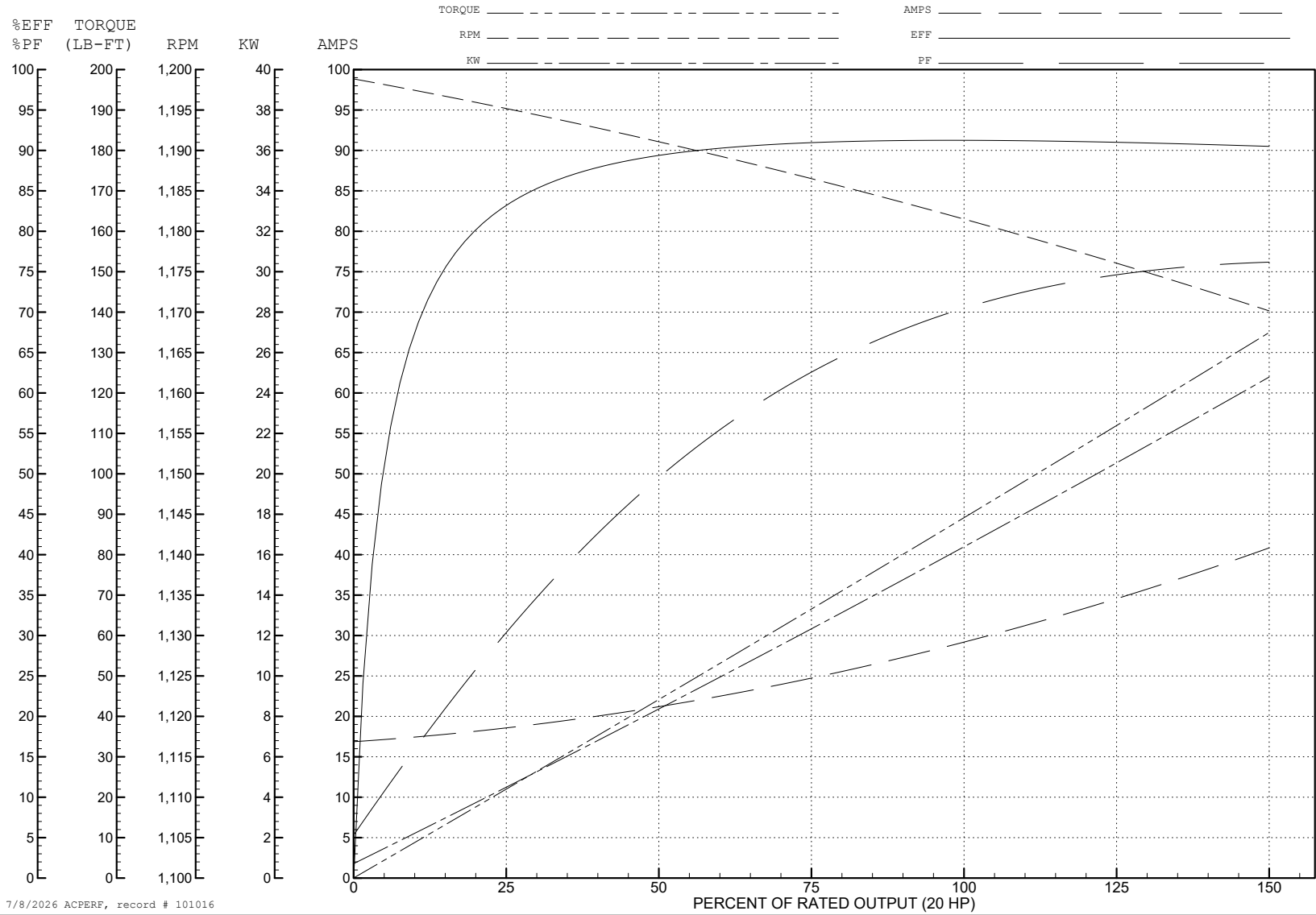
ABB Motors and Mechanical Inc.

WINDING # 10WGZ615

Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 1182 RPM 460 V 1064M

TORQUES (LB-FT): PO=343 PU=141 LR=203 LRA=205



7/8/2026 ACPERF, record # 101016

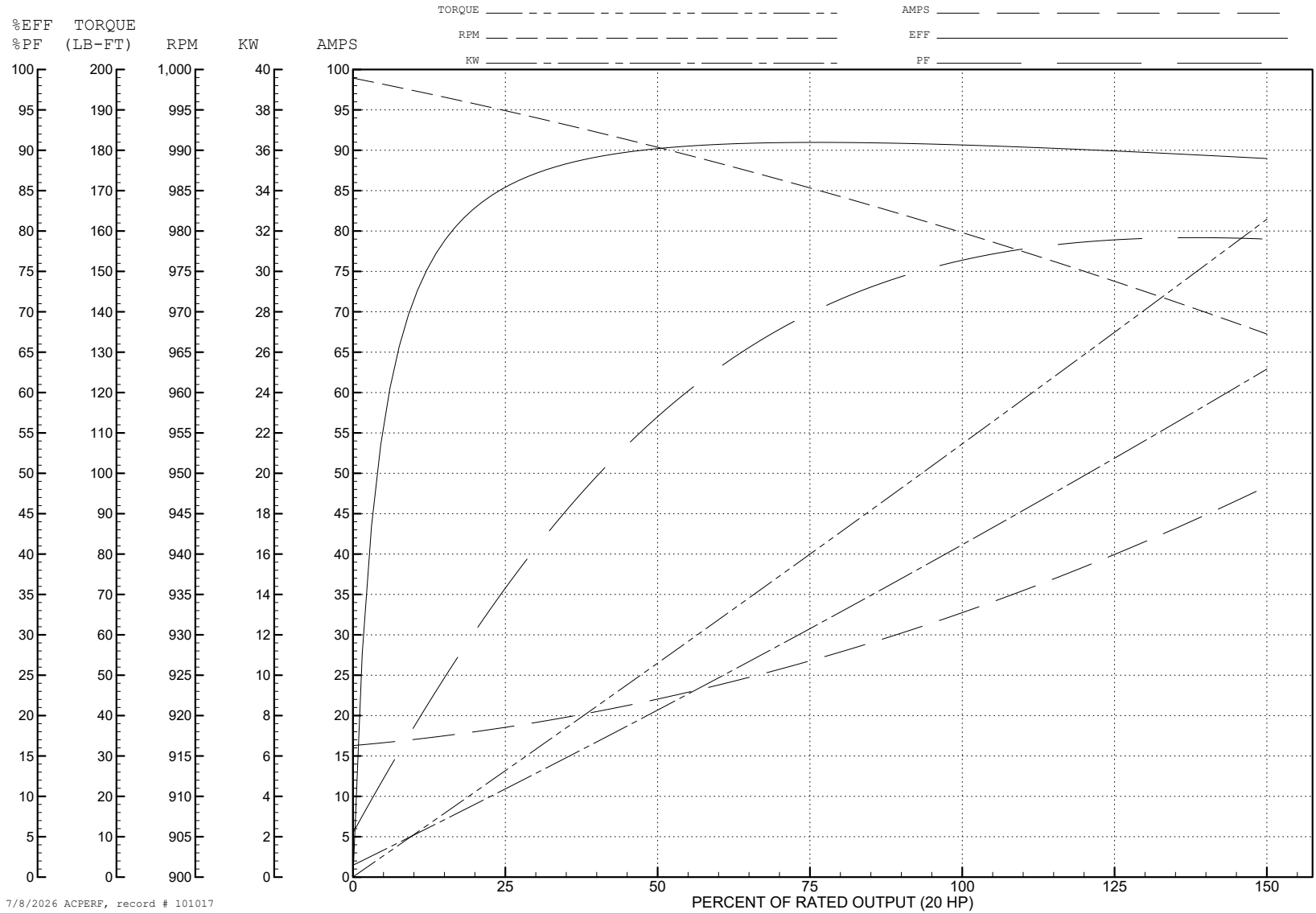
ABB Motors and Mechanical Inc.

WINDING # 10WGZ615

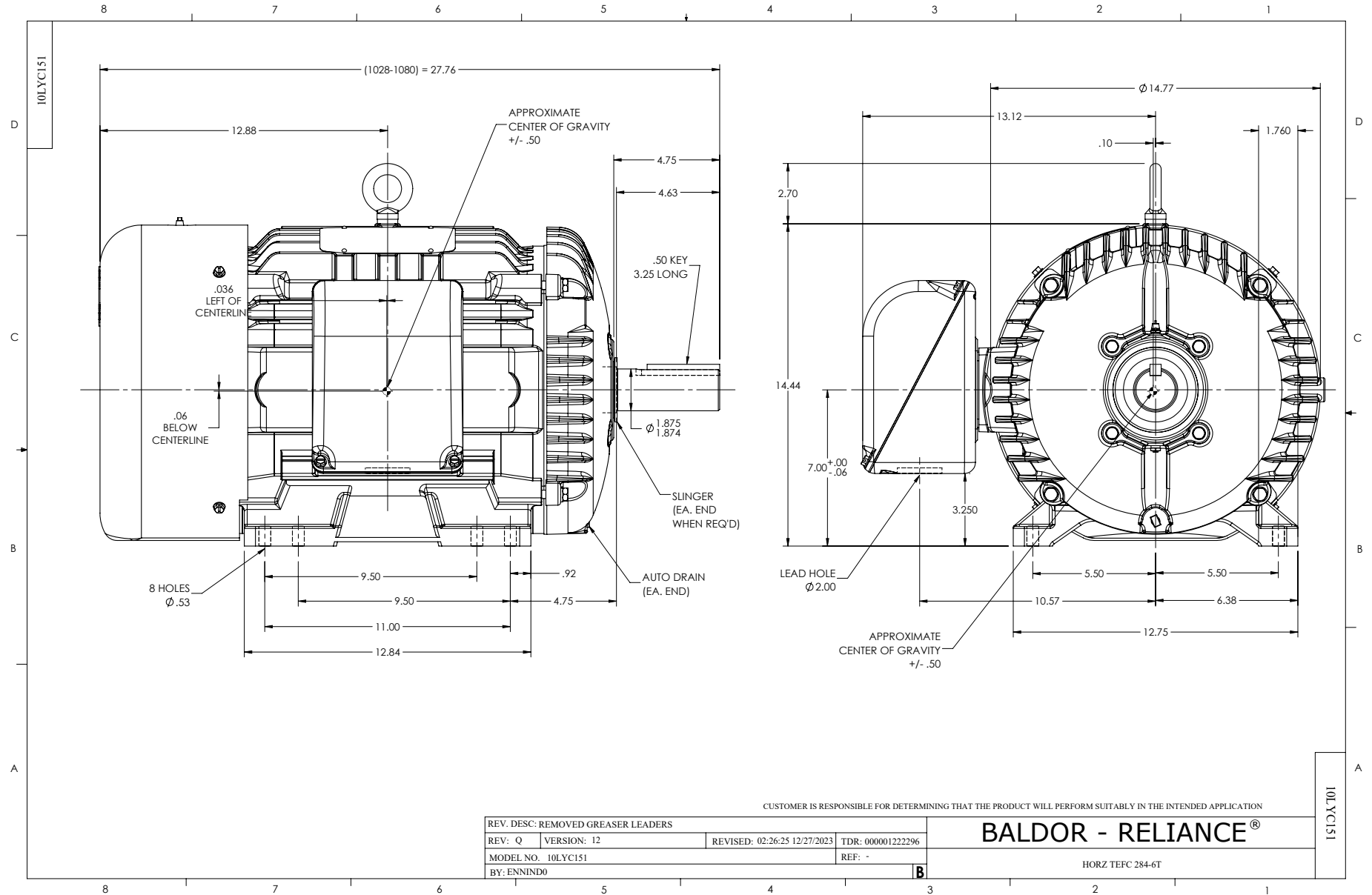
20 HP 3 PH 50 HZ 980 RPM 380 V 1064M

Typical performance - not guaranteed values.

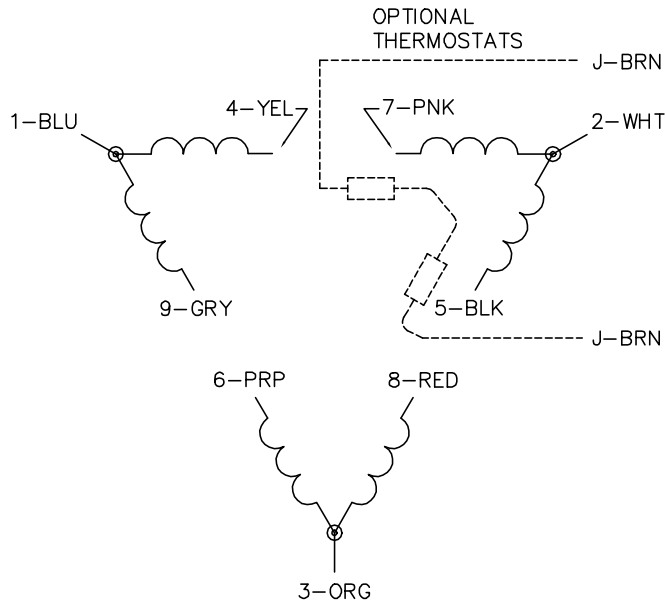
TORQUES (LB-FT): PO=330 PU=145 LR=209 LRA=199



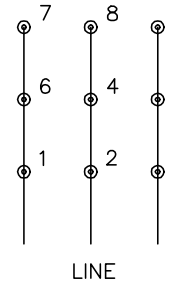
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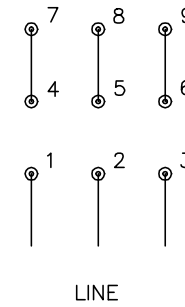
CD0180



LOW VOLTAGE  
(2D)



HIGH VOLTAGE  
(1D)



**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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10: 25: 29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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