

# ABB BALDOR RELIANCE III

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## Customer information packet

EM4104T-8

30HP, 1770RPM, 3PH, 60HZ, 286T, 1056M, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	286T
<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>	30.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	200.0 V @ 60 HZ
<b>Agency Approvals</b>	NEMA PREMIUM CURUSEEV NEMA PREMIUM (OLD LOGO)
<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>	84.000 A @ 200.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	93.6 %
<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>	84.0 a
<b>Insulation Class</b>	F

**Part Detail**

<b>Revision</b>	Z
<b>Type</b>	AC
<b>Mech. spec.</b>	10C151
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	10WGY760
<b>Layout</b>	10LYC151
<b>Eff. date</b>	03-30-2026
<b>CD Diagram</b>	CD0695
<b>Poles</b>	04
<b>Leads</b>	6#6
<b>Proprietary</b>	False
<b>Created date</b>	04-29-2010

<b>Inverter Code</b>	Inverter Ready
<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 @ 6 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1056M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	27.76 IN
<b>Power Factor</b>	83
<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 NON-COMPLIANT
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.875 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>	1770 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Part Winding
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP3443L**

<b>CAT.NO.</b>	EM4104T-8	<b>CUST. P/N</b>				<b>ENCL</b>	TEFC
<b>SPEC.</b>	10C151Y760G1	<b>CC</b>	010A	<b>FRAME</b>	286T	<b>SER.NO.</b>	
<b>HP</b>	30	<b>CLASS</b>	F	<b>HZ</b>	60		
<b>R.P.M.</b>	1770	<b>PH</b>	3	<b>DES</b>	A		
<b>VOLTS</b>	200	<b>CODE</b>	H	<b>ODE BRG</b>	6309	<b>DE BRG</b>	6311
<b>AMPS</b>	84						
<b>RATING</b>	40C AMB-CONT	<b>NEMA NOM. EFF.</b>		93.6	<b>GREASE</b>	POLYREX EM	
<b>P.F.</b>	83	<b>SER.F.</b>	1.15	<b>VPWM INVERTER READY</b>			
<b>HTR-VOLTS</b>		<b>HTR-AMPS</b>		<b>HTR-WATTS</b>			

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

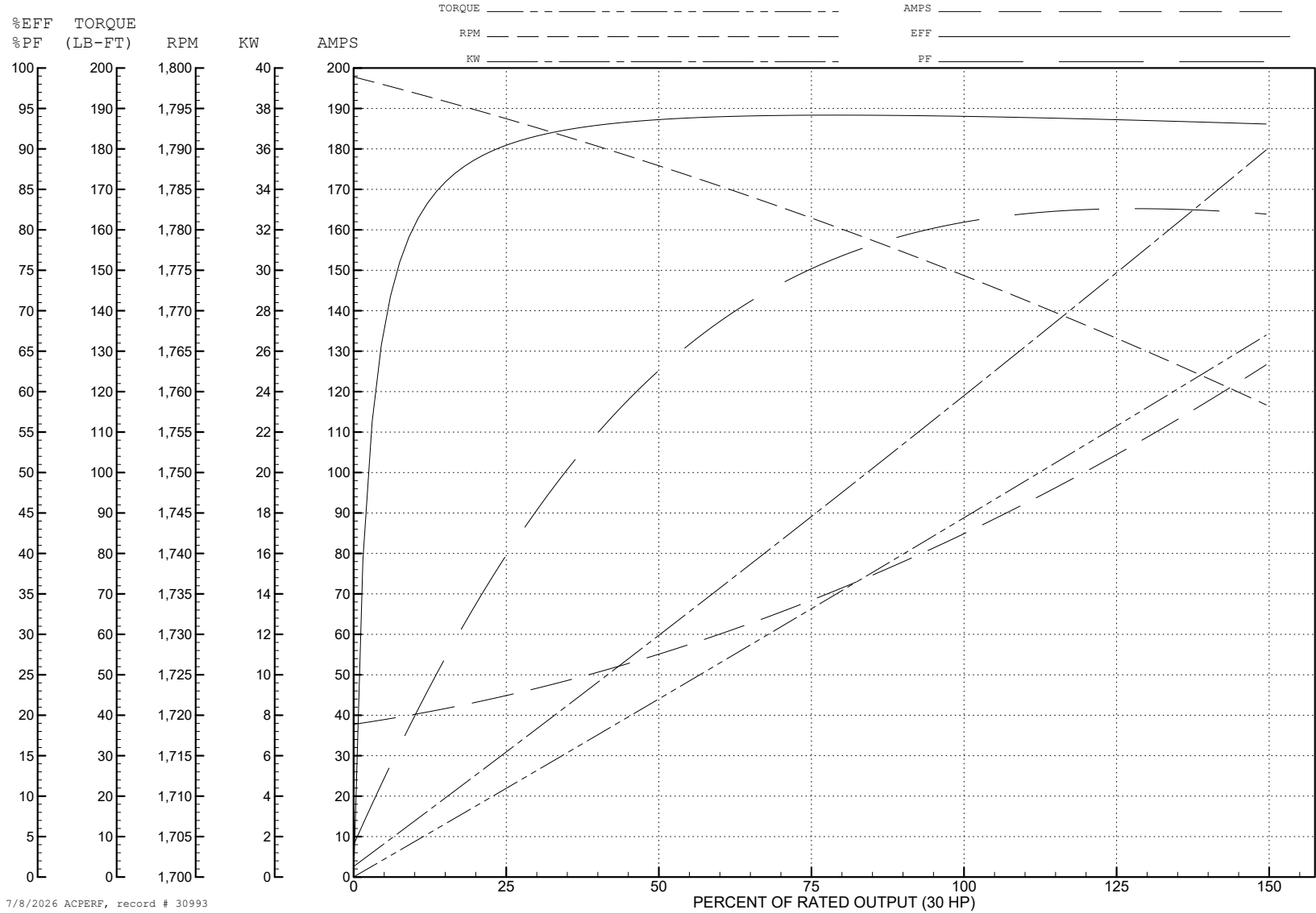
ABB Motors and Mechanical Inc.

WINDING # 10WGY760

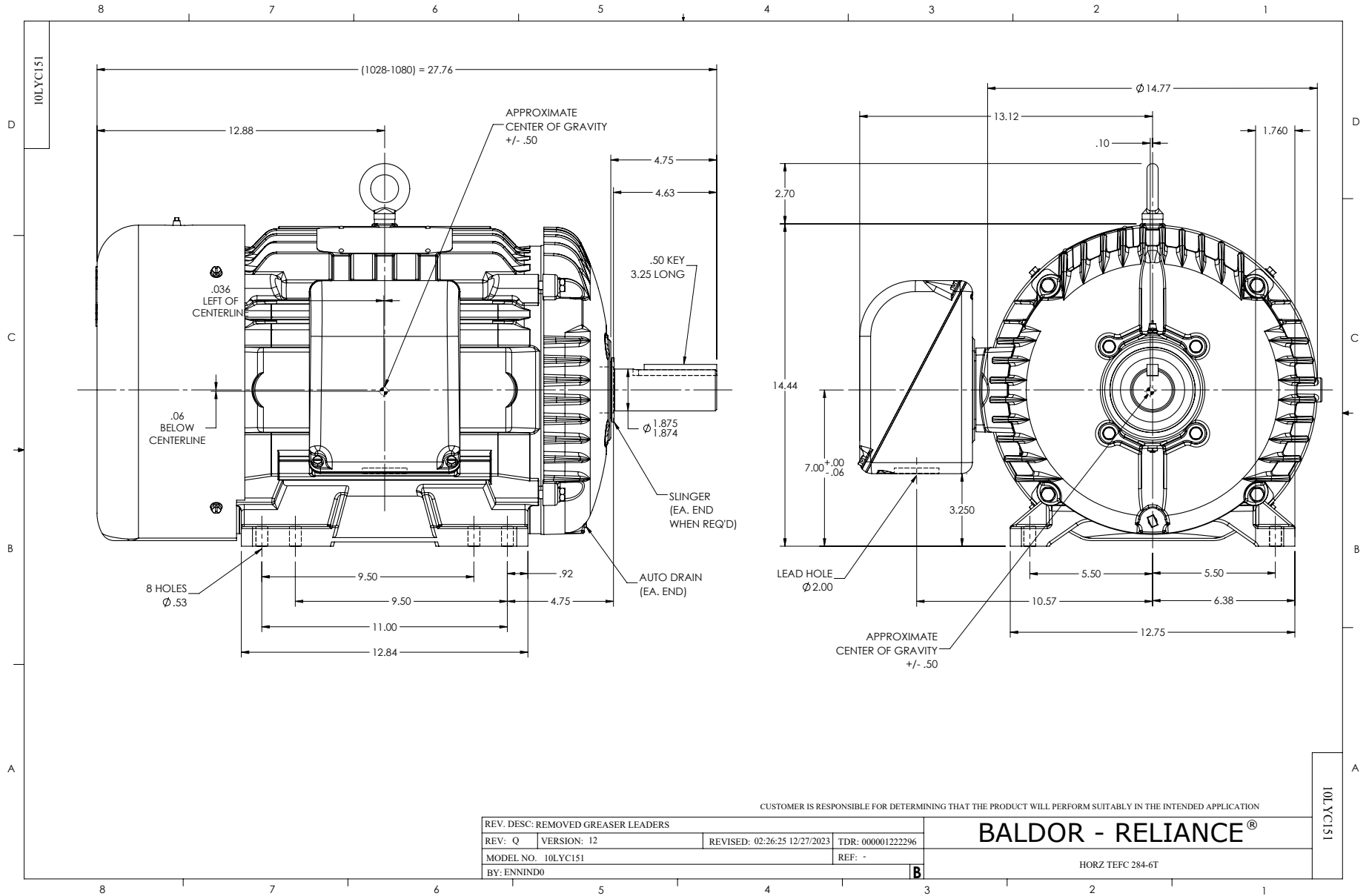
Typical performance - not guaranteed values.

30 HP 3 PH 60 HZ 1770 RPM 200 V 1056M

TORQUES (LB-FT): PO=279 PU=133 LR=151 LRA=560



7/8/2026 ACPERF, record # 30993



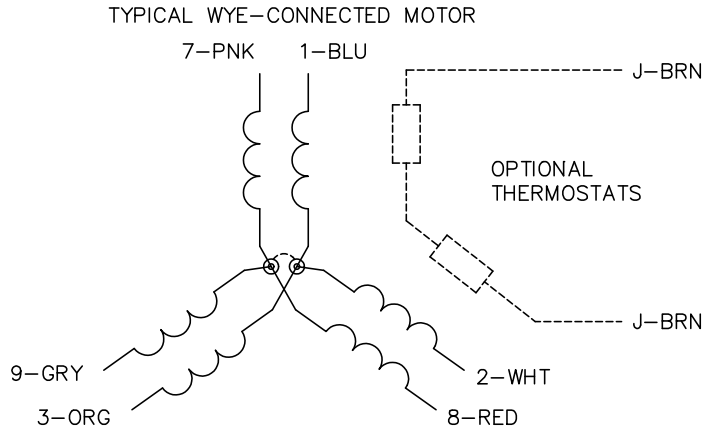
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. Q	VERSION: 12	REVISED: 02:26:25 12/27/2023	TDR: 000001222296
MODEL NO. 10LYC151		REF: -	
BY: ENNIND0		B	

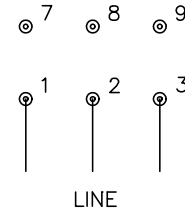
**BALDOR - RELIANCE®**

HORZ TEFC 284-6T

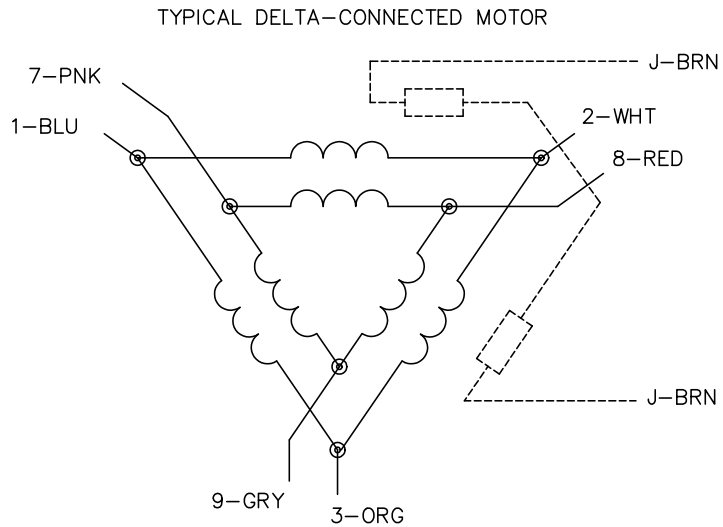
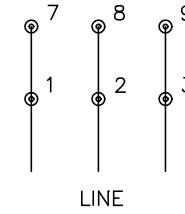
CD0695



START CONNECTION



RUN CONNECTION



NOTES:

1. MOTOR MAY BE WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0695

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: C BY: JLP REVISED: 01/21/99 3:19 TDR: 0171435

S69000

FILE: AAA00005151

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, PART WINDING START