

# **ABB BALDOR RELIANCE III**

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## **Customer information packet**

### CEM7170T-I

10//7.5HP, 1765//1465RPM, 3PH, 60//50HZ, 215

Class - CLI GP C,D

Division - Division I

**Specifications**

<b>Enclosure</b>	XPFC
<b>Frame</b>	215TC
<b>Frame Material</b>	Iron
<b>Frequency</b>	50.00 Hz 60.00 Hz
<b>Haz Area Class and Group</b>	CLI GP C,D
<b>Haz Area Division</b>	Division I
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	10.000 HP @ 60 HZ 7.500 HP @ 50 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1500 RPM @ 50 HZ
<b>Voltage @ Frequency</b>	380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA EEV CSA UL UR
<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 @ 190.0 V 24.600 A @ 230.0 V 12.300 A @ 460.0 V 11.500 A @ 380.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover

**Part Detail**

<b>Revision</b>	T
<b>Type</b>	AC
<b>Mech. spec.</b>	07J232
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	07WGX598
<b>Layout</b>	07LYJ232
<b>Eff. date</b>	02-21-2024
<b>CD Diagram</b>	CD0005
<b>Poles</b>	04
<b>Leads</b>	9#14
<b>Proprietary</b>	False
<b>Created date</b>	08-04-2010

<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	92.4 %
<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>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	11.5 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	J
<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>	9 @ 14 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	X0750M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	20.78 IN
<b>Power Factor</b>	81
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Sealed Bearing
<b>Pulley Face Code</b>	C-Face
<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>	1.375 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>	1465 rpm 1765 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>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP0977XPSLEV</b>										
<b>NO.</b>							<b>CC</b>	010A		
<b>SER.</b>							<b>TEMP CODE</b>	T3C		
<b>SPEC.</b>	07J232X598G2									
<b>CAT.NO.</b>	CEM7170T-I									
<b>HP</b>	10//7.5									
<b>VOLTS</b>	230/460//190/380									
<b>AMPS</b>	24.6/12.3//23/11.5									
<b>RPM</b>	1765//1465			<b>MOTOR WEIGHT</b>		252				
<b>HERTZ</b>	60//50	<b>PH</b>	3	<b>CL</b>	F	<b>DE BRG</b>	6307			
<b>SER.F.</b>	1.15	<b>DES</b>	A	<b>CODE</b>	J	<b>ODE BRG</b>	6206			
<b>FRAME</b>	215TC	<b>GREASE</b>	POLYREX EM							
<b>RATING</b>	40C AMB-CONT 55C AMB AT 1.0 SF									
	<b>NEMA-NOM-EFF</b>				92.4	<b>PF</b>	81			
	NEMA MG-1 PT 5,IP55									

ABB Motors and Mechanical Inc.

WINDING # 07WGX598

Typical performance - not guaranteed values.

7.5 HP 3 PH 50 HZ 1468 RPM 380 V 0750M

TORQUES (LB-FT): PO=90 PU=58.1 LR=64.4 LRA=92.9

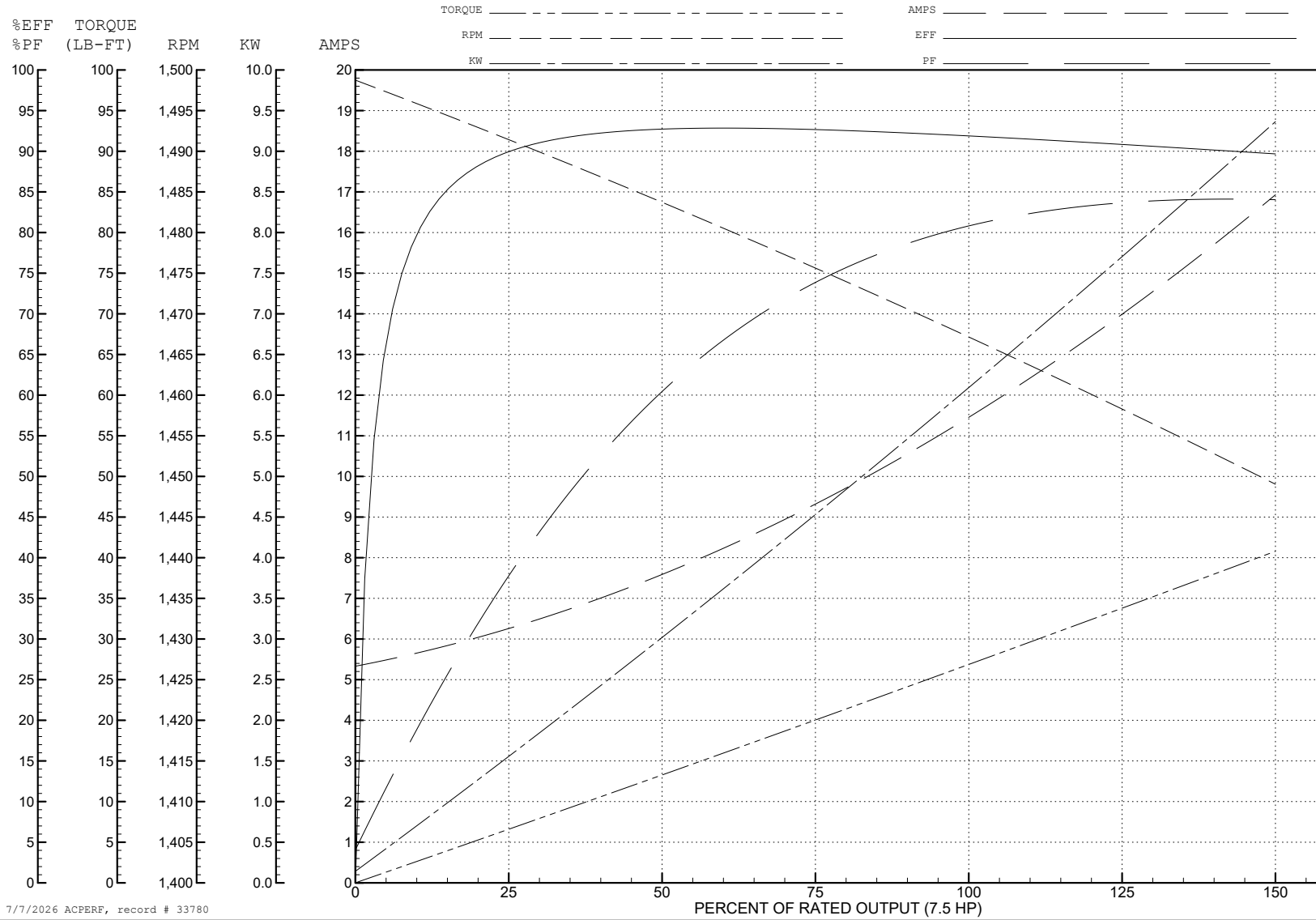


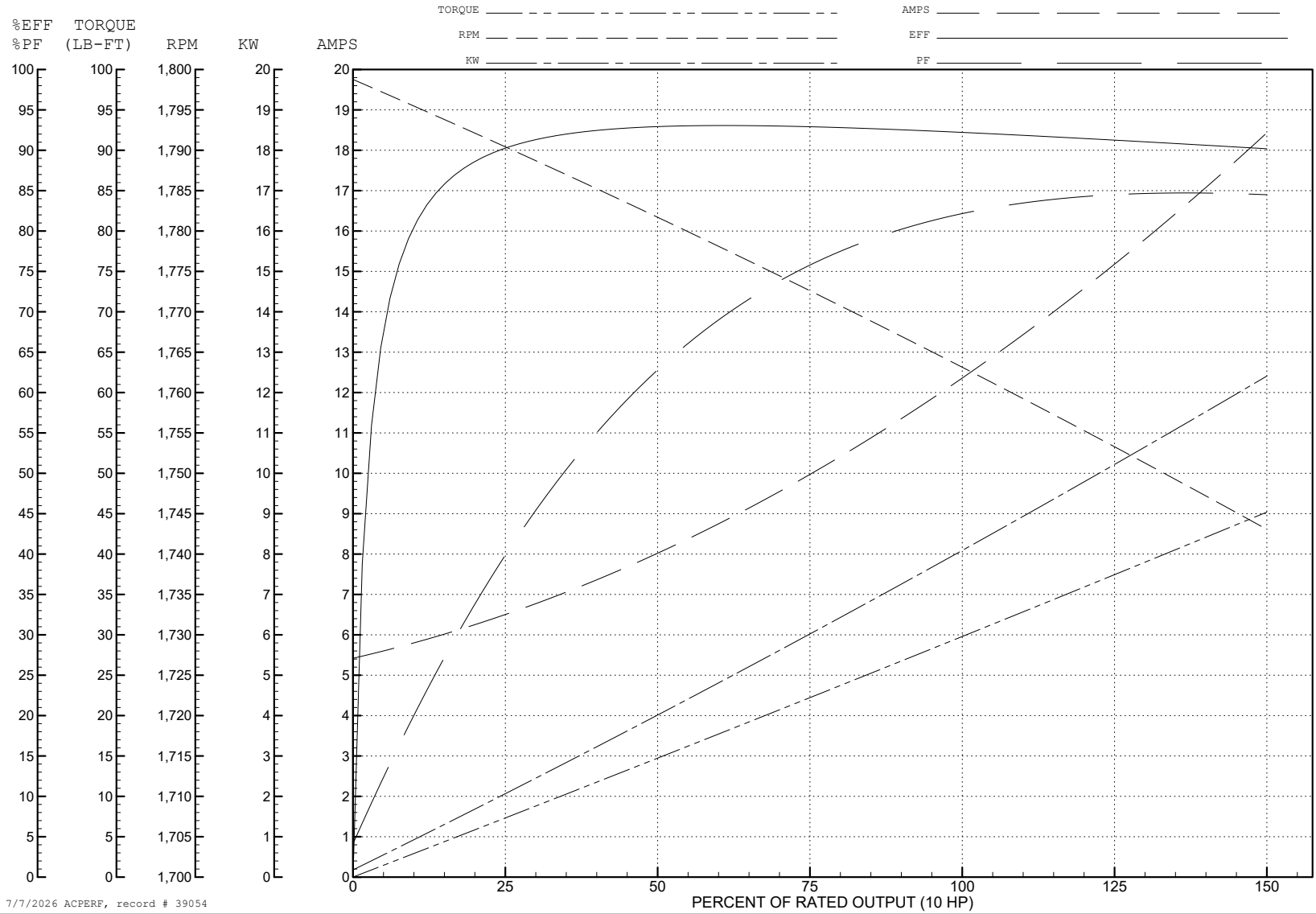
ABB Motors and Mechanical Inc.

WINDING # 07WGX598

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1764 RPM 460 V 0750M

TORQUES (LB-FT): PO=94.2 PU=56.3 LR=62.4 LRA=95.7



7/7/2026 ACPERF, record # 39054

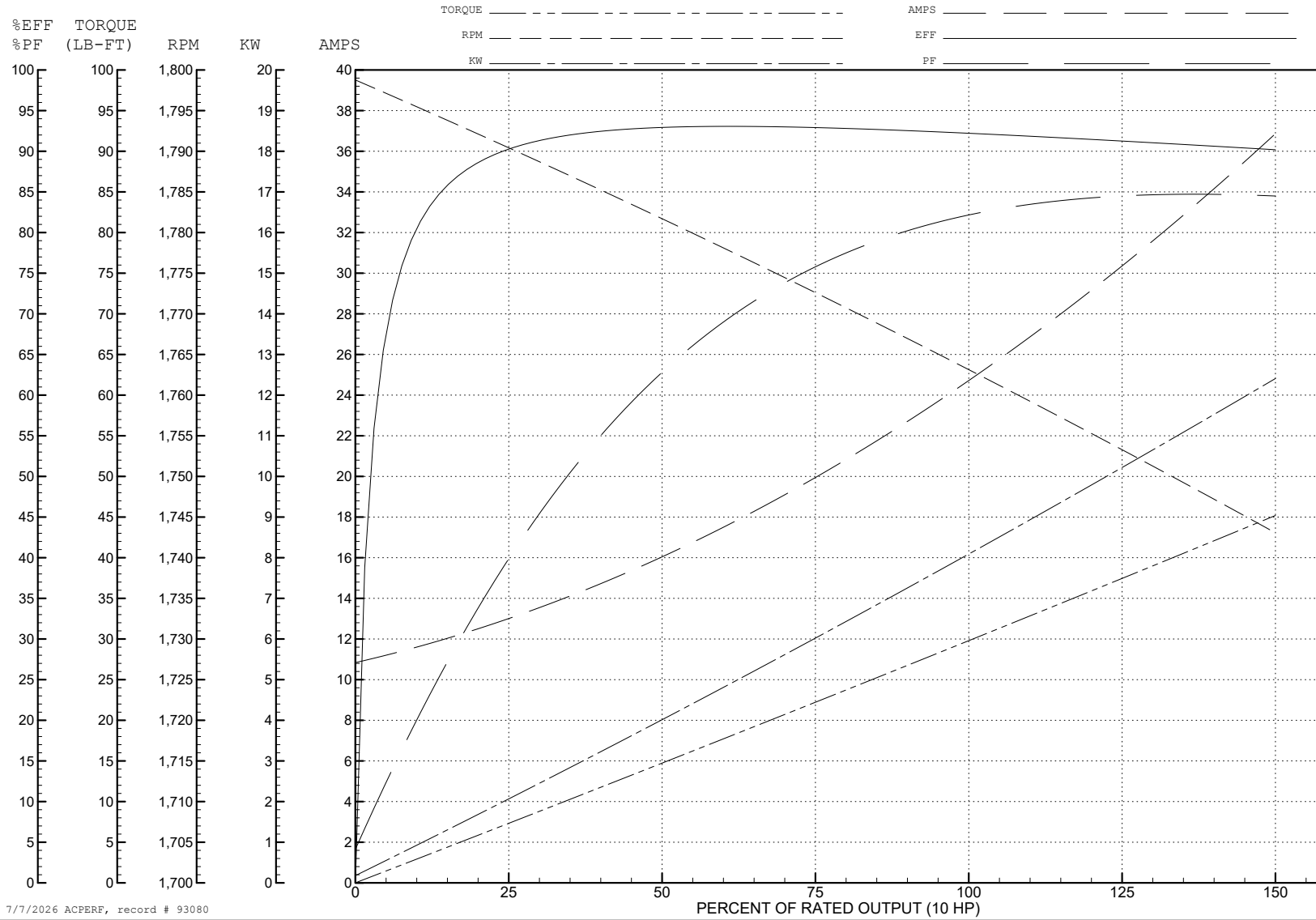
ABB Motors and Mechanical Inc.

WINDING # 07WGX598

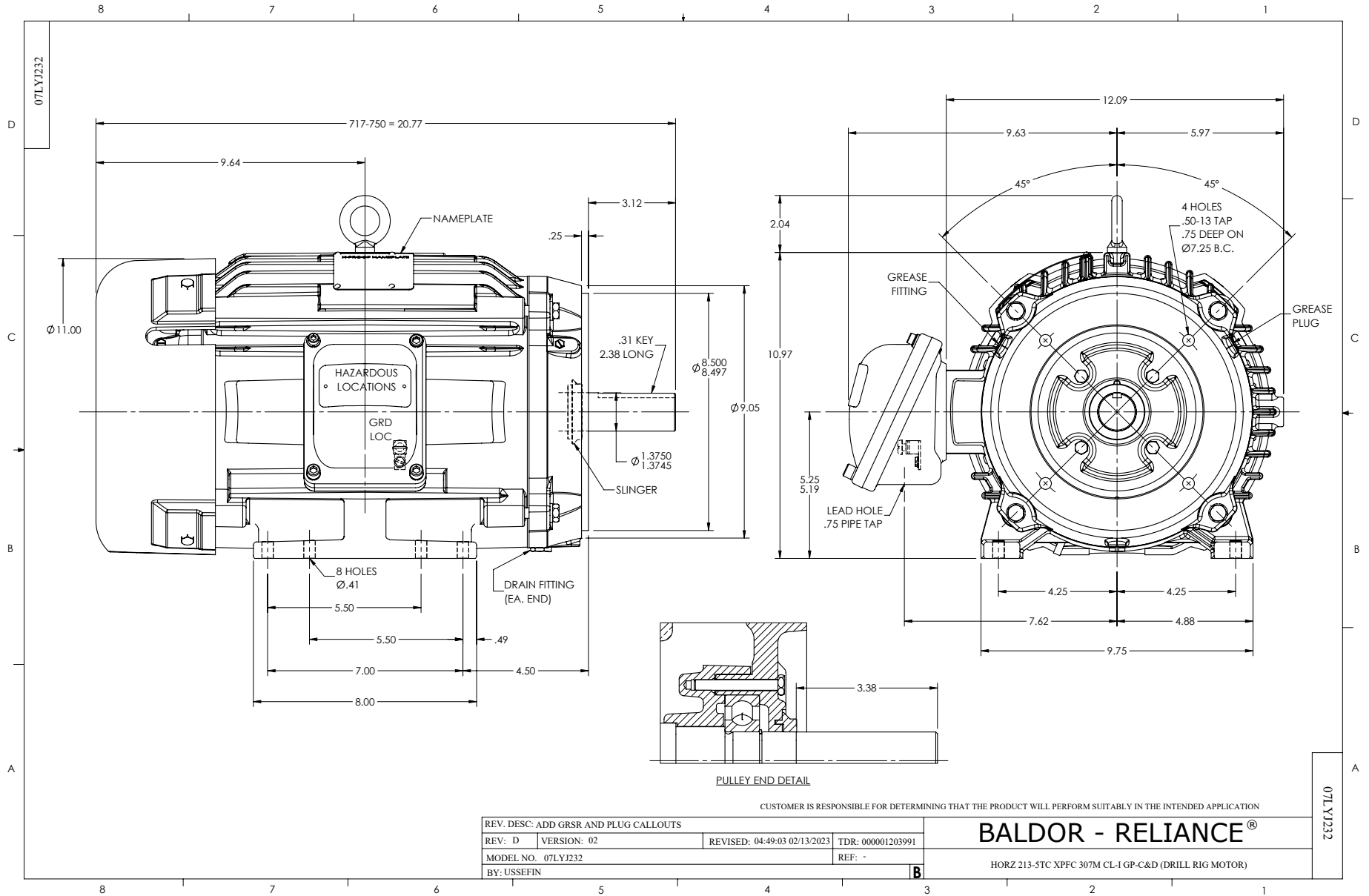
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1765 RPM 230 V 0750M

TORQUES (LB-FT): PO=94.2 PU=56.3 LR=62.4 LRA=191



7/7/2026 ACPERF, record # 93080



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