

ABB BALDOR RELIANCE III

Customer information packet

XM25225T-G

20HP, 3510RPM, 3PH, 60HZ, 256T, 0954M, XPFC, F1

Class - CLI GP C,D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	256T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	22.000 A @ 460.0 V 44.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

Revision	M
Type	AC
Mech. spec.	09N170
Base	
Status	PRD/A
Elec. spec.	09WGT095
Layout	09LYN170
Eff. date	11-14-2023
CD Diagram	CD0005
Poles	02
Leads	9#10
Proprietary	False
Created date	03-27-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	22.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0954M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	25.50 IN
Power Factor	91
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3510 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1

None

Winding Thermal 2

None

Nameplate

NP0681XPSLEV

NO.		CC	010A				
S/N		TEMP CODE	T3C				
SPEC.	09N170T095G1	INV.TYPE	PWM				
CAT.NO.	XM25225T-G	C HP FR	60	C HP TO	90		
HP	20	CT HZ FROM	6	CT HZ TO	60		
VOLTS	230/460	VT HZ FROM	6	VT HZ TO	60		
AMPS	44/22	MAG CUR	10/5				
RPM	3510	MX RPM	5400				
HZ	60	PH	3	CL	F	NOM.EFF.	91
SER.F.	1.00	DES	B	SL HZ	1.5	WK2	1.38
FRAME	256T	RATING	40C AMB-CONT				
	INVERTER OPERATION ONLY						
	1.15SF ON SINEWAVE						

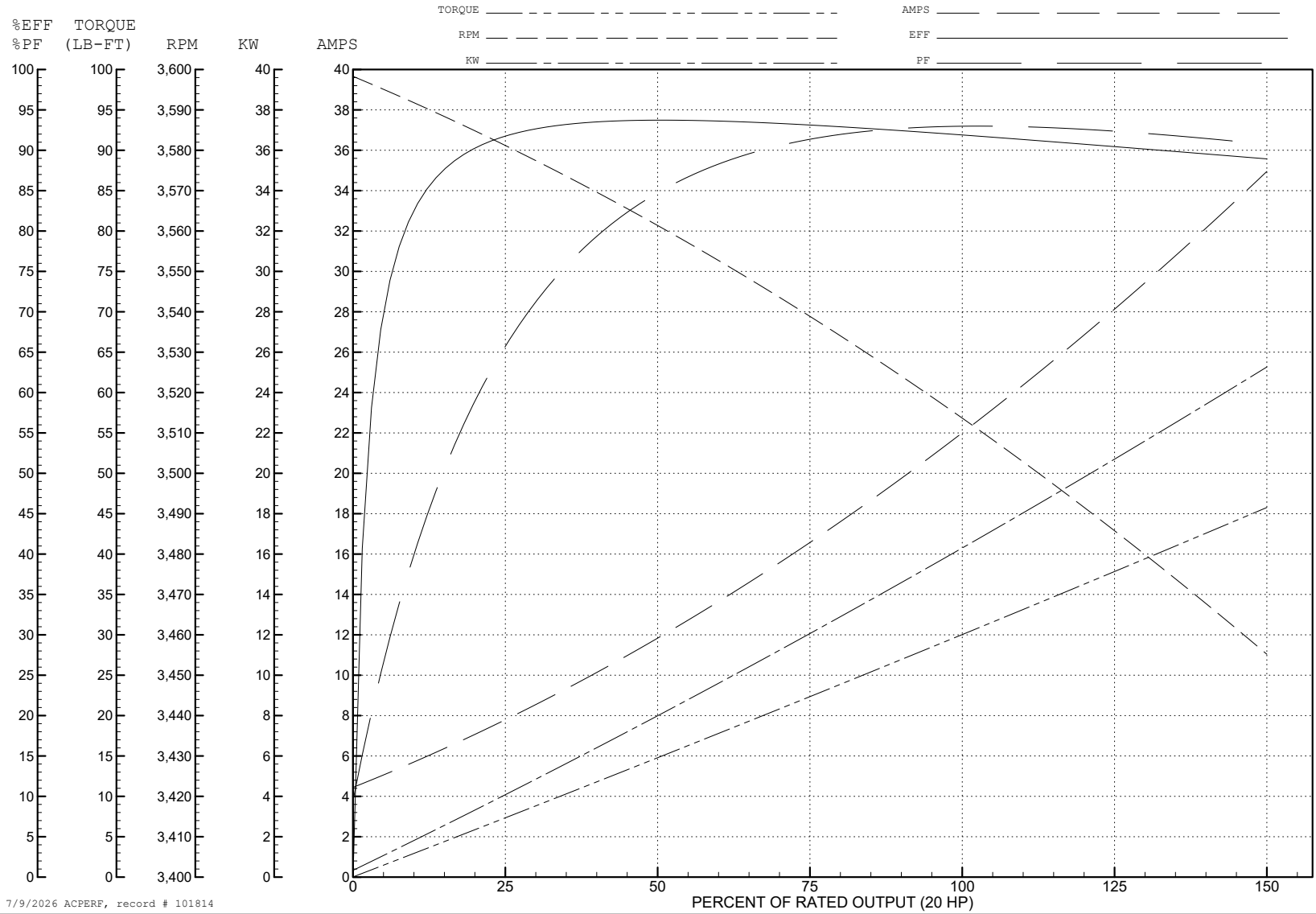
ABB Motors and Mechanical Inc.

WINDING # 09WGT095

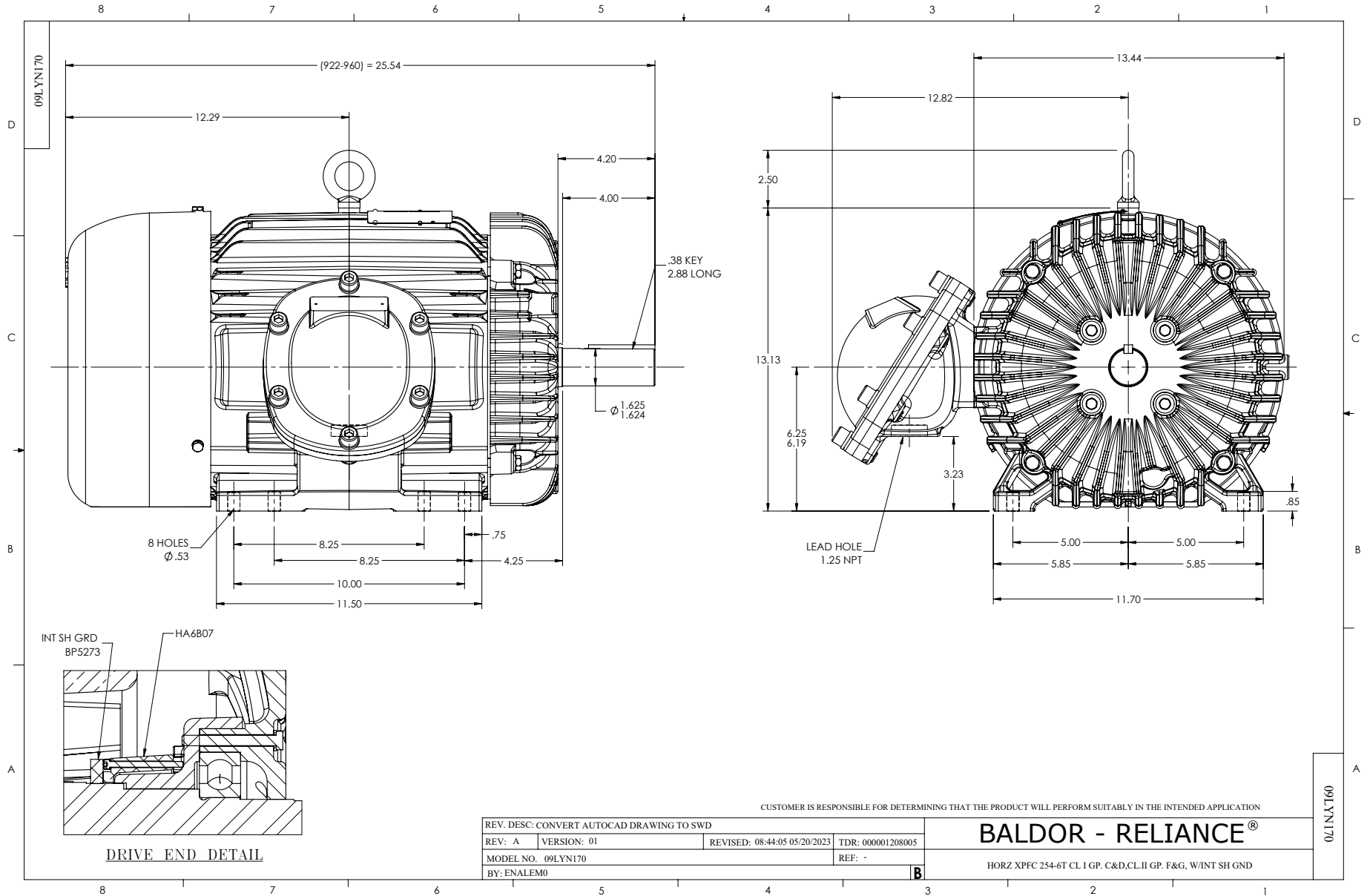
Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 3510 RPM 460 V 0954M

TORQUES (LB-FT): PO=101 PU=33.7 LR=43.9 LRA=145



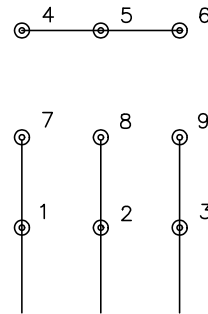
7/9/2026 ACPERF, record # 101814



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
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS