

ABB BALDOR RELIANCE III

Customer information packet

EM7054T-5

15HP, 1765RPM, 3PH, 60HZ, 254T, 0944M, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA EEV CSA
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
Current @ Voltage	14.600 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	14.6 a

Part Detail

Revision	K
Type	AC
Mech. spec.	09E270
Base	
Status	INA/A
Elec. spec.	09WGT124
Layout	09LYE270
Eff. date	03-09-2021
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	02-17-2016

Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	25.50 IN
Power Factor	83
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	None
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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

NP1426XPSLEV									
NO.		CC	010A						
SER.									
SPEC.	09E270T124G1								
CAT.NO.									
HP	15	T. CODE	T3C						
VOLTS	575								
AMPS	14.6								
RPM	1765								
HZ	60	PH	3	CL	B				
SER.F.	1.00	DES	A	CODE	H				
RATING	40C AMB-CONT								
FRAME	254T	NEMA-NOM-EFF		92.4					
PF	83								
BLANK									

AC Induction Motor Performance Data

Record # 55488

Typical performance - not guaranteed values

Winding: 09WGT124-R010			Type: 0944M		Enclosure: XPFC			
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		15		Full Load Torque		44.5 LB-FT		
Volts		575		Start Configuration		direct on line		
Full Load Amps		14.6		Breakdown Torque		153 LB-FT		
R.P.M.		1765		Pull-up Torque		69.5 LB-FT		
Hz		60	Phase	3	Locked-rotor Torque		86.5 LB-FT	
NEMA Design Code		A	KVA Code		H	Starting Current		102 A
Service Factor (S.F.)		1		No-load Current		6.05 A		
NEMA Nom. Eff.		92.4	Power Factor		83	Line-line Res. @ 25°C		0.874 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		54°C		
				Locked-rotor Power Factor		33.1		
				Rotor inertia		1.92 LB-FT2		

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	45	69	78	83	85	87
Efficiency	88.1	92.3	92.6	92.4	91.5	90.5
Speed	1791	1783	1774	1765	1755	1743
Line amperes	6.9	8.8	11.6	14.6	18.1	21.5

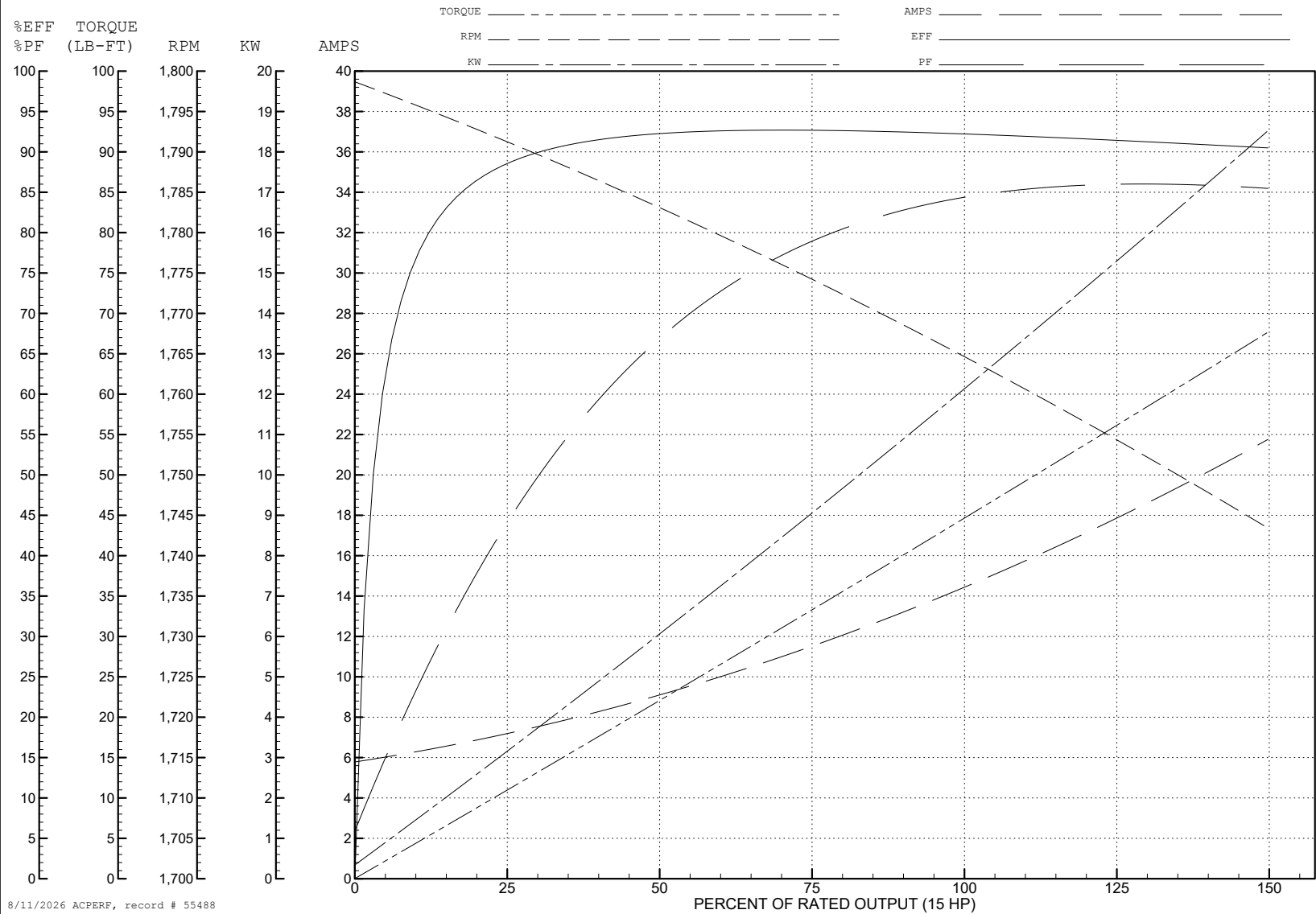
ABB Motors and Mechanical Inc.

WINDING # 09WGT124

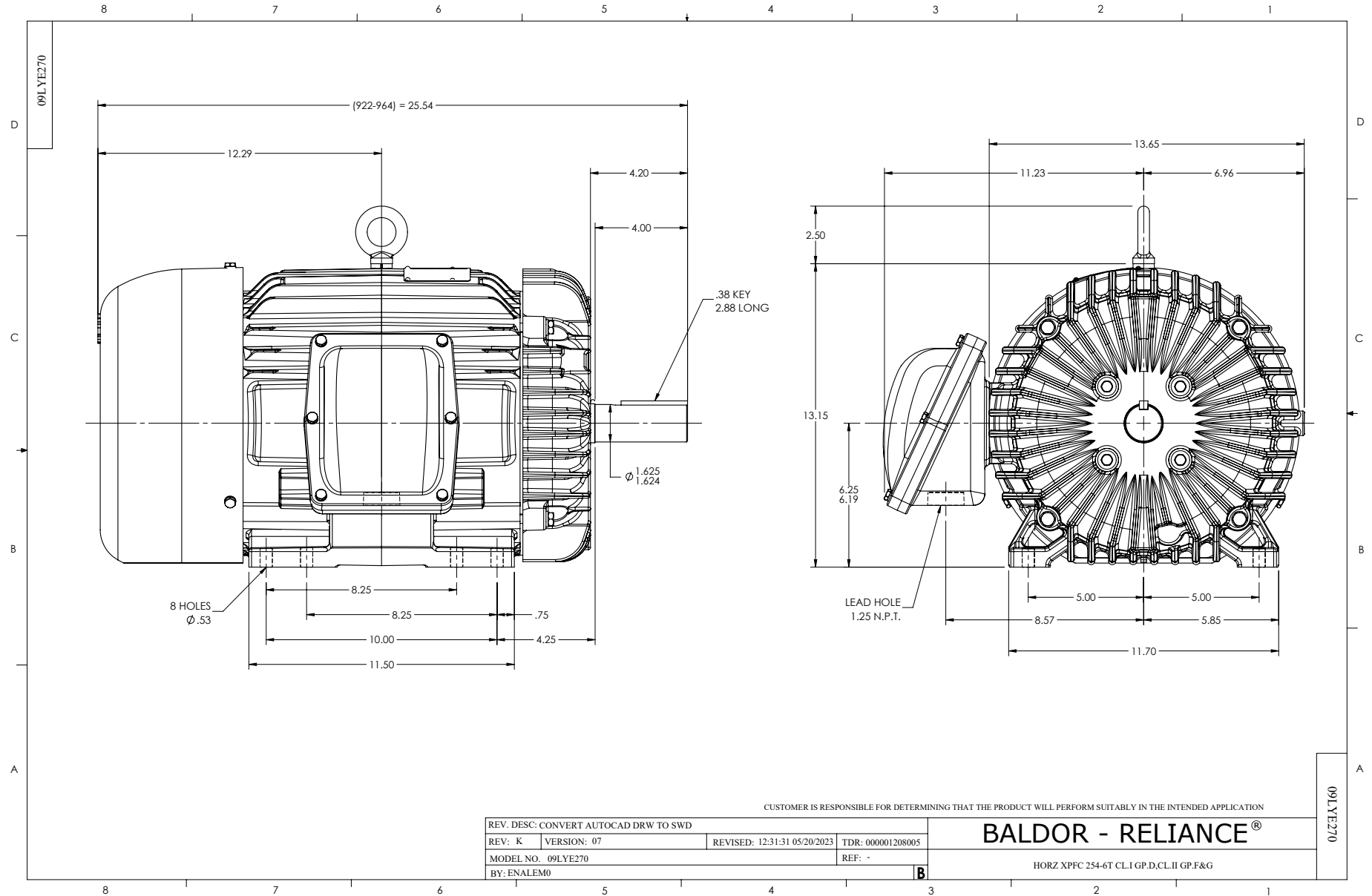
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

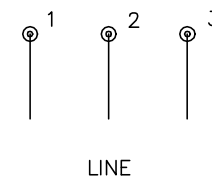
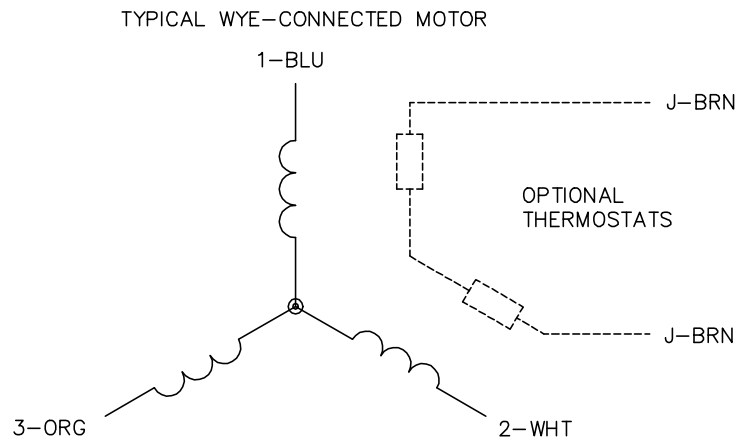
TORQUES (LB-FT): PO=153 PU=69.5 LR=86.5 LRA=102



8/11/2026 ACPERF, record # 55488



CD0006


NOTES:

1. THREE LEAD MOTOR MAY BE EITHER 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 BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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