

ABB BALDOR RELIANCE III

Customer information packet

VXT3076T-5

7.5HP, 1180RPM, 3PH, 60HZ, 254TC, 0954M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	254TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR NEMA_PREMIUM NEMA PREMIUM CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	3
Current @ Voltage	8.400 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGZ844
Layout	09LY-001-011
Eff. date	11-27-2024
CD Diagram	CD0006
Poles	06
Leads	3#12
Proprietary	False
Created date	05-28-2021

High Voltage Full Load Amps	8.4 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0954M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.86 IN
Power Factor	71
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4224L												
CAT.NO.	VXT3076T-5						I.P.	54				
SPEC.	09-0000-3204						ENCL	TEFC				
FRAME	254TC	H.P.		7.5		T. CODE				T3C		
VOLTS	575			P.F.		71						
F.L. AMPS	8.4			RATING		40C AMB-CONT						
R.P.M.	1180											
HZ.	60	PH.		3		CLASS		F				
SER.F.	1.15	DES.		B		SL HZ		1				
NEMA NOM. EFF.	91	WK2		4.34								
DE	6309	ODE		6208								
MAG. CUR.	4.3											
INV TYPE	PWM	CHP	60	TO		90	INV TEMP CODE		T3C			
CT	3	TO	60	VT		3	TO		60			
CC	010A	SN										

AC Induction Motor Performance Data

Record # 50839

Typical performance - not guaranteed values

Winding: 09WGZ844-R005			Type: 0954M		Enclosure: TEFC			
Nameplate Data			575 V, 60 Hz: Single Voltage Motor					
Rated Output (KW)		5.5	Full Load Torque		32.4 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		8.4	Breakdown Torque		90.2 LB-FT			
R.P.M.		1180	Pull-up Torque		35.9 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		52.7 LB-FT		
NEMA Design Code		B	KVA Code	H	Starting Current		50.9 A	
Service Factor (S.F.)		1.15	No-load Current		4.25 A			
NEMA Nom. Eff.		91.7	Power Factor		71	Line-line Res. @ 25°C		1.6 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		32°C	
S.F. Amps			Temp. Rise @ S.F. Load		38°C			

Load Characteristics 575 V, 60 Hz, 5.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	65	71	75	75	73
Efficiency	83.6	90.3	91.3	91.7	91.6	90.5	91.6
Speed	1196	1191	1188	1183	1177	1170	1179
Line amperes	4.67	5.65	6.81	8.37	10.1	12.5	9.41

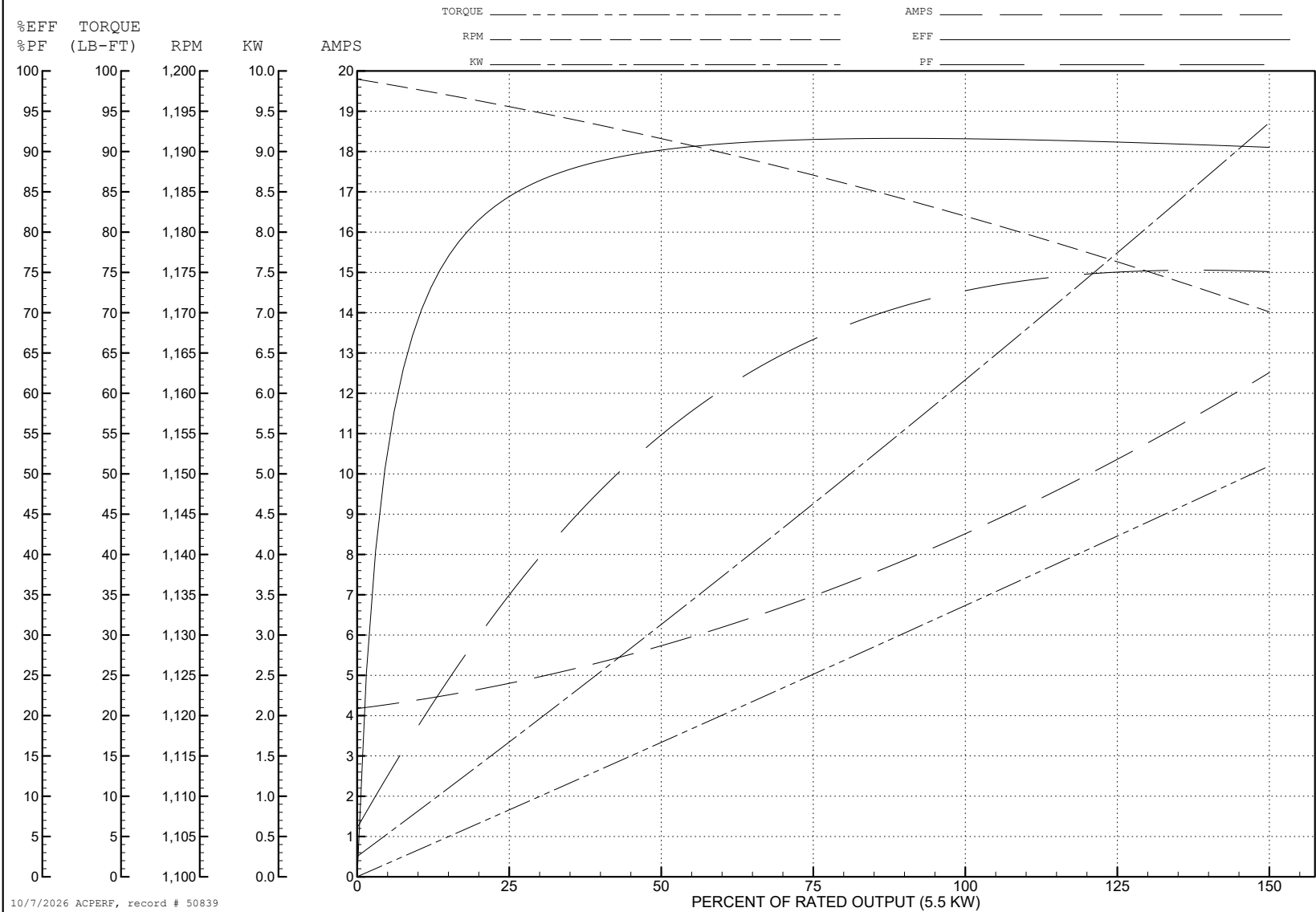
ABB Motors and Mechanical Inc.

WINDING # 09WGZ844

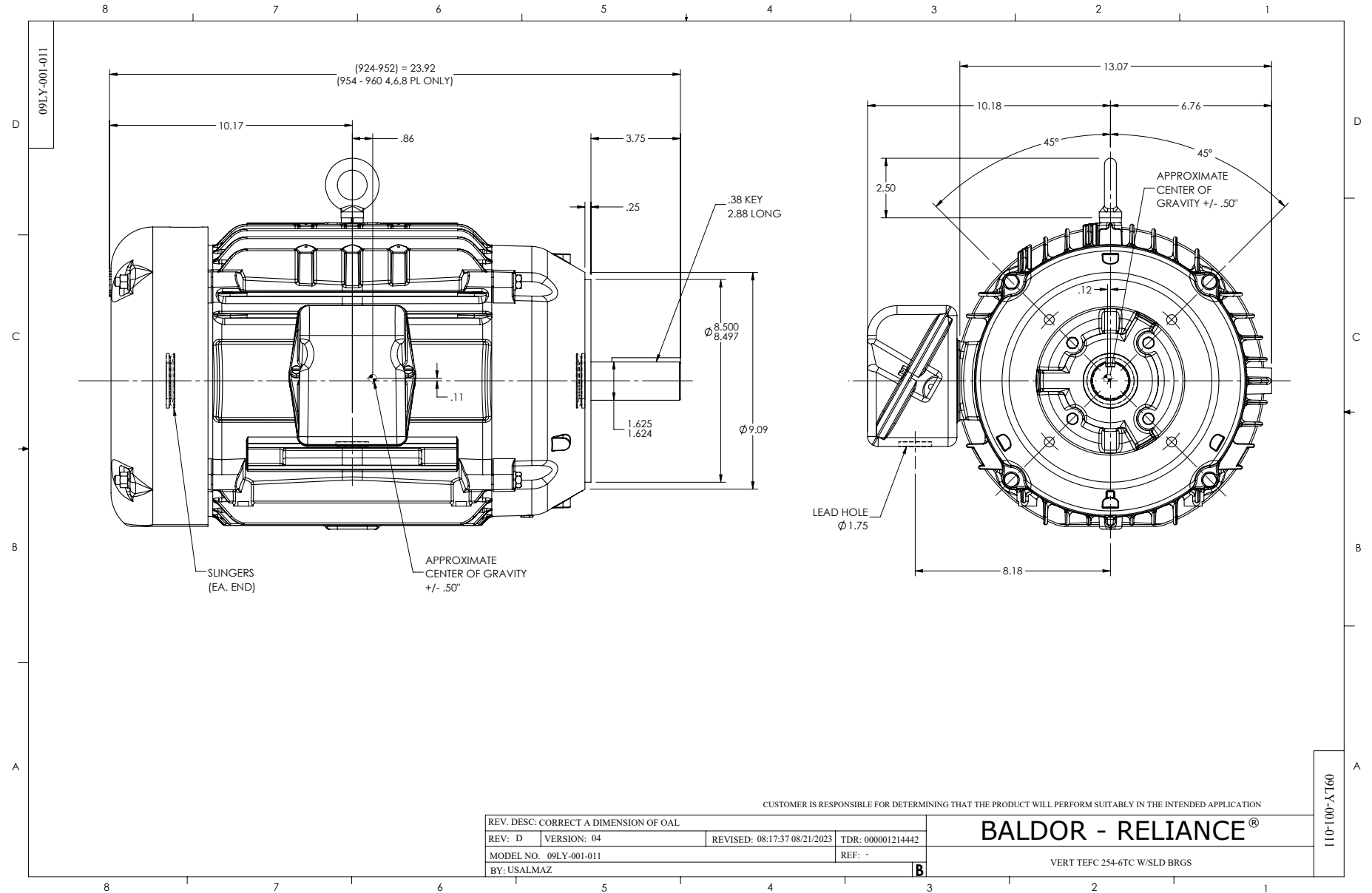
Typical performance - not guaranteed values.

5.5 KW 3 PH 60 HZ 1180 RPM 575 V 0954M

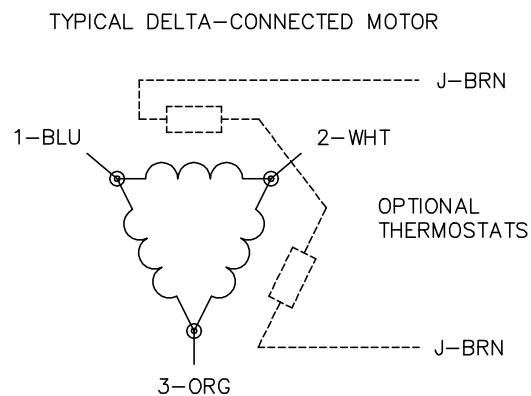
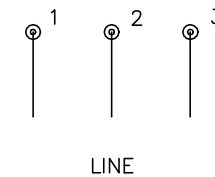
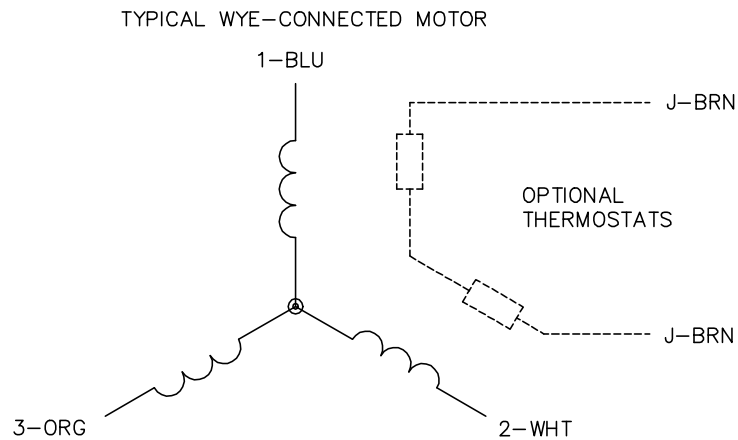
TORQUES (LB-FT): PO=90.2 PU=35.9 LR=52.7 LRA=50.9



10/7/2026 ACPERF, record # 50839



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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