ABB BALDOR RELIANCE

Customer information packet

VXT3076T-5

7.5HP, 1180RPM, 3PH, 60HZ, 254TC, 0954M, TEFC
Class - CLI GP A,B,C,D
Division - Division II

7/9/2026 12:52:40 AM

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**									

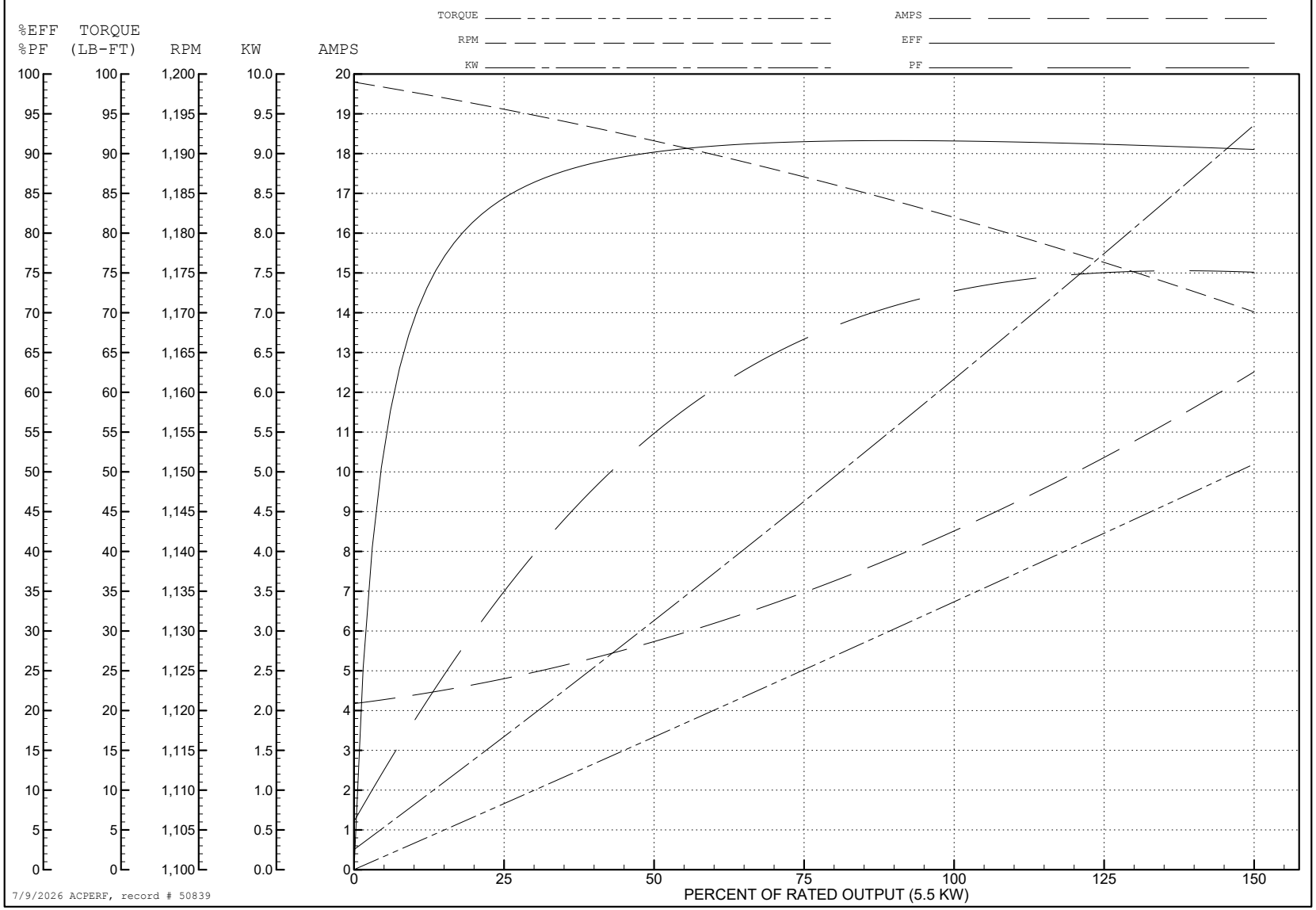
ABB Motors and Mechanical Inc.

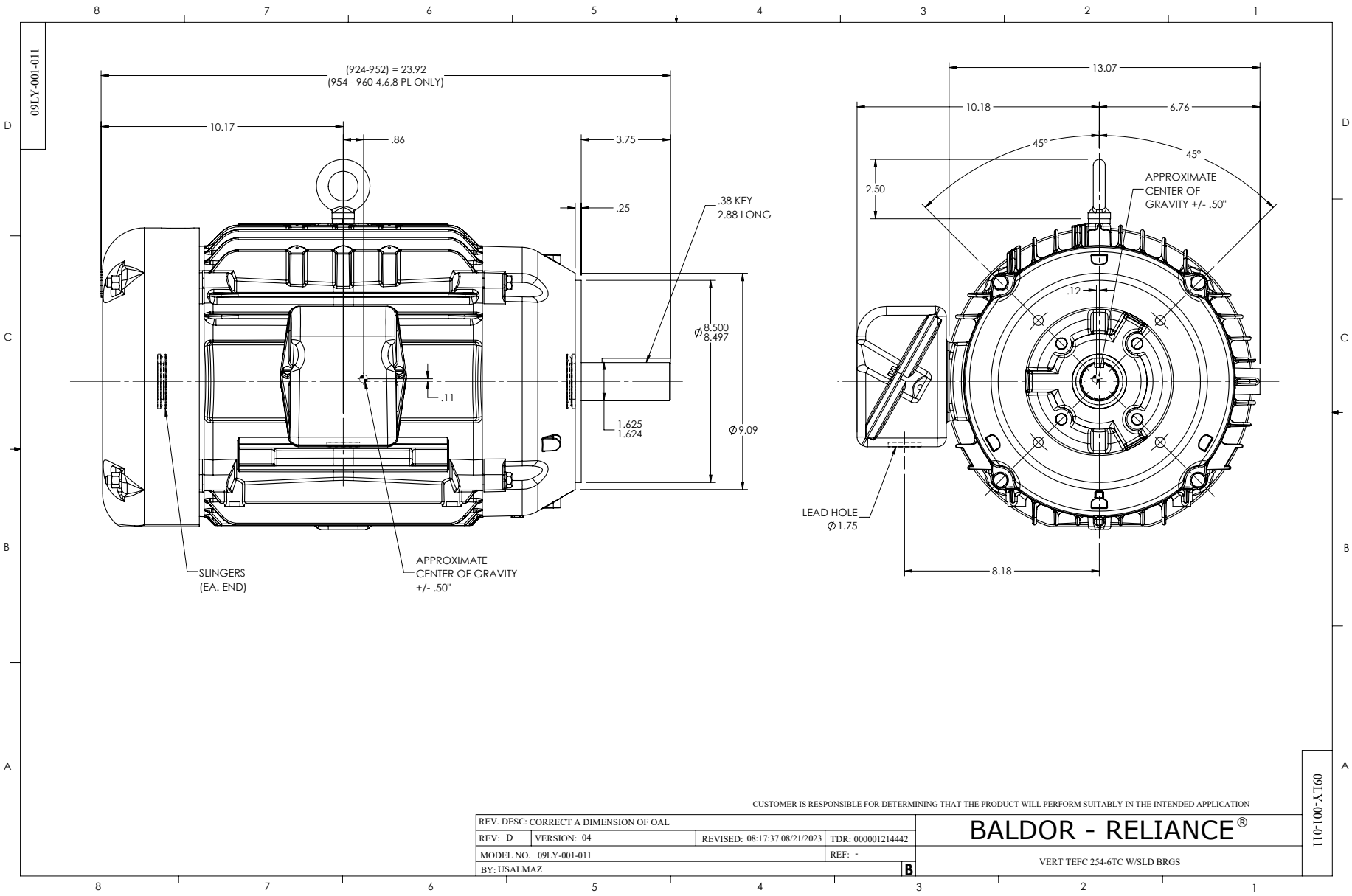
WINDING # 09WGZ844

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

Typical performance - not guaranteed values.

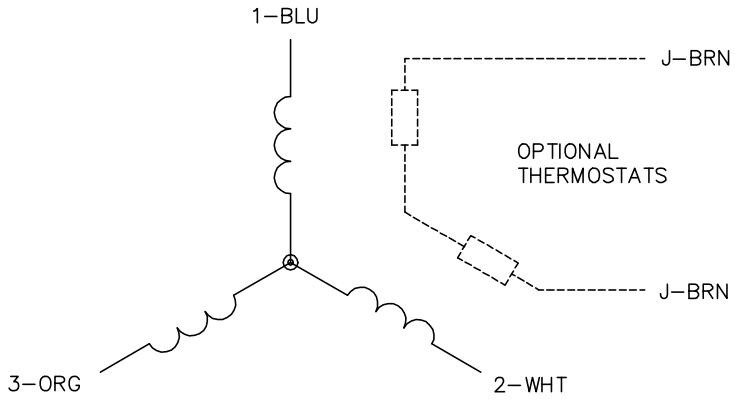
TORQUES(LB-FT): PO=90.2 PU=35.9 LR=52.7 LRA=50.9

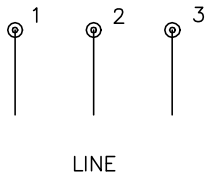



(924-952) = 23.92
(954 - 960 4,6,8 PL ONLY)
10.17
.86
3.75
.25
.38 KEY
2.88 LONG
Ø 8.500
8.497
.11
1.625
1.624
Ø 9.09
SLINGERS
(EA. END)
APPROXIMATE
CENTER OF GRAVITY
+/- .50"
13.07
10.18
6.76
45°
45°
2.50
APPROXIMATE
CENTER OF
GRAVITY +/- .50"
.12
LEAD HOLE
Ø 1.75
8.18
110100-XY69
09LY-001-011
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT A DIMENSION OF OAL
REV: D
VERSION: 04
REVISED: 08:17:37 08/21/2023
TDR: 000001214442
MODEL NO. 09LY-001-011
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VERT TEFC 254-6TC W/SLD BRGS

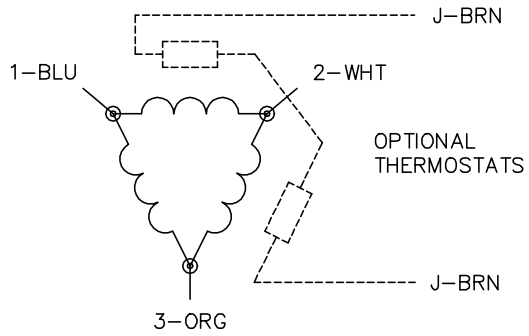
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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			BALDOR - RELIANCE®
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED
MTL: –			SH 1 of 1