

ABB BALDOR RELIANCE III

Customer information packet

VXT3256T-5

25HP, 1180RPM, 3PH, 60HZ, 324TC, 1260M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	324TC
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	25.000 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	25.700 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY448
Layout	12LY-000-020
Eff. date	11-27-2024
CD Diagram	CD0006
Poles	06
Leads	3#8
Proprietary	False
Created date	06-07-2021

High Voltage Full Load Amps	25.7 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	1260M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.28 IN
Power Factor	79
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 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.	VXT3256T-5						I.P.	54		
SPEC.	12-0000-2203						ENCL	TEFC		
FRAME	324TC	H.P.	25			T. CODE	T3			
VOLTS	575		P.F.	79						
F.L. AMPS	25.7		RATING		40C AMB-CONT					
R.P.M.	1180									
HZ.	60	PH.	3	CLASS		F				
SER.F.	1.15	DES.	A	SL HZ		1				
NEMA NOM. EFF.	93	WK2		11.5						
DE	6312	ODE	6311							
MAG. CUR.	11.4									
INV TYPE	PWM	CHP	60	TO	90	INV TEMP CODE		T3		
CT	3	TO	60	VT	3	TO	60			
CC	010A	SN								

AC Induction Motor Performance Data

Record # 47256

Typical performance - not guaranteed values

Winding: 12WGY448-R002			Type: 1260M		Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		25	Full Load Torque		111 LB-FT	
Volts		575	Start Configuration		direct on line	
Full Load Amps		25.7	Breakdown Torque		314 LB-FT	
R.P.M.		1180	Pull-up Torque		119 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		174 LB-FT
NEMA Design Code		A	KVA Code		H	
Service Factor (S.F.)		1.15	Starting Current		162 A	
NEMA Nom. Eff.		93	Power Factor		79	
Rating - Duty		40C	AMB-CONT			
S.F. Amps			Temp. Rise @ Rated Load		46°C	
			Temp. Rise @ S.F. Load		56°C	
			Rotor inertia		11.5 LB-FT2	

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	74	79	81	81	80
Efficiency	87.2	91.9	92.9	93	92.5	91.2	92.6
Speed	1196	1192	1188	1184	1180	1173	1182
Line amperes	12.8	16	20.5	25.7	31.4	39.3	29.1

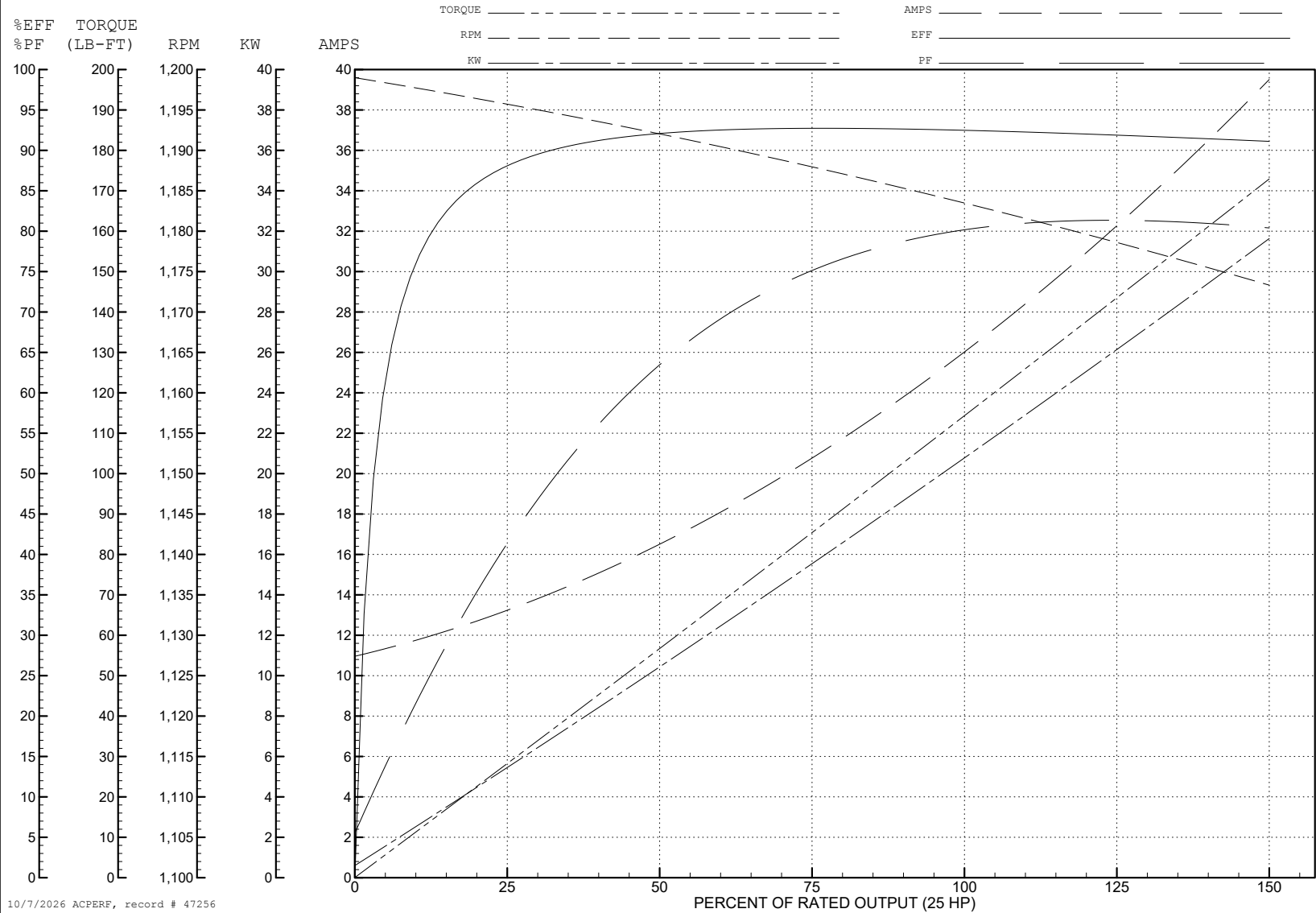
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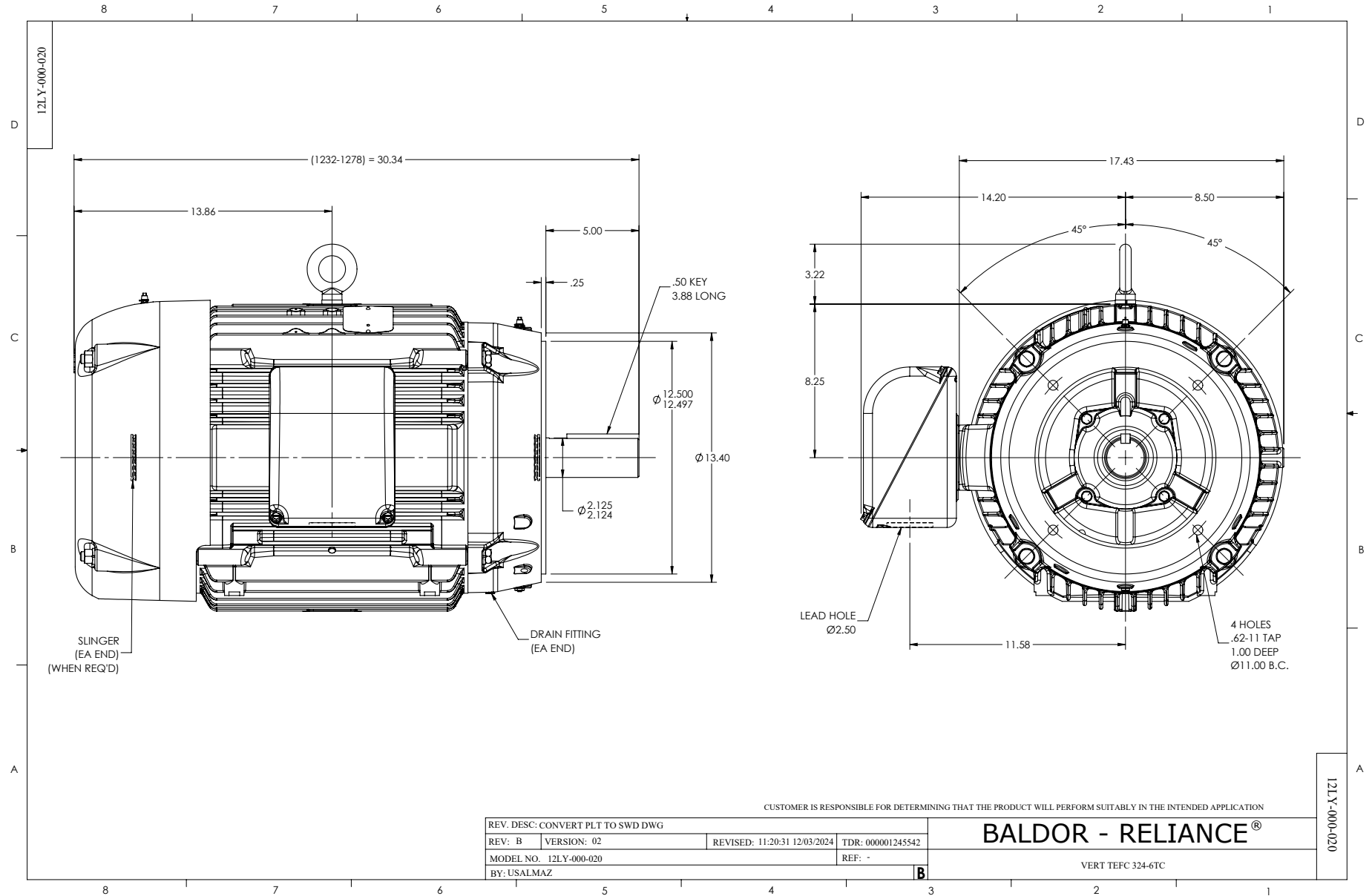
WINDING # 12WGY448

Typical performance - not guaranteed values.

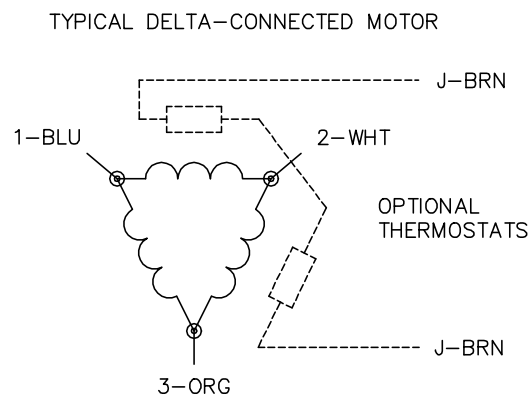
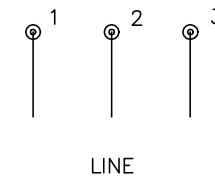
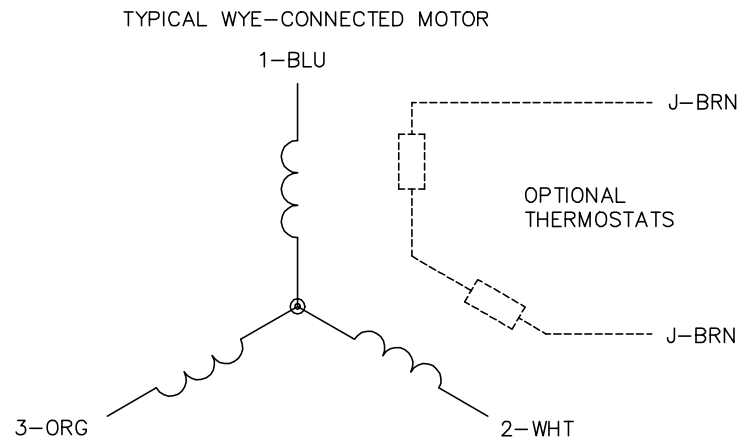
25 HP 3 PH 60 HZ 1180 RPM 575 V 1260M

TORQUES (LB-FT): PO=314 PU=119 LR=174 LRA=162





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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