ABB BALDOR RELIANCE

Customer information packet

VXT3256T

25HP, 1180RPM, 3PH, 60HZ, 324TC, 1260M, TEFC, F
Class - CLI GP A,B,C,D
Division - Division II

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11/5/2026 11:02:16 AM

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	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CCSA US
	CCSAUSEEV
	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	UR
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	1
Current @ Voltage	63.000 A @ 230.0 V
	70.000 A @ 208.0 V
	32.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY116
Layout	12LY-000-020
Eff. date	06-28-2024
CD Diagram	CD0180
Poles	06
Leads	9#8
Proprietary	False
Created date	08-03-2020

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	32.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
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	C-Face
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

NP4163L											
CAT.NO.	VXT3256T							**I.P.**	54		
SPEC.	12-0001437							**ENCL**	TEFC		
FRAME	324TC			**H.P.**	25						
VOLTS	230/460			**P.F.**	79						
F.L. AMPS	63/32					**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.	28/14										
INV TYPE	PWM	**CHP**	60		**TO**	90		**T. CODE**	T3		
CT	1	**TO**	60	**VT**	O	**TO**	60				
CC	010A	**SN**									
	USABLE AT 50HZ 20HP 190/380V										
	62/31A SF1.0										

AC Induction Motor Performance Data
Record # 47247
Typical performance - not guaranteed values

Winding: 12WGY116-R017	**Type:** 1260M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25	**Full Load Torque**	111 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			63/32	**Breakdown Torque**	308 LB-FT
R.P.M.			1180	**Pull-up Torque**	117 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	171 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	198 A
Service Factor (S.F.)			1.15	**No-load Current**	13.8 A
NEMA Nom. Eff.	93	**Power Factor**	79	**Line-line Res. @ 25ºC**	0.27033 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	46°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C
				Rotor inertia	11.5 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	65	75	79	81	81	80
Efficiency	89.1	92.8	93.5	93.2	92.6	91.5	92.8
Speed	1195.4	1191.8	1188.2	1183.9	1179.3	1172.9	1181
Line amperes	15.6	19.7	25.4	31.9	39.2	49.1	36.3

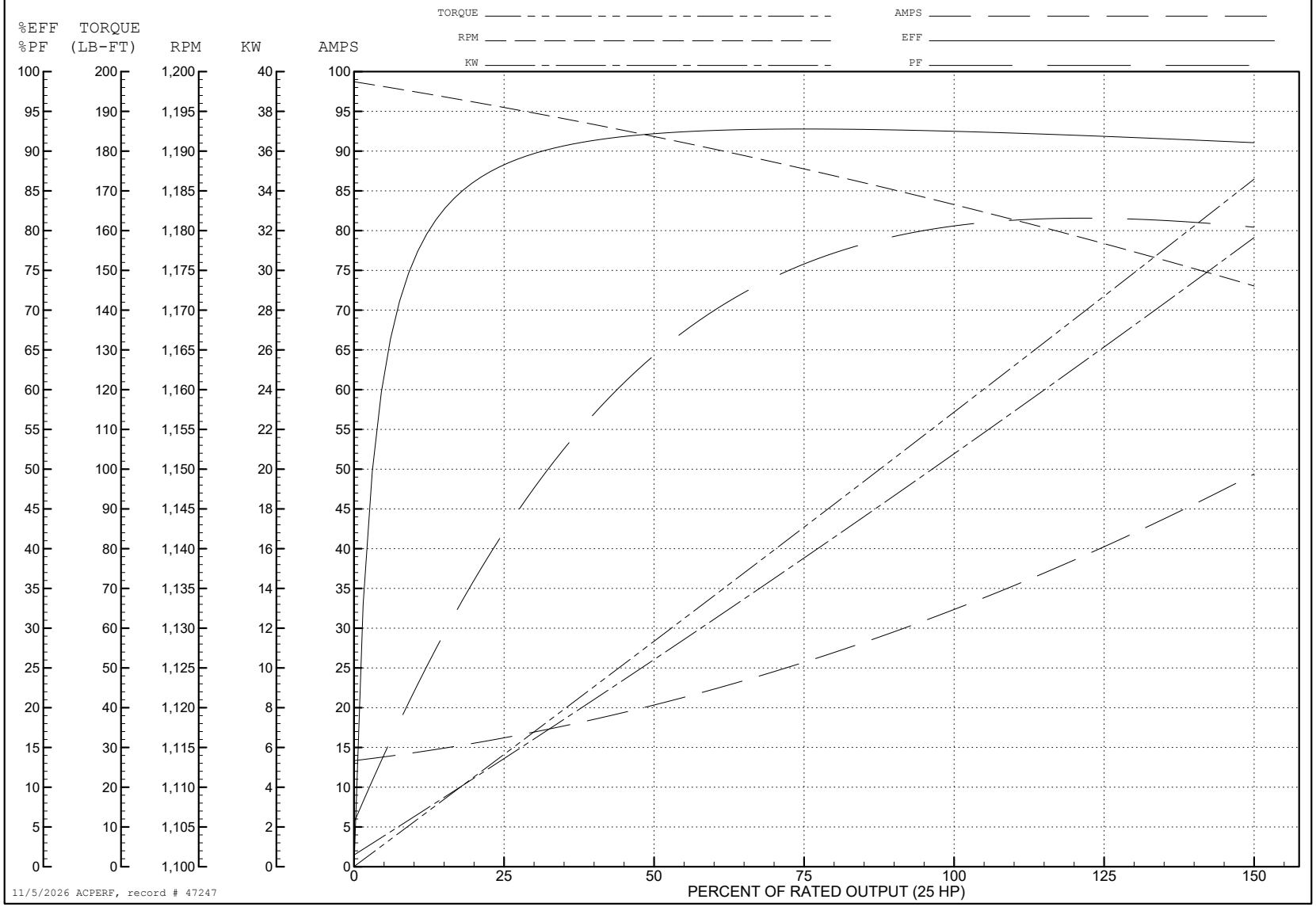
ABB Motors and Mechanical Inc.

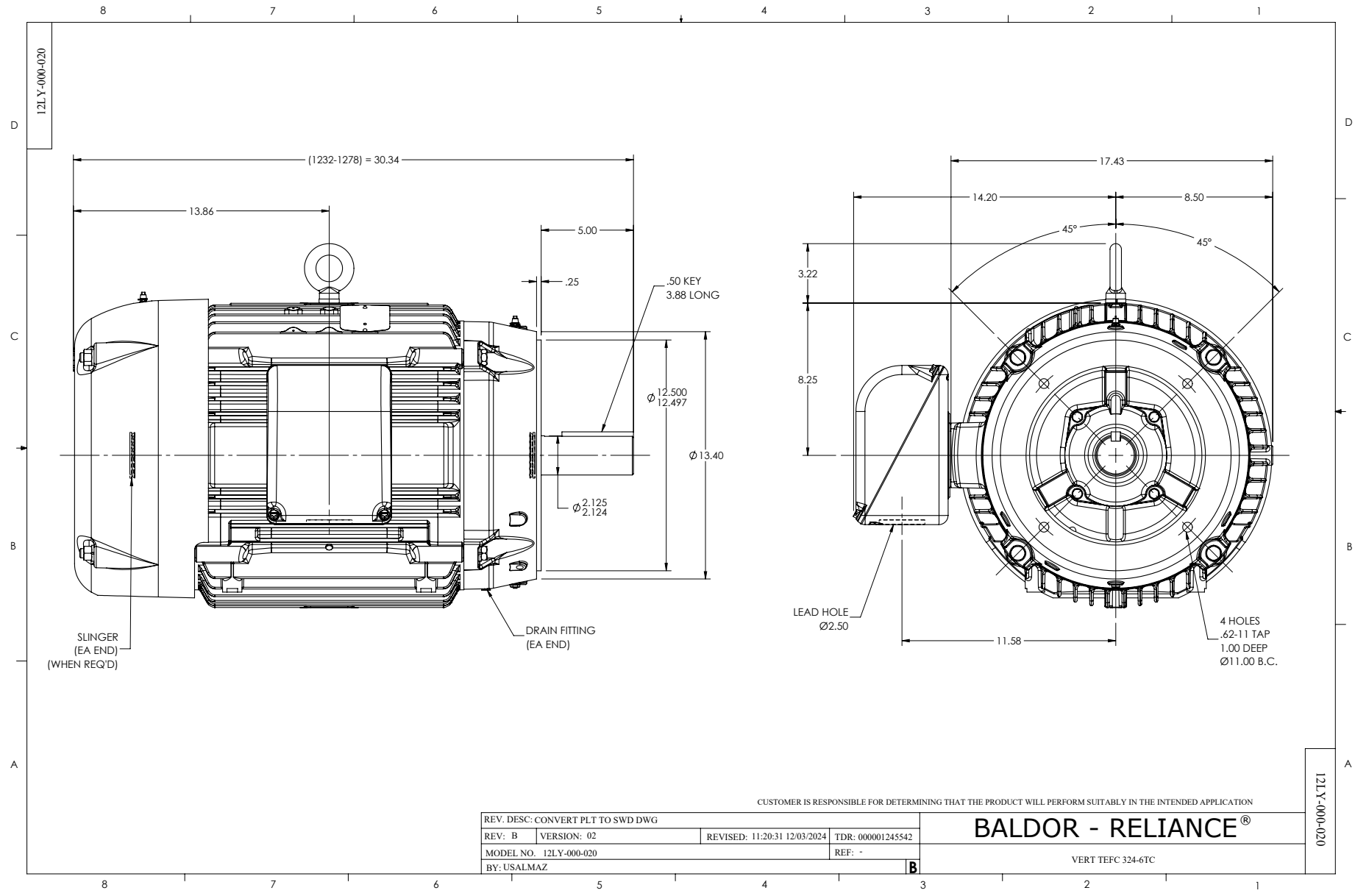
WINDING # 12WGY116

25 HP 3 PH 60 HZ 1180 RPM 460 V 1260M

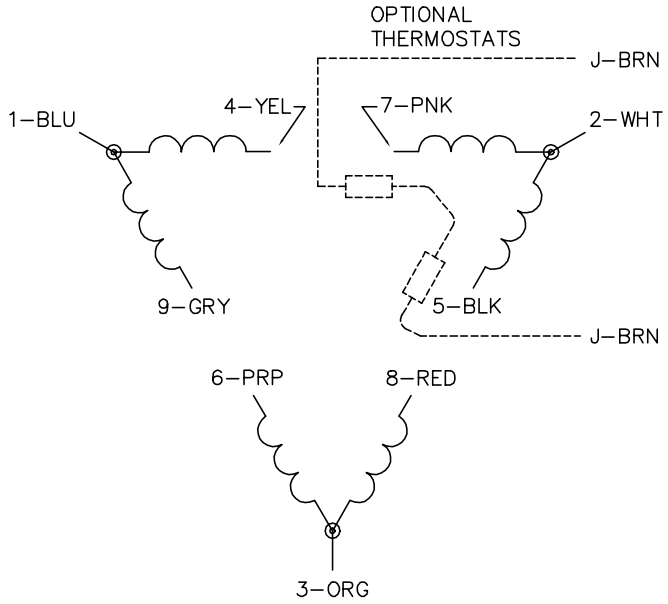
Typical performance - not guaranteed values.

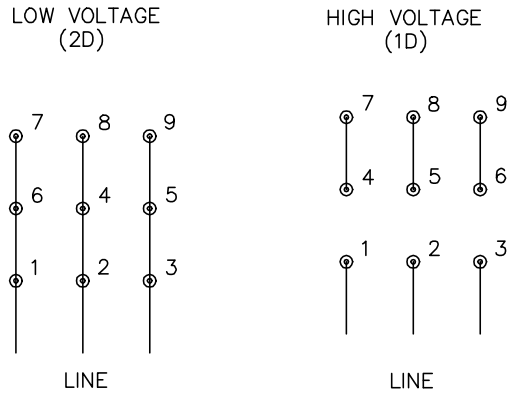
TORQUES(LB-FT): PO=308 PU=117 LR=171 LRA=198




12LY-000-020
(1232-1278) = 30.34
13.86
5.00
.25
.50 KEY
3.88 LONG
Ø 12.500
12.497
Ø13.40
Ø 2.125
2.124
SLINGER
(EA END)
(WHEN REQ'D)
DRAIN FITTING
(EA END)
17.43
14.20
8.50
45°
45°
3.22
8.25
LEAD HOLE
Ø2.50
11.58
4 HOLES
.62-11 TAP
1.00 DEEP
Ø11.00 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT PLT TO SWD DWG
REV: B
VERSION: 02
REVISED: 11:20:31 12/03/2024
TDR: 000001245542
MODEL NO. 12LY-000-020
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VERT TEFC 324-6TC
12LY-000-020

CD0180





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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1