ABB BALDOR RELIANCE

Customer information packet

VECP4111T

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

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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
	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	1.0
Current @ Voltage	69.000 A @ 208.0 V
	63.000 A @ 230.0 V
	32.000 A @ 460.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	W
Type	AC
Mech. spec.	12E914
Base	
Status	PRD/A
Elec. spec.	12WGY116
Layout	12LYE914
Eff. date	10-16-2025
CD Diagram	CD0180
Poles	06
Leads	9#8
Proprietary	False
Created date	06-08-2011

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	32.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1260M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.03 IN
Power Factor	79
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
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

NP3241

CAT.NO.	VECP4111T		**P/N**					**ENCLOSURE**	TEFC			
SPEC.	12E914Y116	**CC**	010A	**FRAME**	324TC		**S/N**					
HP	25		**CLASS**	F	**HZ**	60	**DES**	A				
RPM	1180		**RPM MAX**	1800	**PH**	3	**KVA-CODE**	H				
VOLT	230/460			**MOTOR WEIGHT**	636							
AMP	63/32		**SER.F.**	1.15	**PF**	79	**ODE BRG**	6312	**DE BRG**	6312		
RATING	40C AMB-CONT			**NEMA-NOM-EFF**	93		**GREASE**	POLYREX EM				
							INV.TYPE	PWM				
TEMP CODE	T3		**INVERTER-TEMP-CODE**	200								
TEMP =	200	**C HP FR**	60		**C HP TO**	90						
CT HZ FROM	1.0		**CT HZ TO**	60								
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**			**MAX. SPACE HEATER TEMP.**			**VT HZ FROM**	O	**VT HZ TO** 60

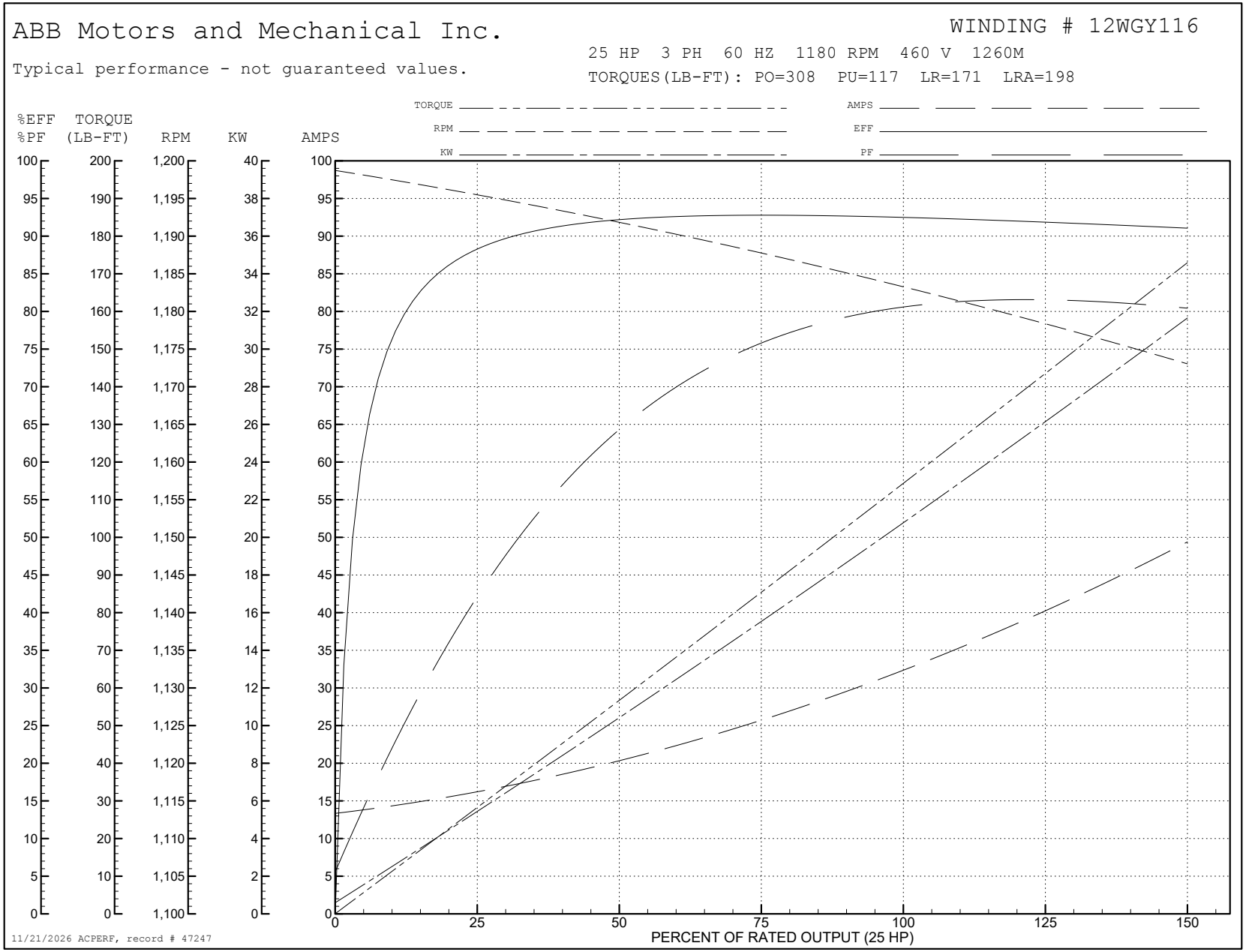
AC Induction Motor Performance Data
Record # 47247
Typical performance - not guaranteed values

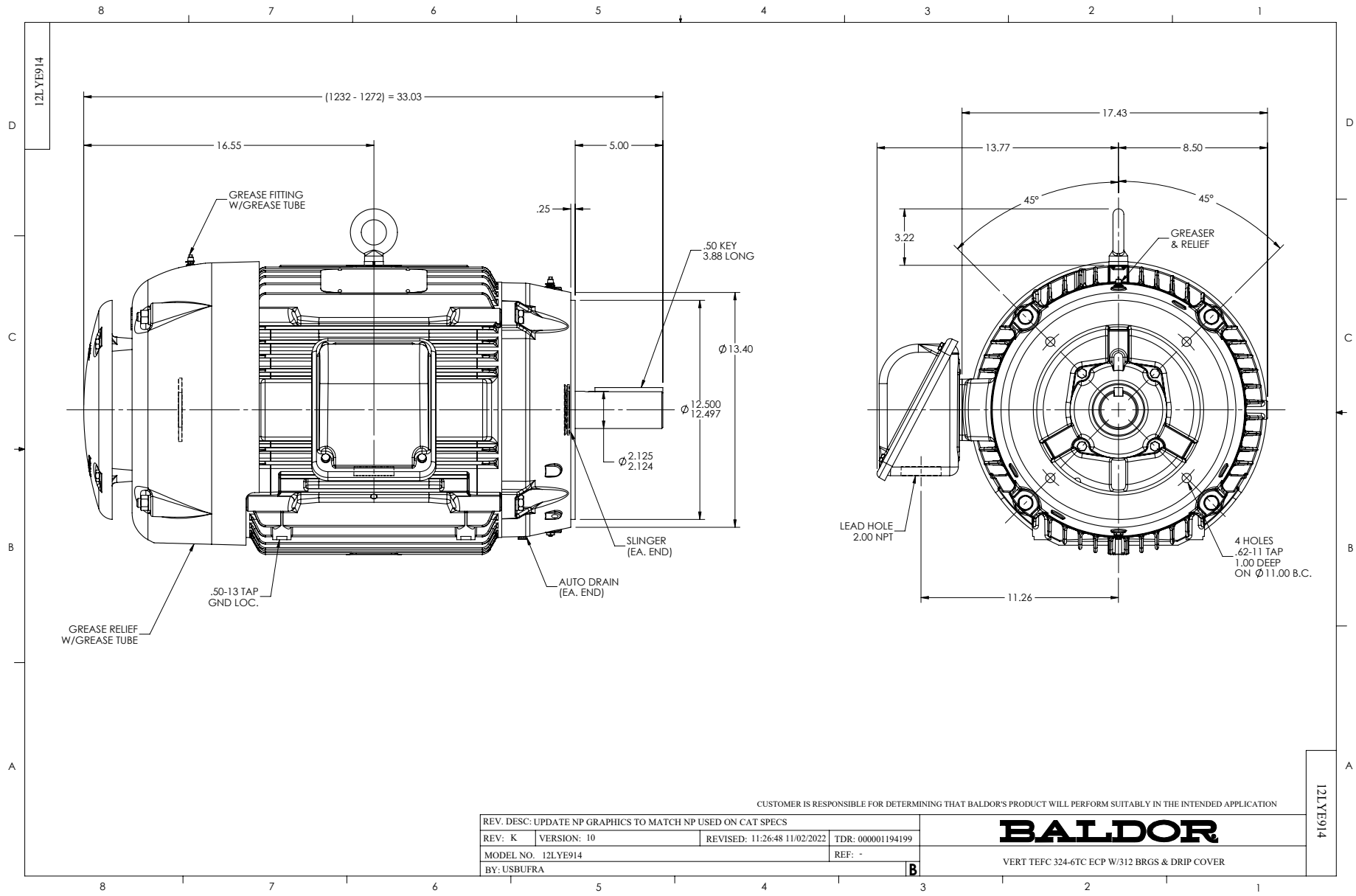
Winding: 12WGY116-R017	**Type:** 1260M	**Enclosure:** TEFC

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

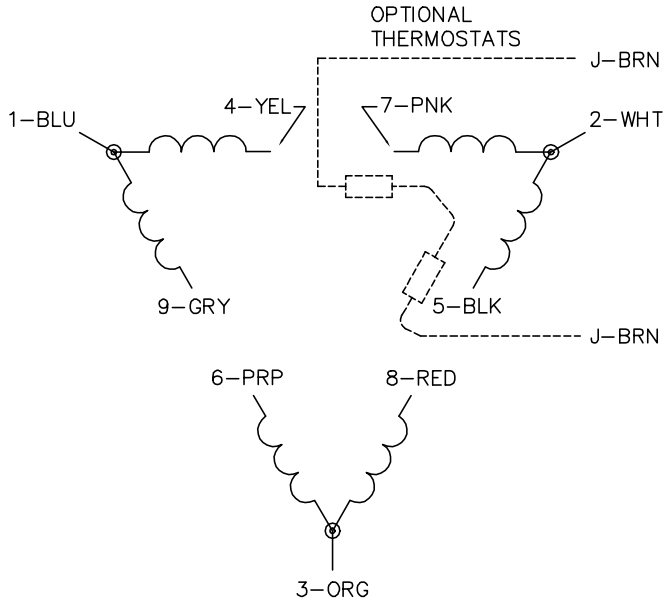
Load Characteristics 460 V, 60 Hz, 25 HP

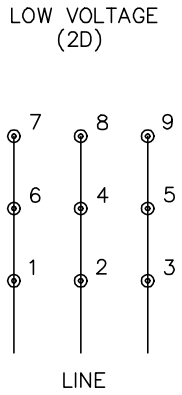
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	65	75	79	81	81	80
Efficiency	89.1	92.8	93.5	93.2	92.6	91.5	92.8
Speed	1195.4	1191.8	1188.2	1183.9	1179.3	1172.9	1181
Line amperes	15.6	19.7	25.4	31.9	39.2	49.1	36.3

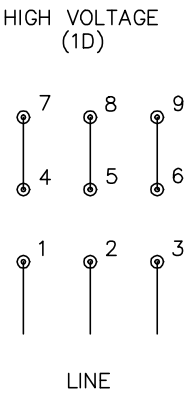

ABB Motors and Mechanical Inc.
WINDING # 12WGY116
25 HP 3 PH 60 HZ 1180 RPM 460 V 1260M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=308 PU=117 LR=171 LRA=198
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (25 HP)
11/21/2026 ACPERF, record # 47247


12LYE914
(1232 - 1272) = 33.03
16.55
5.00
.25
GREASE FITTING
W/GREASE TUBE
.50 KEY
3.88 LONG
Ø13.40
Ø12.500
12.497
Ø2.125
2.124
SLINGER
(EA. END)
AUTO DRAIN
(EA. END)
.50-13 TAP
GND LOC.
GREASE RELIEF
W/GREASE TUBE
17.43
13.77
8.50
45°
45°
3.22
GREASER
& RELIEF
LEAD HOLE
2.00 NPT
4 HOLES
.62-11 TAP
1.00 DEEP
ON Ø11.00 B.C.
11.26
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: K
VERSION: 10
REVISED: 11:26:48 11/02/2022
TDR: 000001194199
MODEL NO. 12LYE914
REF: -
BY: USBUFRA
B
BALDOR
VERT TEFC 324-6TC ECP W/312 BRGS & DRIP COVER
12LYE914

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