



Customer information packet

CECP84111T-4

25HP, 1180RPM, 3PH, 60HZ, 324TC, TEFC, F1

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	CL I 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
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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1
Current @ Voltage	32.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3

Part detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY445
Layout	12LY-000-140
Eff. date	11-03-2025
CD Diagram	CD0006
Poles	06
Leads	3#8
Proprietary	False
Created date	01-15-2019

Heater Indicator	No Heater
High Voltage Full Load Amps	32.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP56
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	1264M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.74 IN
Power Factor	79
Product Family	Chem Process S/P 32-8 IEEE 841
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

NP4332

STK.NO.	CECP84111T-4			P/N					ENCLOSURE		TEFC				
SPEC.	12-0000-0417			CC	010A	FRAME	324TC		S/N						
HP	25			CLASS	F	HZ	60	ODE BRG	6312	DE BRG	6312				
RPM	1180	RPM MAX	1800	PH	3	DES	B	D.E. BRG.	60BC03X30X						
VOLT	460			KVA-CODE	G		O.D.E. BRG.		60BC03X30X						
AMP	32			MOTOR WEIGHT			651	GREASE	POLYREX EM						
RATING	40C AMB-CONT			MAX. KVAR			9	BLANK							
NEMA-NOM-EFF	93	# OF ROTOR BARS			42	SER.F.	1.15	IP	56						
G.MIN.EFF	91.7	# OF STATOR SLOTS			54	PF	79	INV.TYPE	PWM						
TEMP CODE	T3	INVERTER-TEMP-CODE			200										
TEMP =	200	C HP FR	60	C HP TO	90										
CT HZ FROM	1	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 # 47214

Typical performance - not guaranteed values

Winding: 12WGY445-R012				Type: 1264M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		25		Full Load Torque		111 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		32		Breakdown Torque		283 LB-FT	
R.P.M.		1180		Pull-up Torque		131 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		B		KVA Code		G	
Service Factor (S.F.)		1.15		Starting Current		178 A	
NEMA Nom. Eff.		93		Power Factor		79	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	
						Rotor inertia	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	67	76	79	81	81	80
Efficiency	90.3	93.2	93.6	93.2	92.3	91	92.7
Speed	1194.5	1190.4	1185.5	1180.1	1173.8	1165.5	1176
Line amperes	14.4	19	24.7	31.6	39.1	48.1	36.1

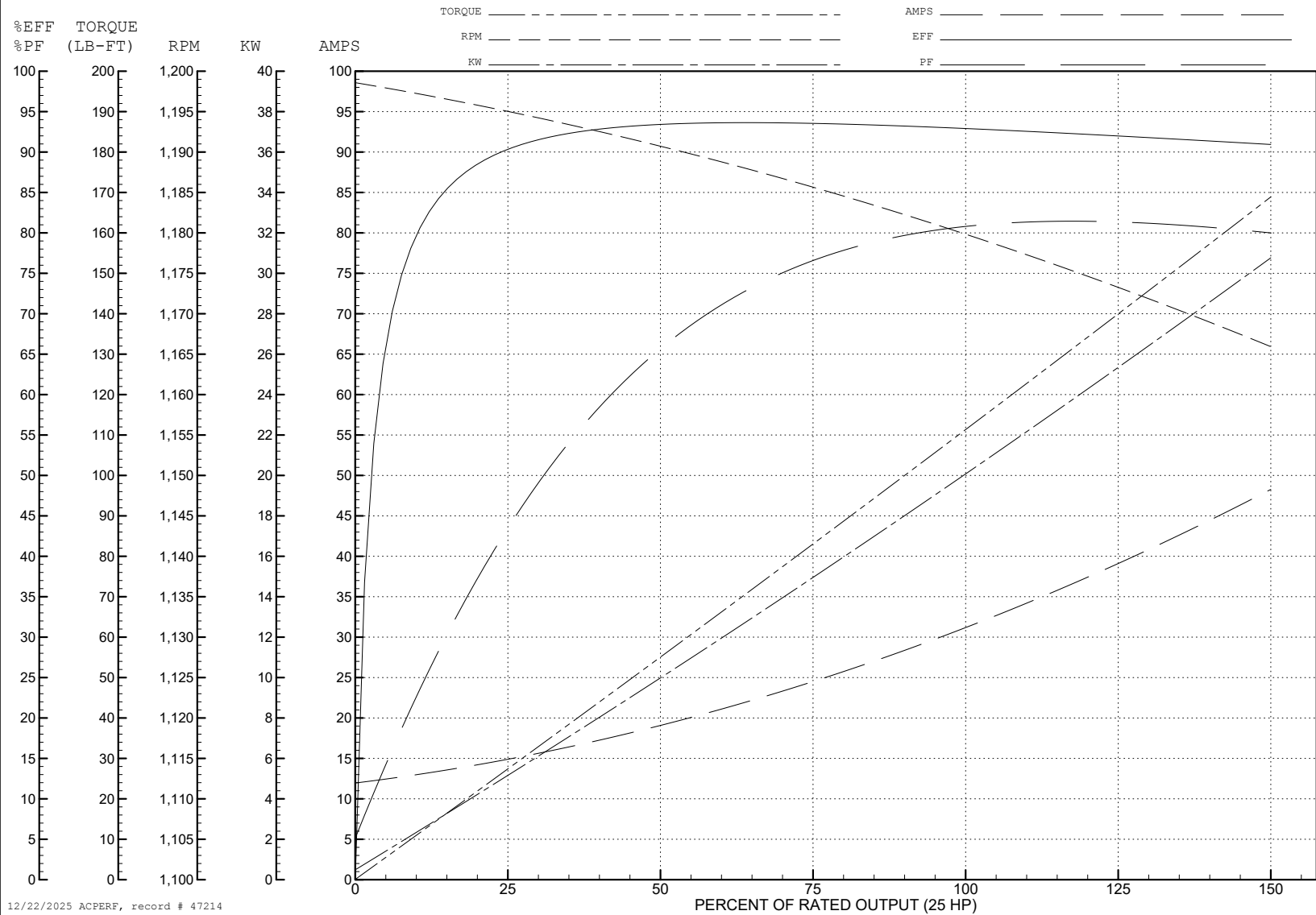
ABB Motors and Mechanical Inc.

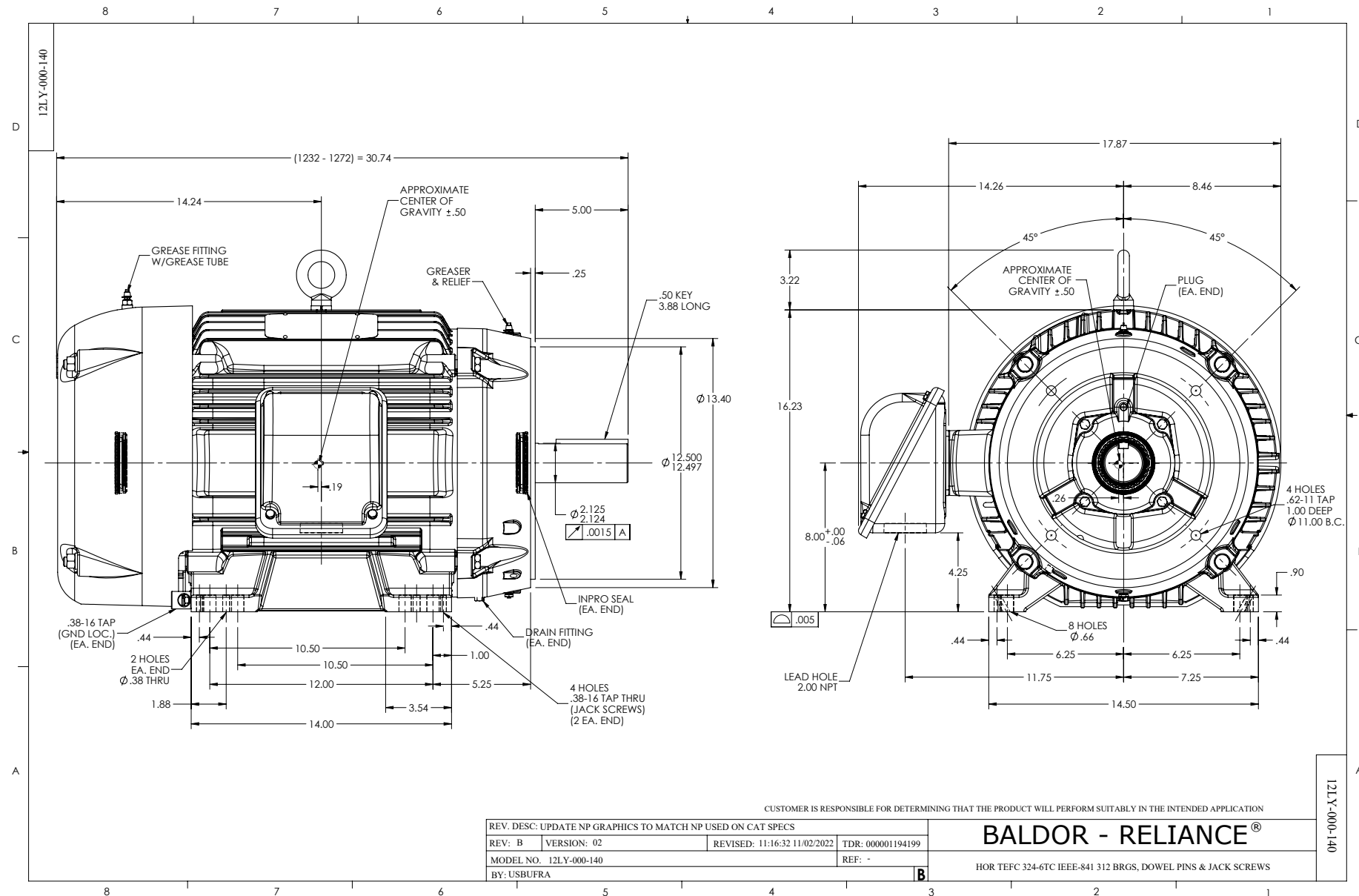
WINDING # 12WGY445

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1180 RPM 460 V 1264M

TORQUES (LB-FT): PO=283 PU=131 LR=156 LRA=178





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

J-BRN

OPTIONAL THERMOSTATS

J-BRN

3-ORG

2-WHT

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

J-BRN

2-WHT

OPTIONAL THERMOSTATS

J-BRN

3-ORG

1

2

3

LINE

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.

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

SH 1 of 1

CD0006

12-0000-0417: 25HP,1180RPM,3PH,60HZ,324TC,1264M,TEFC,F

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