



Customer information packet

ECP4117T-5

30HP, 1180RPM, 3PH, 60HZ, 326T, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	326T
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	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1
Current @ Voltage	30.000 A @ 575.0 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	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGZ235
Layout	12LYF904
Eff. date	11-05-2024
CD Diagram	CD0006
Poles	06
Leads	3#10
Proprietary	False
Created date	06-20-2019

Heater Indicator	No Heater
High Voltage Full Load Amps	30.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1268M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.28 IN
Power Factor	80
Product Family	Super-E Chemical Processing
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

NP3241

CAT.NO.	ECP4117T-5			P/N						ENCLOSURE		TEFC	
SPEC.	12-0000153		CC	010A	FRAME	326T		S/N					
HP	30			CLASS	F	HZ	60	DES	B				
RPM	1180			RPM MAX	1800		PH	3	KVA-CODE	G			
VOLT	575			MOTOR WEIGHT			634						
AMP	30			SER.F.	1.15	PF	80	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	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 # 69864

Typical performance - not guaranteed values

Winding: 12WGZ235-R001				Type: 1268M		Enclosure: TEFC	
Nameplate Data				575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		30		Full Load Torque		134 LB-FT	
Volts		575		Start Configuration		direct on line	
Full Load Amps		30		Breakdown Torque		340 LB-FT	
R.P.M.		1180		Pull-up Torque		153 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		B		KVA Code		G	
Service Factor (S.F.)		1.15		Starting Current		172 A	
NEMA Nom. Eff.		93		Power Factor		80	
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 575 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	76	80	82	81	81
Efficiency	90.6	93.5	94	93.4	92.5	91.1	92.9
Speed	1196	1191	1186	1180	1174	1166	1176
Line amperes	13.67	17.93	23.55	29.99	37.27	45.63	34.4

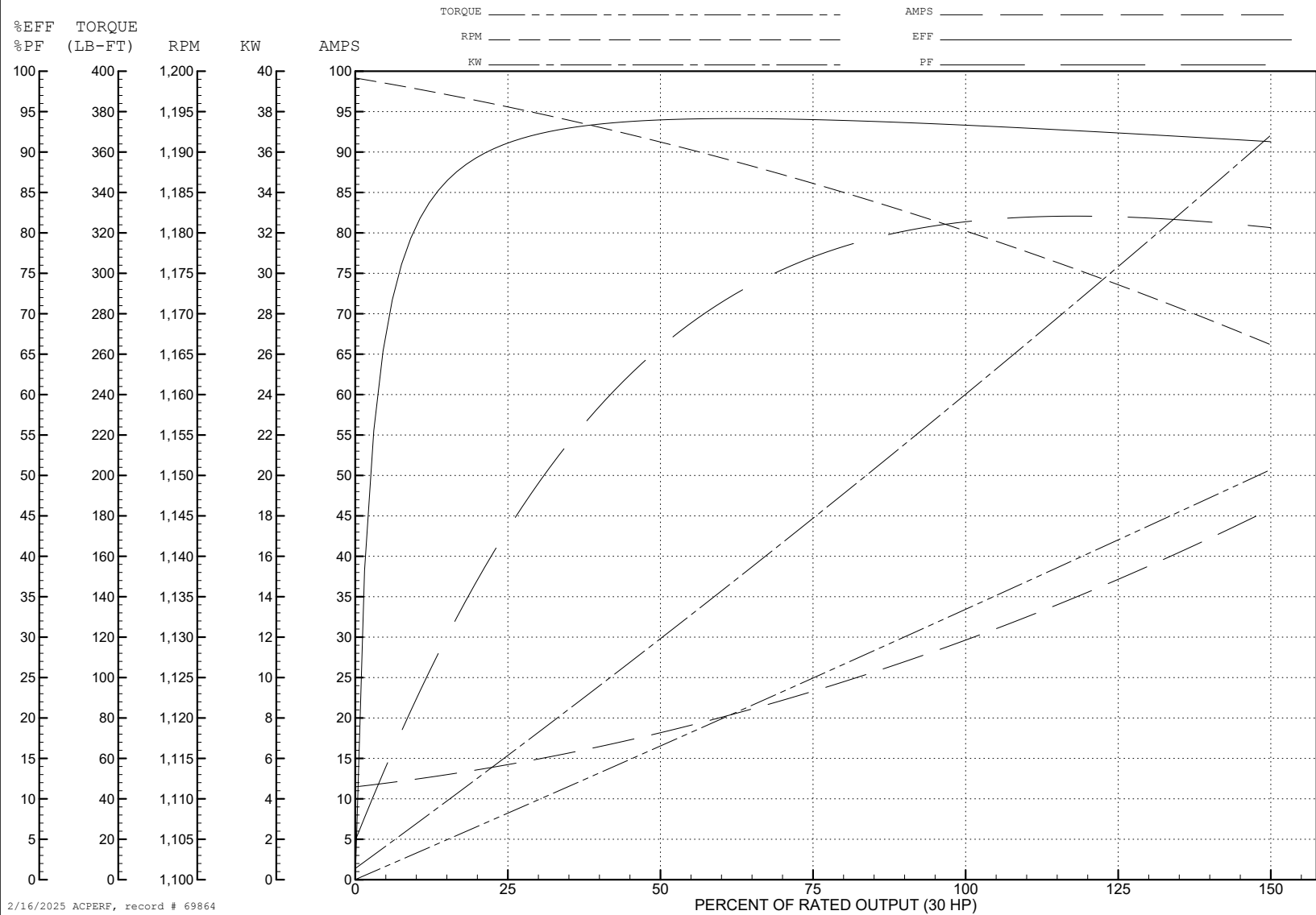
ABB Motors and Mechanical Inc.

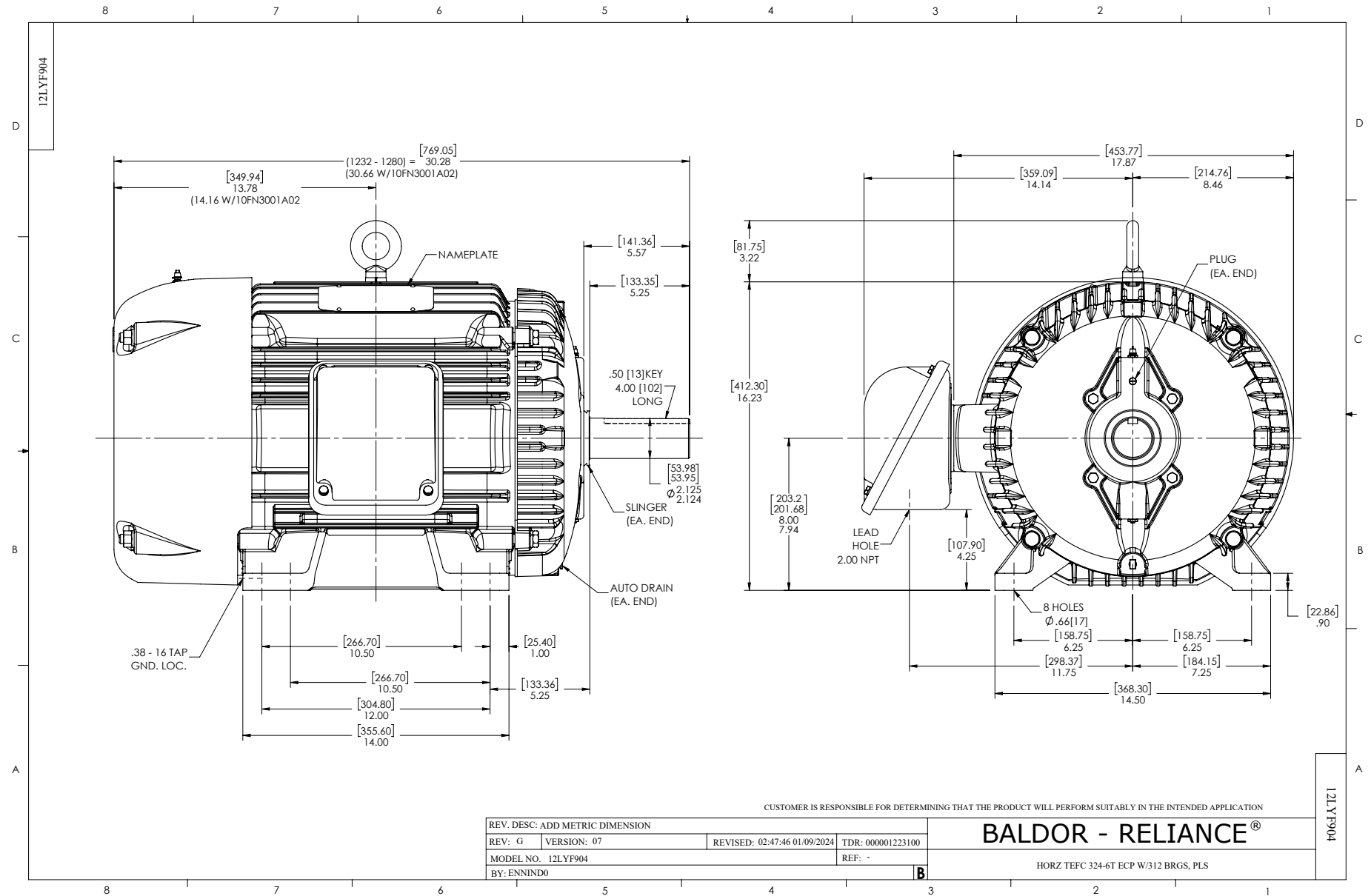
WINDING # 12WGZ235

Typical performance - not guaranteed values.

30 HP 3 PH 60 HZ 1180 RPM 575 V 1268M

TORQUES (LB-FT): PO=340 PU=153 LR=188 LRA=172





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		
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MTL: —		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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