

ABB BALDOR RELIANCE III

Customer information packet

CSPM4110T

40HP, 1785RPM, 3PH, 60HZ, 324TC, 1288M, TEFC, F

Class - CLI GP A,B,C,D; CLII GP F,G

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; CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM 4 WEEE CSA
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
Current @ Voltage	48.000 A @ 460.0 V 96.000 A @ 230.0 V 104.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	A
Type	AC
Mech. spec.	12T118
Base	
Status	PRD/A
Elec. spec.	12WGZ347
Layout	12LYT118
Eff. date	04-17-2026
CD Diagram	CD0180
Poles	04
Leads	9#8
Proprietary	False
Created date	02-02-2026

Haz Area Temp Code	T3B
Heater Indicator	No Heater
High Voltage Full Load Amps	48.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1288M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.71 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 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

NP4439B05C23L

CAT #	CSPM4110T										SER #											CC	010A	WGT	720	LBS																																	
SPEC	12T118Z347										FRAME	324TC										ENCL	TEFC										IP	55																									
RATING	40C AMB-CONT																				NEMA NOM. EFF										95																												
HP	40										VOLTS	230/460																																															
AMPS	96/48										RPM	1785										HZ	60																																				
PH	3	CL	F	CODE	K	DES	A	PF	82	%	SER.F.										1.15	SF AMP	108/54																																				
DE BRG	6312										ODE BRG	6312										LUBE	POLYREX EM																																				
INV TYPE:					VPWM					SL HZ					0.5	CHP					60	TO					90	1.5:1																															
WK2	11.7					LBFT2					MAX RPM					2700	CT					6	TO					60	10:1																														
MAG CUR					42/21															VT					3	TO					60	20:1																											
																														MEETS INTENT OF IEEE-45																				FOR WEATHER PROTECTION									
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AC Induction Motor Performance Data

Record # 104337

Typical performance - not guaranteed values

Winding: 12WGZ347-R001			Type: 1288M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		40	Full Load Torque		118.2 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		92/46	Breakdown Torque		414 LB-FT		
R.P.M.		1775	Pull-up Torque		230 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		279 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		409 A
Service Factor (S.F.)		1.15	No-load Current		21.2 A		
NEMA Nom. Eff.		95	Power Factor	85	Line-line Res. @ 25°C		0.10417 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C
S.F. Amps					Temp. Rise @ S.F. Load		52°C
					Locked-rotor Power Factor		24.9

Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	82	85	86	84
Efficiency	90.8	94.3	95.2	95.2	95	94.7	95.1
Speed	1796.2	1792.3	1788.5	1784.3	1780.2	1775	1782
Line amperes	23.9	30.3	38.6	48	58.2	69.1	54.1

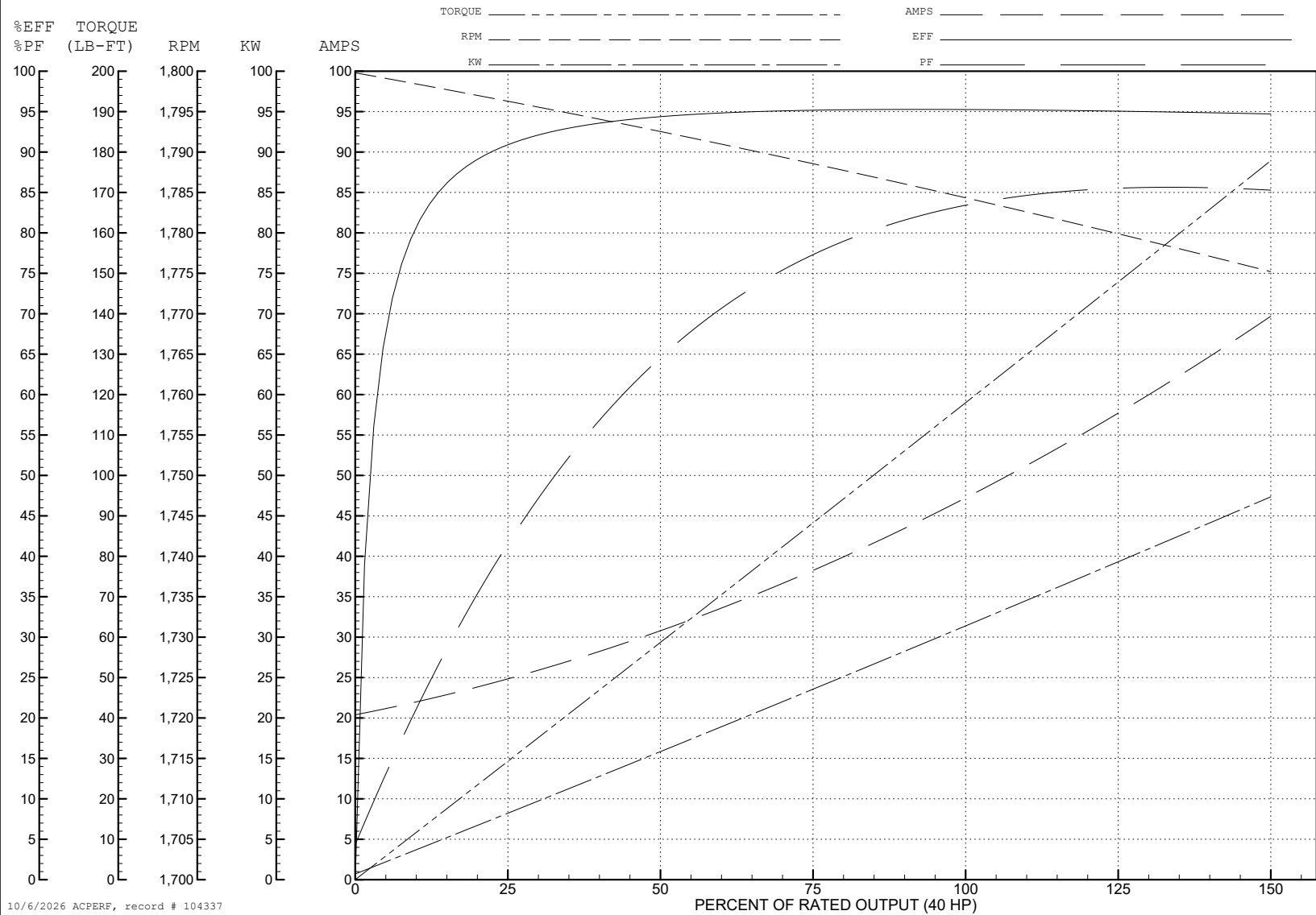
ABB Motors and Mechanical Inc.

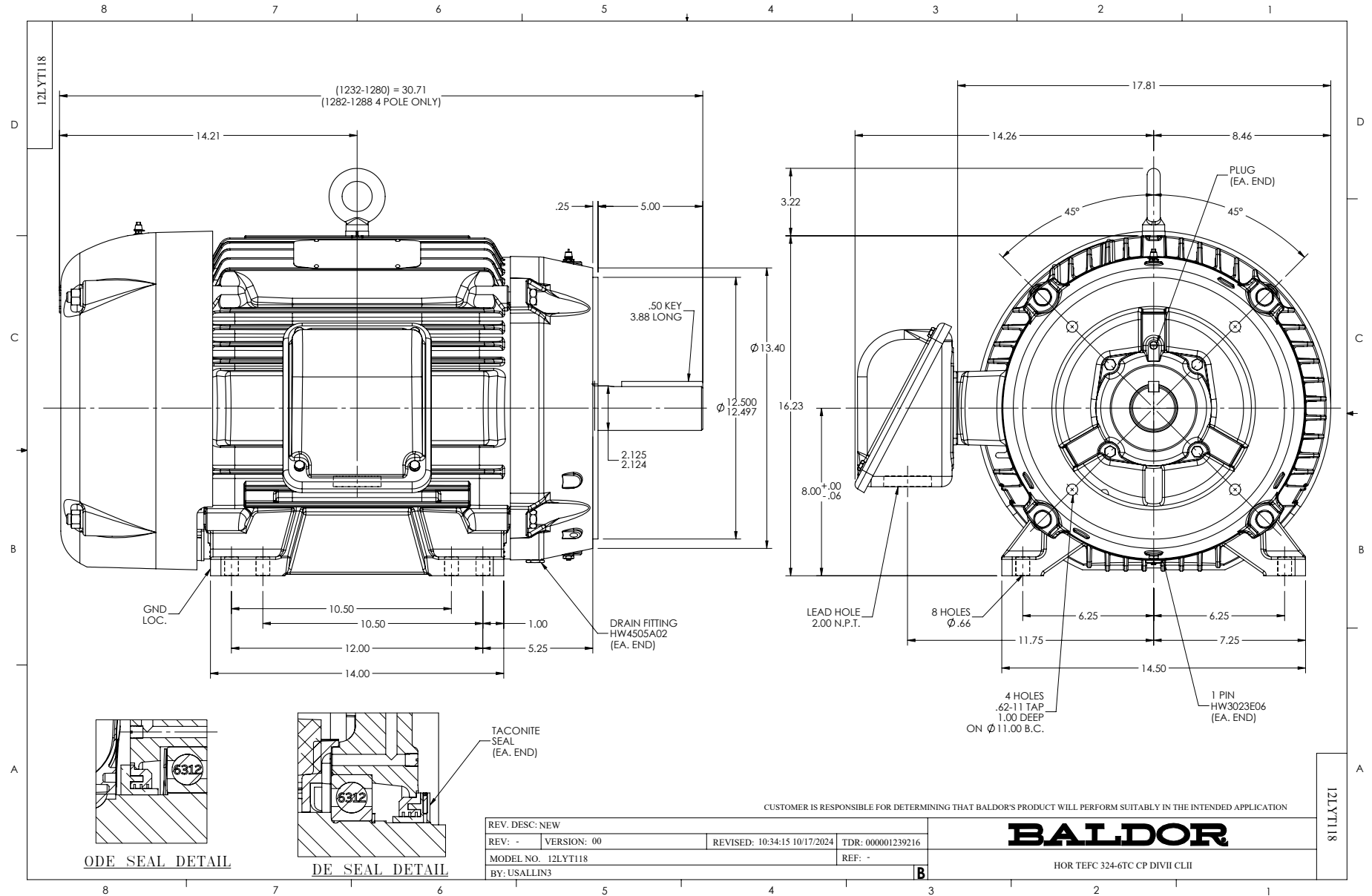
WINDING # 12WGZ347

Typical performance - not guaranteed values.

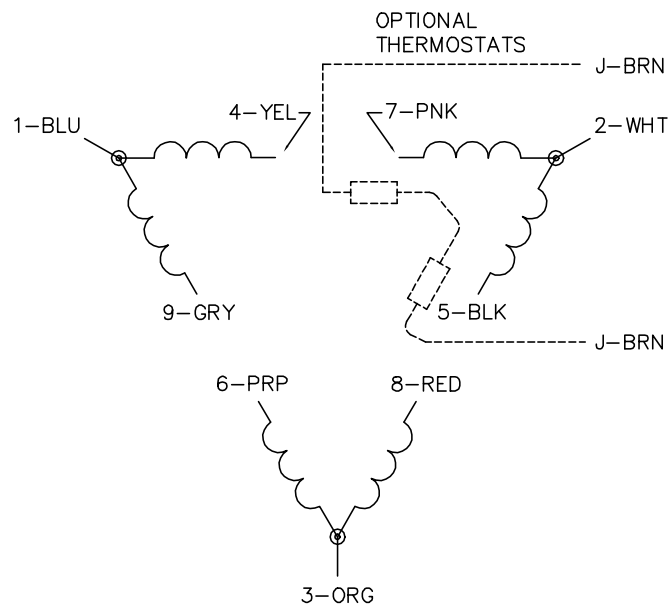
40 HP 3 PH 60 HZ 1775 RPM 460 V 1288M

TORQUES (LB-FT): PO=414 PU=230 LR=279 LRA=409

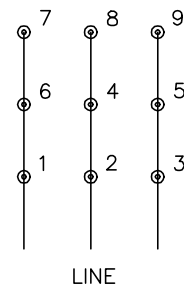




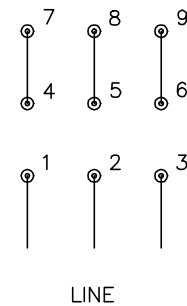
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

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