

ABB BALDOR RELIANCE III

Customer information packet

ECP64110TR-4

40HP, 1770RPM, 3PH, 60HZ, 324T, 1260M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	324T
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	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Mobilith SHC220, HC9455
Blower	None
Constant Torque Speed Range	1
Current @ Voltage	46.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	661
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

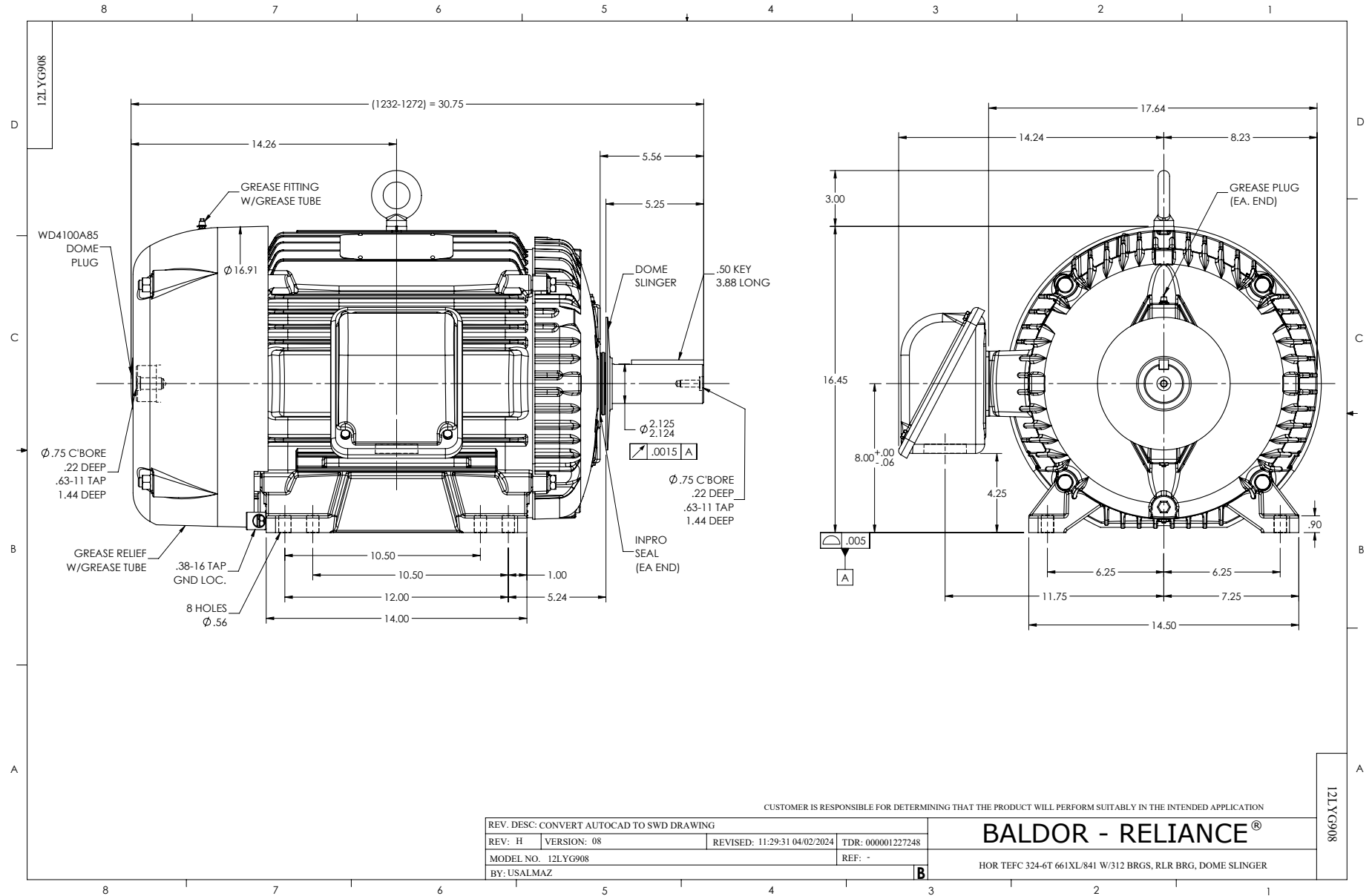
Revision	X
Type	AC
Mech. spec.	12G908
Base	
Status	PRD/A
Elec. spec.	12WGY762
Layout	12LYG908
Eff. date	11-03-2025
CD Diagram	CD0006
Poles	04
Leads	3#8
Proprietary	False
Created date	09-18-2014

Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	46.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 8 AWG
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	1260M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.76 IN
Power Factor	86
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
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	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

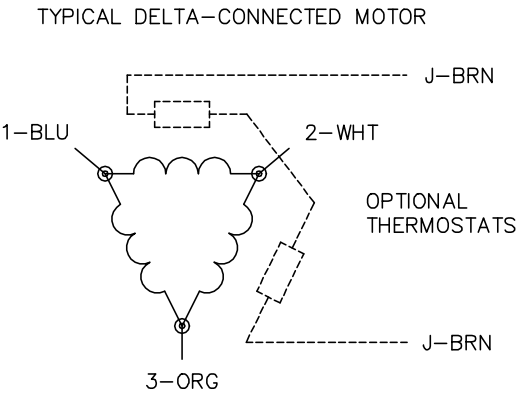
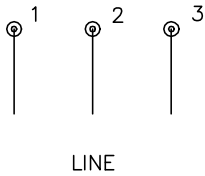
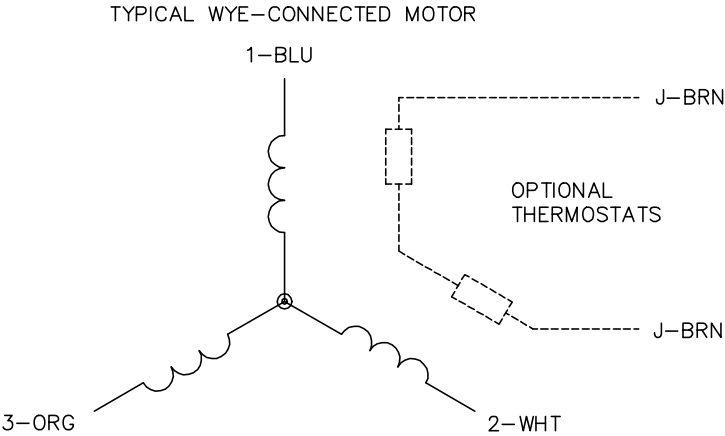
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate
NP4367

CAT.NO.	ECP64110TR-4			CUST. P/N						ENCL	TEFC					
SPEC.	12G908Y762G1			CC	010A	FRAME	324T		SER.NO.							
HP	40			CLASS		F	HZ	60	ODE BRG	6312	DE BRG	NU312				
R.P.M.	1770	MAX. R.P.M.		2700		PH.	3	DES.	B	ABMA DE BRG		60RU03X30X				
VOLTS	460			CODE		G	ABMA ODE BRG		60BC03X30X							
AMPS	46			MOTOR WT.			600	LUBRICATION		MOBIL SHC 222						
RATING	40C AMB-CONT				MAX. KVAR			8.3	BLANK	AIR COOLED HEAT						
NEMA NOM. EFF.	94.1	# OF ROTOR BARS			40	SER.F.	1.15	IP	56	EXCHANGER						
GUAR.MIN.EFF	93	# OF STATOR SLOTS			48	P.F.	86	1.0 S.F. ON		PWM						
TEMP CODE	T3	INVERTER TEMP CODE:TEMP=						200								
TEMP =	200	CHP	60	TO	90											
CT	1	TO	60													
VOLTS		AMPS		WATTS		MAX. SPACE HEATER TEMP.							VT	O	TO	60



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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