ABB BALDOR RELIANCE

Customer information packet

ECP64110TR-4

40HP, 1770RPM, 3PH, 60HZ, 324T, 1260M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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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

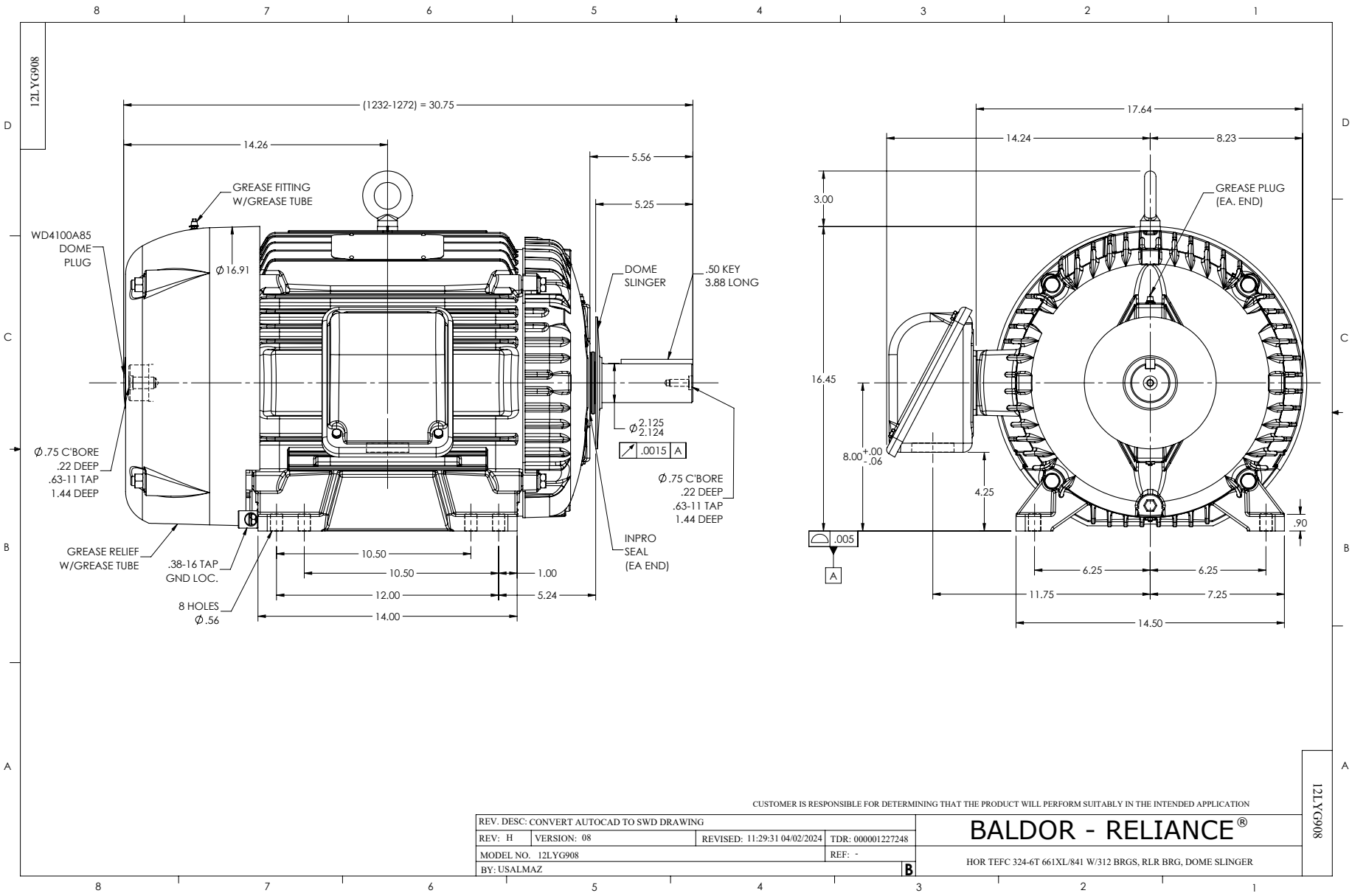
Revision	X
Type	AC
Mech. spec.	12G908
Base	
Status	PRD/A
Elec. spec.	12WGY762
Layout	12LYG908
Eff. date	11-03-2025
CD Diagram	CD0006
Poles	04
Leads	3#8
Proprietary	False
Created date	09-18-2014

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

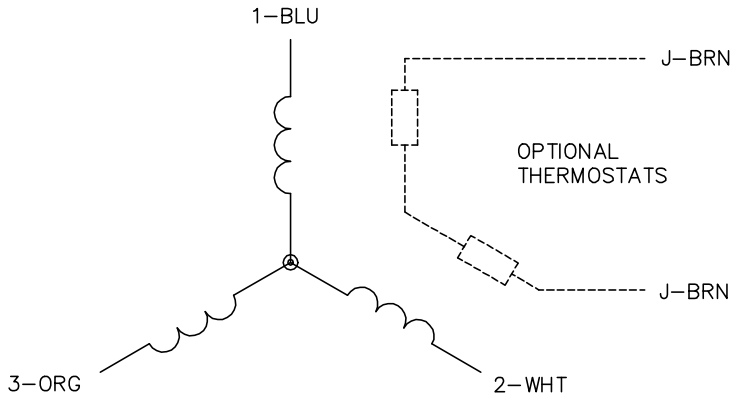
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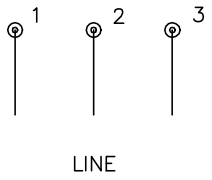
NP4367													
CAT.NO.	ECP64110TR-4			**CUST. P/N**				**ENCL**	TEFC				
SPEC.	12G908Y762G1		**CC**	010A	**FRAME**	324T		**SER.NO.**					
HP	40			**CLASS**	F	**HZ**	60	**ODE BRG**	6312	**DE BRG**	NU312		
R.P.M.	1770	**MAX. R.P.M.**	2700	**PH.**	3	**DES.**	B	**ABMA DE BRG**	60RU03X30X				
VOLTS	460			**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		


12LYG908
(1232-1272) = 30.75
14.26
5.56
5.25
GREASE FITTING
W/GREASE TUBE
WD4100A85
DOME
PLUG
Ø16.91
DOME
SLINGER
.50 KEY
3.88 LONG
Ø2.125
2.124
.0015 A
Ø.75 C'BORE
.22 DEEP
.63-11 TAP
1.44 DEEP
Ø.75 C'BORE
.22 DEEP
.63-11 TAP
1.44 DEEP
INPRO
SEAL
(EA END)
GREASE RELIEF
W/GREASE TUBE
.38-16 TAP
GND LOC.
8 HOLES
Ø.56
10.50
10.50
1.00
12.00
5.24
14.00
17.64
14.24
8.23
3.00
GREASE PLUG
(EA. END)
16.45
8.00 +.00 -.06
4.25
.005
A
.90
6.25
6.25
11.75
7.25
14.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD TO SWD DRAWING
REV: H
VERSION: 08
REVISED: 11:29:31 04/02/2024
TDR: 000001227248
MODEL NO. 12LYG908
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HOR TEFC 324-6T 661XL/841 W/312 BRGS, RLR BRG, DOME SLINGER
12LYG908

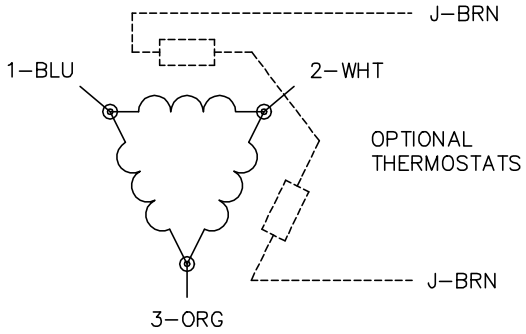
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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

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FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

SH 1 of 1