ABB BALDOR RELIANCE

Customer information packet

ECP84108T-4

30HP, 3525RPM, 3PH, 60HZ, 286TS, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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11/22/2026 10:09:51 AM

Specifications

Enclosure	TEFC
Frame	286TS
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	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	1.3
Current @ Voltage	34.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3

Part Detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	10WGZ522
Layout	10LYJ567
Eff. date	09-26-2025
CD Diagram	CD0006
Poles	02
Leads	3#10
Proprietary	False
Created date	12-06-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 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	5400 rpm
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	1048M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	26.57 IN
Power Factor	90
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3525 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

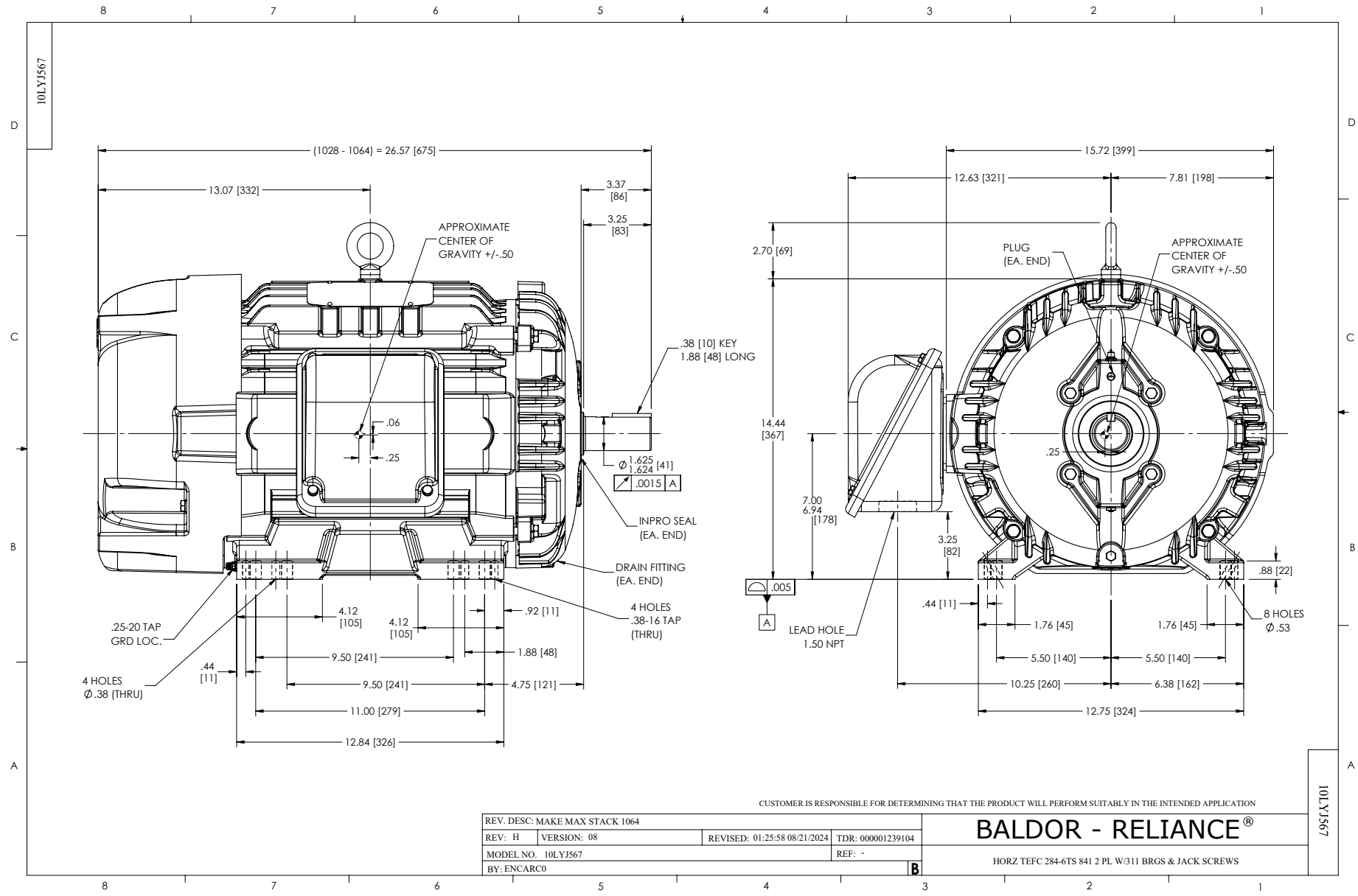
Nameplate

NP4332

CAT.NO.	ECP84108T-4			**P/N**				**ENCLOSURE**	TEFC			
SPEC.	10-0000-0397		**CC**	010A	**FRAME**	286TS		**S/N**				
HP	30			**CLASS**	F	**HZ**	60	**ODE BRG**	6311	**DE BRG**	6311	
RPM	3525	**RPM MAX**	5400	**PH**	3	**DES**	B	**D.E. BRG.**	55BC03X30X			
VOLT	460			**KVA-CODE**	G			**O.D.E. BRG.**	55BC03X30X			
AMP	34			**MOTOR WEIGHT**	442	**GREASE**	POLYREX EM					
RATING	40C AMB-CONT			**MAX. KVAR**	3.7	**BLANK**						
NEMA-NOM-EFF	91.7	**# OF ROTOR BARS**	28	**SER.F.**	1.15	**IP**	56					
G.MIN.EFF	90.2	**# OF STATOR SLOTS**	36	**PF**	90	**INV.TYPE**	PWM					
TEMP CODE	T3	**INVERTER-TEMP-CODE**	200									
TEMP =	200	**C HP FR**	60	**C HP TO**	90							
CT HZ FROM	1.3	**CT HZ TO**	60									
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**		**MAX. SPACE HEATER TEMP.**		**VT HZ FROM**	0-	**VT HZ TO**	60	

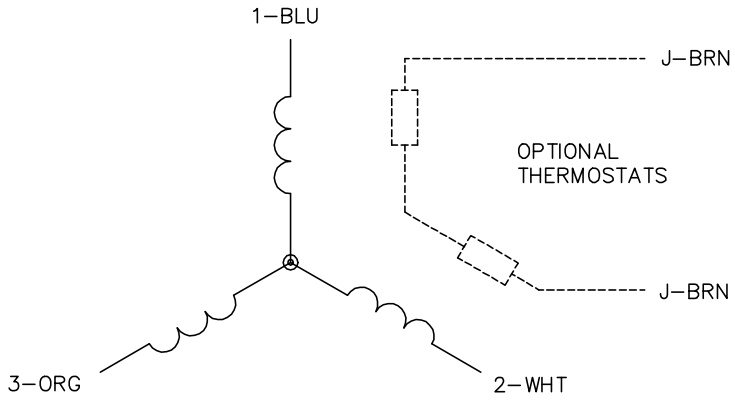
Accessories

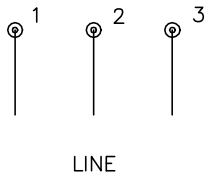
Part number	Description	Multiplier
10EP1305A129P	PUEP MACH,INPRO,EPOXY (10EP1110A01 SWAP)	P1


10LYJ567
(1028 - 1064) = 26.57 [675]
13.07 [332]
3.37 [86]
3.25 [83]
APPROXIMATE CENTER OF GRAVITY +/-.50
.38 [10] KEY 1.88 [48] LONG
.06
.25
Ø 1.625 1.624 [41]
.0015 A
INPRO SEAL (EA. END)
DRAIN FITTING (EA. END)
4 HOLES .38-16 TAP (THRU)
.25-20 TAP GRD LOC.
4.12 [105]
4.12 [105]
.92 [11]
1.88 [48]
9.50 [241]
.44 [11]
4 HOLES Ø.38 (THRU)
9.50 [241]
4.75 [121]
11.00 [279]
12.84 [326]
15.72 [399]
12.63 [321]
7.81 [198]
2.70 [69]
PLUG (EA. END)
APPROXIMATE CENTER OF GRAVITY +/-.50
14.44 [367]
7.00 6.94 [178]
.25
3.25 [82]
.005
A
LEAD HOLE 1.50 NPT
.44 [11]
.88 [22]
1.76 [45]
1.76 [45]
8 HOLES Ø.53
5.50 [140]
5.50 [140]
10.25 [260]
6.38 [162]
12.75 [324]
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: MAKE MAX STACK 1064
REV: H
VERSION: 08
REVISED: 01:25:58 08/21/2024
TDR: 000001239104
MODEL NO. 10LYJ567
REF: -
BY: ENCARC0
B
BALDOR - RELIANCE®
HORZ TEFC 284-6TS 841 2 PL W/311 BRGS & JACK SCREWS
10LYJ567

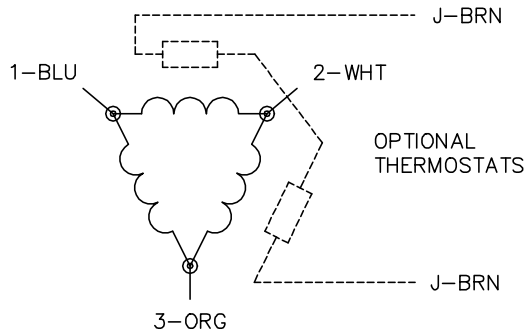
CD0006

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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
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