ABB BALDOR RELIANCE

Customer information packet

SPM4111T

25HP, 1185RPM, 3PH, 60HZ, 324T, 1272M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	324T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
	NEMA PREMIUM
	NEMA_PREMIUM
	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	31.000 A @ 460.0 V
	62.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	D
Type	AC
Mech. spec.	12T116
Base	
Status	PRD/A
Elec. spec.	12WGZ342
Layout	12LYT116
Eff. date	04-17-2026
CD Diagram	CD0005
Poles	06
Leads	9#8
Proprietary	False
Created date	10-02-2023

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	31.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1272M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.71 IN
Power Factor	83
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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	1185 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

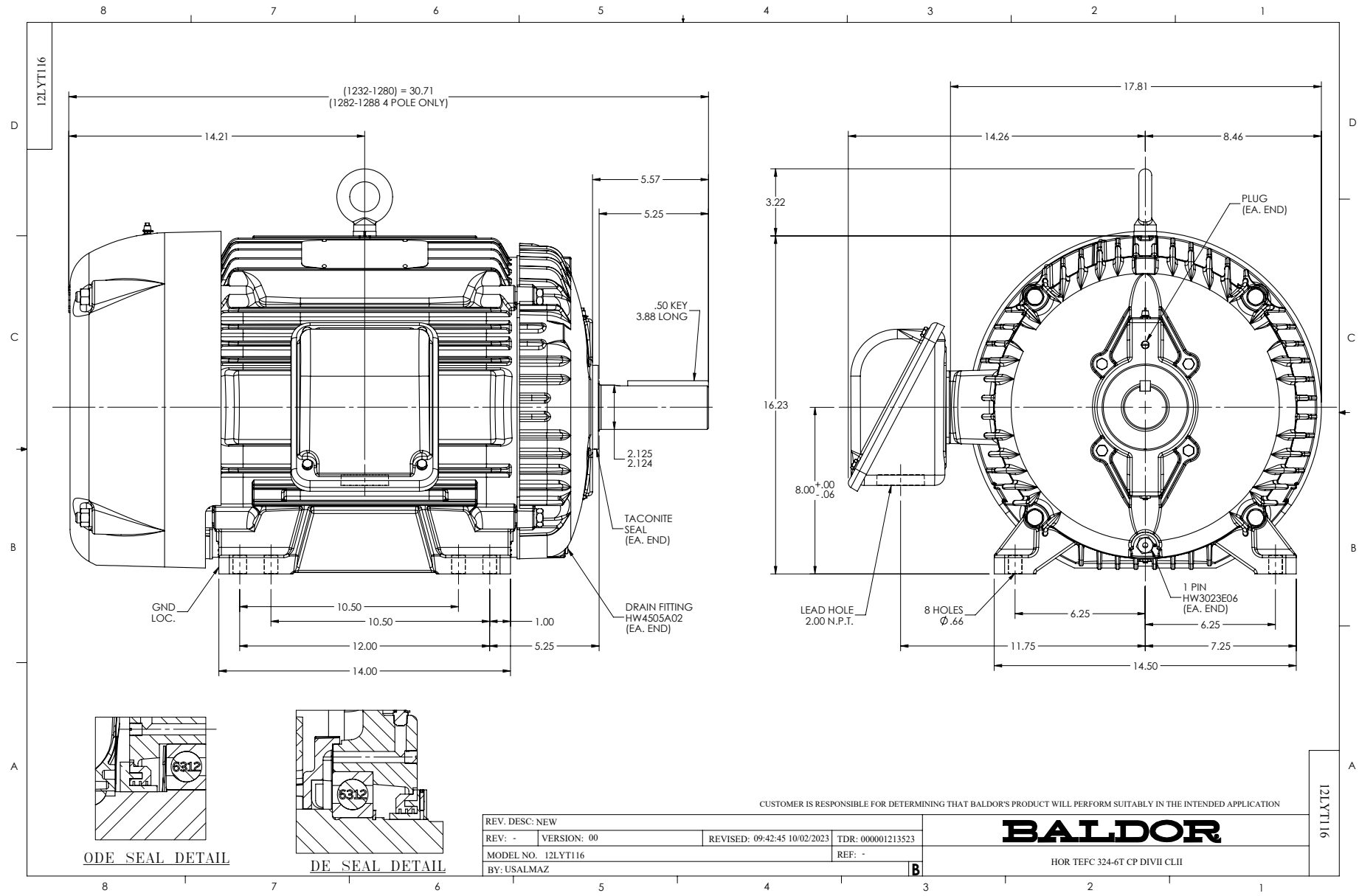
NP4439B01C23L

CAT #	SPM4111T	**SER #**		**CC**	010A	**WGT**	680	**LBS**			
SPEC	12T116Z342	**FRAME**	324T	**ENCL**	TEFC	**IP**	55				
RATING	40C AMB-CONT			**NEMA NOM. EFF**	94.1						
HP	25	**VOLTS**	230/460								
AMPS	62/31	**RPM**	1185	**HZ**	60						
PH	3	**CL**	F	**CODE**	J	**DES**	A	**PF**	83	**%**	
SER.F.	1.15	**SF AMP**									
DE BRG	6312	**ODE BRG**	6312	**LUBE**	POLYREX EM						
INV TYPE:	**VPWM**	**SL HZ**	0.8	**CHP**	60	**TO**	90	1.5:1			
WK2	13.8	**LBFT2**	**MAX RPM**	1800	**CT**	6	**TO**	60	10:1		
MAG CUR	29/14.5	**VT**	3	**TO**	60	20:1					

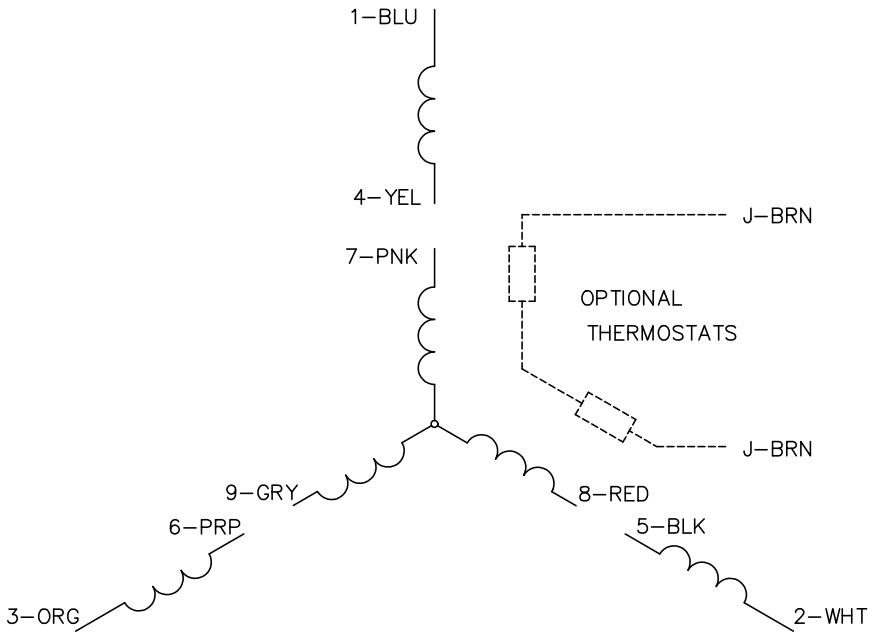
MEETS INTENT OF IEEE-45 **FOR WEATHER PROTECTION**

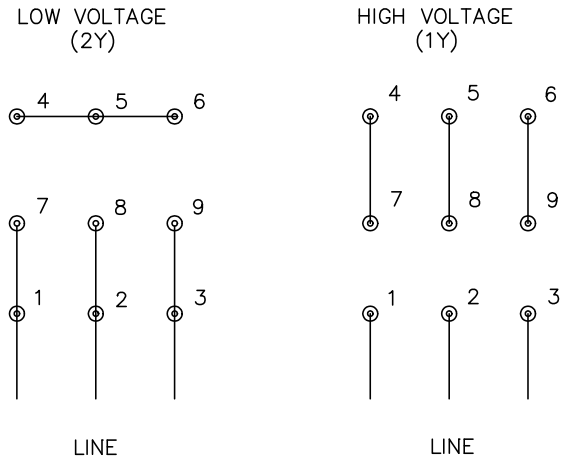
CL I DIV 2 GRPS A,B,C,D	**TEMP CODE**	T3C	**CL I INV TEMP CODE**	T3	**TEMP=**	200			
CL I ZONE 2 GRPS	**IIA,IIB,IIC**	**TEMP =**	160	**CL II INV TEMP CODE**	T3	**TEMP =**	200	**C**	
CL II DIV 2 GRPS F&G	**TEMP CODE**	T3C	**1.0 SF ON PWM INVERTER**	**POWER**					
CL II ZONE 22 GRPS IIIB	**TEMP=**	160							

YR


12LYT116
(1232-1280) = 30.71
(1282-1288 4 POLE ONLY)
14.21
5.57
5.25
.50 KEY
3.88 LONG
2.125
2.124
TACONITE
SEAL
(EA. END)
GND
LOC.
10.50
10.50
1.00
12.00
5.25
14.00
DRAIN FITTING
HW4505A02
(EA. END)
17.81
14.26
8.46
3.22
PLUG
(EA. END)
16.23
8.00 +.00 -.06
LEAD HOLE
2.00 N.P.T.
8 HOLES
Ø.66
6.25
6.25
1 PIN
HW3023E06
(EA. END)
11.75
7.25
14.50
6312
ODE SEAL DETAIL
6312
DE SEAL DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 09:42:45 10/02/2023 TDR: 000001213523
MODEL NO. 12LYT116 REF: -
BY: USALMAZ B
BALDOR
HOR TEFC 324-6T CP DIVII CLII
12LYT116

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS