ABB BALDOR RELIANCE

Customer information packet

SPM4103T

25HP, 1780RPM, 3PH, 60HZ, 284T, 1076M, TEFC, F1
Class - None
Division - Not Applicable

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11/19/2026 12:55:53 AM

Specifications

Enclosure	TEFC
Frame	284T
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	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CURUSEEV
	NEMA PREMIUM
	NEMA_PREMIUM
	WEEE
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	58.000 A @ 230.0 V
	29.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	E
Type	AC
Mech. spec.	10T012
Base	
Status	PRD/A
Elec. spec.	10WGZ890
Layout	10LYT012
Eff. date	04-17-2026
CD Diagram	CD0005
Poles	04
Leads	9#10 Y
Proprietary	False
Created date	10-03-2023

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	29.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1076M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	28.00 IN
Power Factor	82
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 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 # SPM4103T **SER #** **CC** 010A **WGT** 490 **LBS**

SPEC 10T012Z890 **FRAME** 284T **ENCL** TEFC **IP** 55

RATING 40C AMB-CONT **NEMA NOM. EFF** 94.5

HP 25 **VOLTS** 230/460

AMPS 58/29 **RPM** 1780 **HZ** 60

PH 3 **CL** F **CODE** J **DES** A **PF** 82 **%** **SER.F.** 1.15 **SF AMP**

DE BRG 6311 **ODE BRG** 6311 **LUBE** POLYREX EM

INV TYPE: **VPWM** **SL HZ** 0.8 **CHP** 60 **TO** 90 1.5:1

WK2 6.97 **LBFT2** **MAX RPM** 2700 **CT** 6 **TO** 60 10:1

MAG CUR 22/11 **VT** 3 **TO** 60 20:1

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

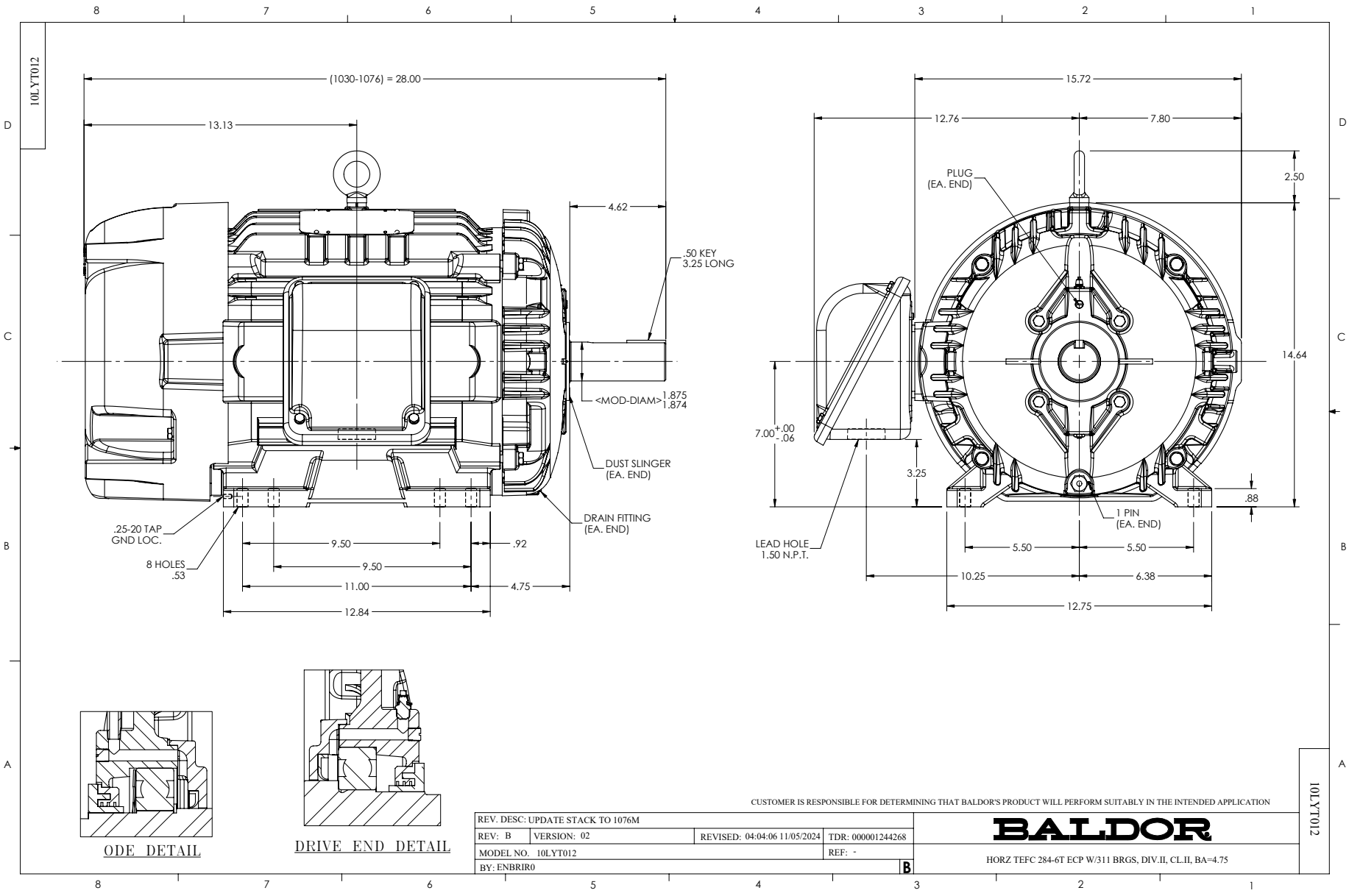
CL I DIV 2 GRPS A,B,C,D **TEMP CODE** T3C **CL I INV TEMP CODE** T3A **TEMP=** 180

CL I ZONE 2 GRPS **IIA,IIB,IIC** **TEMP =** 160 **CL II INV TEMP CODE** T3A **TEMP =** 180 **C**

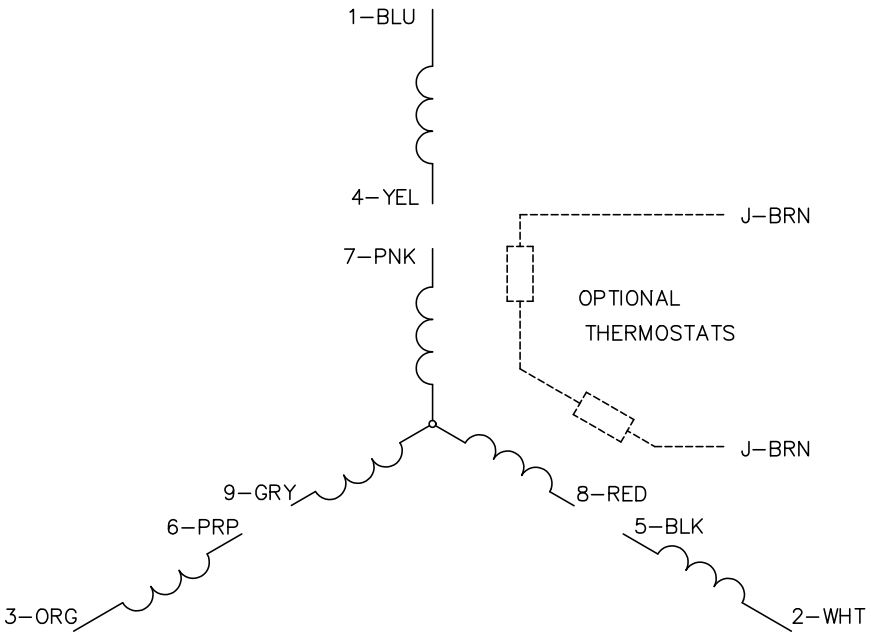
CL II DIV 2 GRPS F&G **TEMP CODE** T3C **1.0 SF ON PWM INVERTER** **POWER**

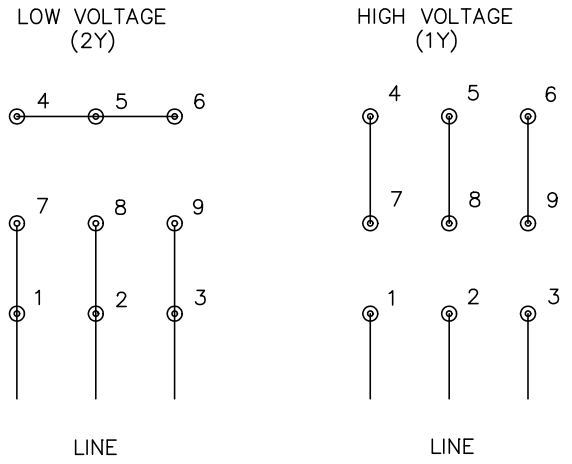
CL II ZONE 22 GRPS IIIB **TEMP=** 160

YR


10LYT012
(1030-1076) = 28.00
13.13
4.62
.50 KEY
3.25 LONG
<MOD-DIAM> 1.875 1.874
DUST SLINGER
(EA. END)
DRAIN FITTING
(EA. END)
.25-20 TAP
GND LOC.
8 HOLES
.53
9.50
9.50
11.00
12.84
.92
4.75
15.72
12.76
7.80
PLUG
(EA. END)
2.50
14.64
7.00 +.00 -.06
3.25
.88
1 PIN
(EA. END)
LEAD HOLE
1.50 N.P.T.
5.50
5.50
10.25
6.38
12.75
ODE DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE STACK TO 1076M
REV: B
VERSION: 02
REVISED: 04:04:06 11/05/2024
TDR: 000001244268
MODEL NO. 10LYT012
REF: -
BY: ENBRIR0
B
BALDOR
HORZ TEFC 284-6T ECP W/311 BRGS, DIV.II, CL.II, BA=4.75
10LYT012

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