ABB BALDOR RELIANCE

Customer information packet

CTM4103T

25HP, 1760RPM, 3PH, 60HZ, 284T, 0956M, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
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
	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
Current @ Voltage	63.000 A @ 208.0 V
	58.000 A @ 230.0 V
	29.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	Y
Type	AC
Mech. spec.	09G947
Base	
Status	PRD/A
Elec. spec.	09WGX998
Layout	09LYG947
Eff. date	11-14-2023
CD Diagram	CD0005
Poles	04
Leads	9#10
Proprietary	False
Created date	01-01-0001

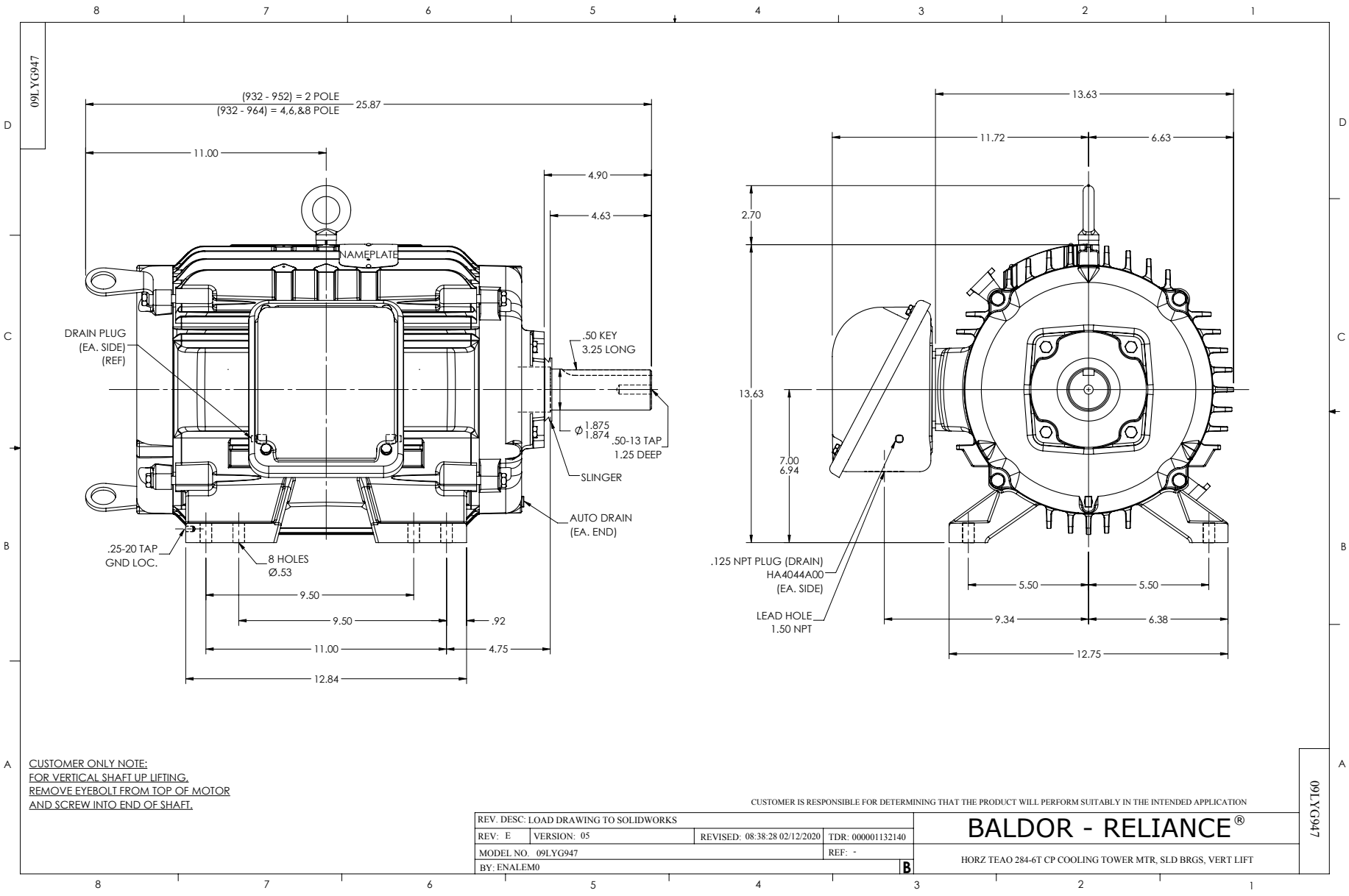
High Voltage Full Load Amps	29.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0956M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	25.87 IN
Power Factor	84
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

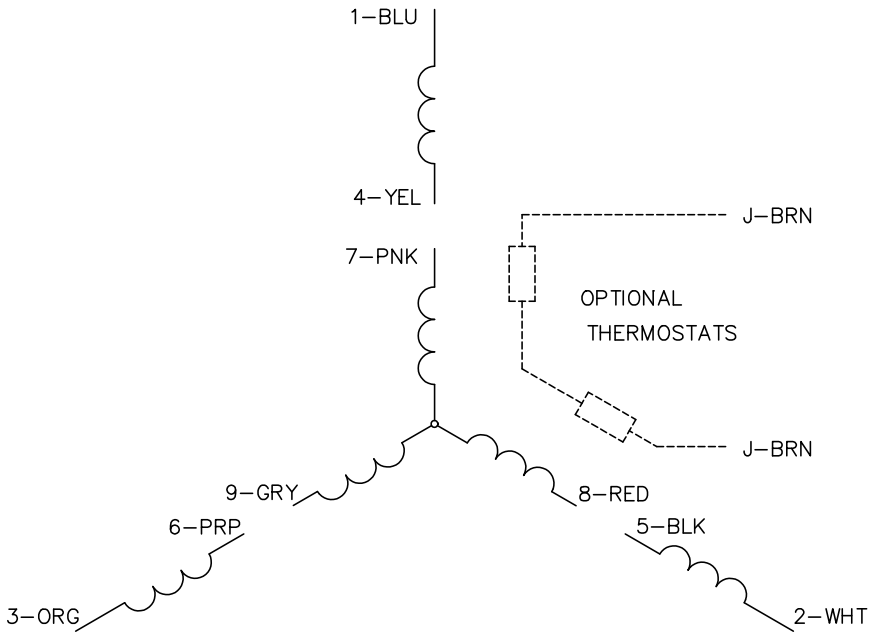
NP1258									
CAT.NO.	CTM4103T								
SPEC.	09G947X998G1								
HP	25								
VOLTS	230/460								
AMP	58/29								
RPM	1760								
FRAME	284T	**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	H	**DES**	B		**CL**	F	
NEMA-NOM-EFF	92.4	**PF**	84						
RATING	40C AMB-CONT								
CC									
DE	6311	**ODE**	6208						
ENCL	TEAO	**SN**							

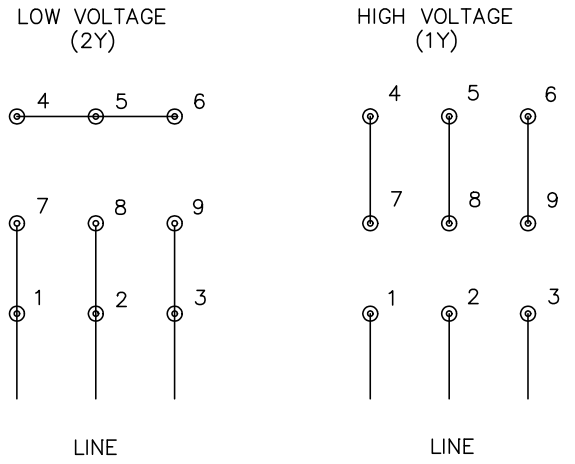
Accessories

Part number	Description	Multiplier
09-1310	C FACE KIT	A8


09LYG947
(932 - 952) = 2 POLE
(932 - 964) = 4,6,&8 POLE
25.87
11.00
4.90
4.63
NAMEPLATE
DRAIN PLUG
(EA. SIDE)
(REF)
.50 KEY
3.25 LONG
Ø 1.875
1.874
.50-13 TAP
1.25 DEEP
SLINGER
AUTO DRAIN
(EA. END)
.25-20 TAP
GND LOC.
8 HOLES
Ø.53
9.50
9.50
.92
11.00
4.75
12.84
13.63
11.72
6.63
2.70
13.63
7.00
6.94
.125 NPT PLUG (DRAIN)
HA4044A00
(EA. SIDE)
LEAD HOLE
1.50 NPT
5.50
5.50
9.34
6.38
12.75
CUSTOMER ONLY NOTE:
FOR VERTICAL SHAFT UP LIFTING,
REMOVE EYEBOLT FROM TOP OF MOTOR
AND SCREW INTO END OF SHAFT.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: E
VERSION: 05
REVISED: 08:38:28 02/12/2020
TDR: 000001132140
MODEL NO. 09LYG947
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ TEAO 284-6T CP COOLING TOWER MTR, SLD BRGS, VERT LIFT
09LYG947

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