ABB BALDOR RELIANCE

Customer information packet

EM3311T-58

7.5HP, 1460RPM, 3PH, 50HZ, 213T, 3736M, OPSB, F
Class - None
Division - Not Applicable

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11/15/2026 5:59:52 AM

Specifications

Enclosure	OPSB
Frame	213T
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	400.0 V @ 50 HZ
Agency Approvals	CE
	CURUS
	IE3
	UKCA
	WEEE
	C UR US
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	10.800 A @ 400.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

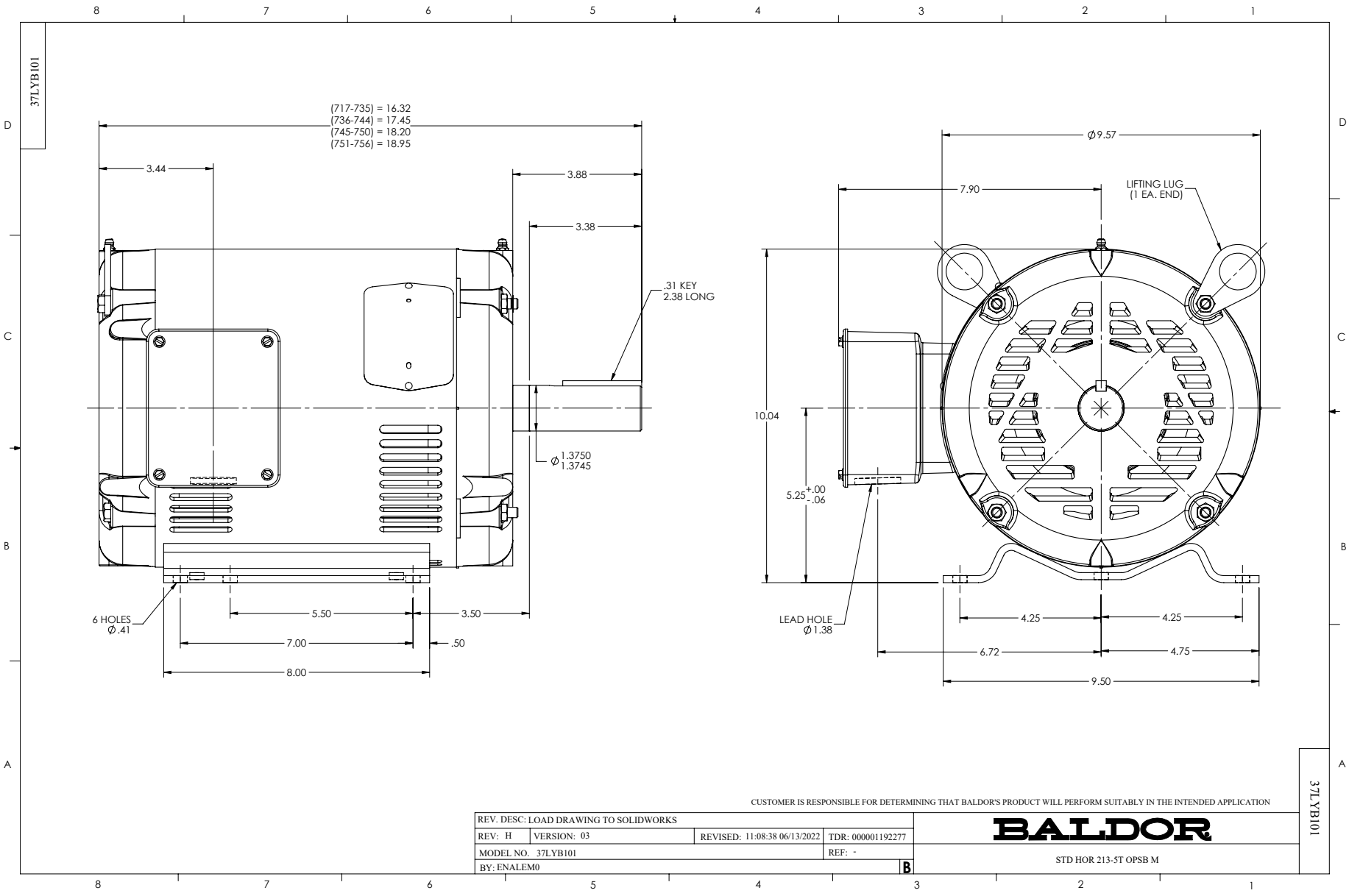
Revision	J
Type	AC
Mech. spec.	37B101
Base	
Status	PRD/A
Elec. spec.	37WGS060
Layout	37LYB101
Eff. date	11-08-2024
CD Diagram	CD0382
Poles	04
Leads	6#14
Proprietary	False
Created date	12-22-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	10.8 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3736M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 IN
Power Factor	82
Product Family	General Purpose
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	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1460 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

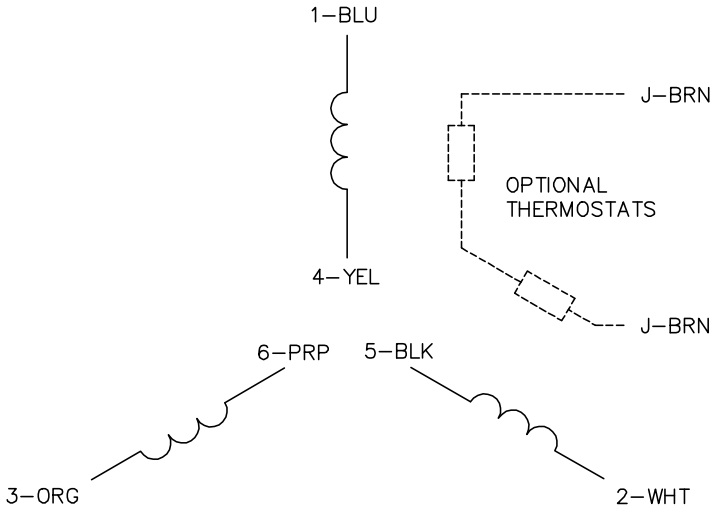
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

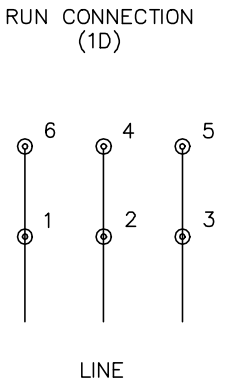
Nameplate

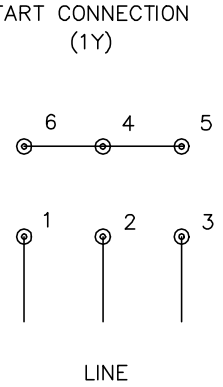
NP2716L									
CAT NO	EM3311T-58								
SPEC.	37B101S060G1								
HP	7.5/5.5KW				**PH**	3			
VOLTS	400								
AMP	10.8								
R.P.M. (1/MIN)	1460								
FRAME	213T		**HZ**	50			**I.P.**	23	
SER.F.	1.15	**CODE**	H	**DES**	B		**CL**	F	
NOM.EFF.	89.6			**% (100%)**					
PF	82								
RATING	40C AMB-S1 CONT				**CC**				
DE BRG	6307		**ODE**	6206					
ENCL	OPSB	**SN**							
BLANK	IE3-90.7(75%)90.6(50%)								
	IC01 58KG								


37LYB101
(717-735) = 16.32
(736-744) = 17.45
(745-750) = 18.20
(751-756) = 18.95
3.44
3.88
3.38
.31 KEY
2.38 LONG
Ø1.3750
1.3745
6 HOLES
Ø.41
5.50
3.50
7.00
.50
8.00
Ø9.57
7.90
LIFTING LUG
(1 EA. END)
10.04
5.25 +.00 -.06
LEAD HOLE
Ø1.38
4.25
4.25
6.72
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: H
VERSION: 03
REVISED: 11:08:38 06/13/2022
TDR: 000001192277
MODEL NO. 37LYB101
REF: -
BY: ENALEM0
B
BALDOR
STD HOR 213-5T OPSB M
37LYB101

CD0382







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.
5. FOR ACROSS–THE–LINE STARTING, USE 'RUN' CONNECTION.

CD0382

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: F	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\243	REVISED: 09:05:32 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, SV, 6 LEADS, Y START/D RUN

SH 1 of 1