ABB BALDOR RELIANCE

Customer information packet

EJPM2542T

50HP, 3550RPM, 3PH, 60HZ, 324JP, 4248M, OPSB, F

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Specifications

Enclosure	OPSB
Frame	324JP
Frame Material	Steel
Frequency	60.00 Hz
Output @ Frequency	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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
Current @ Voltage	116.000 A @ 230.0 V
	58.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	58.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H

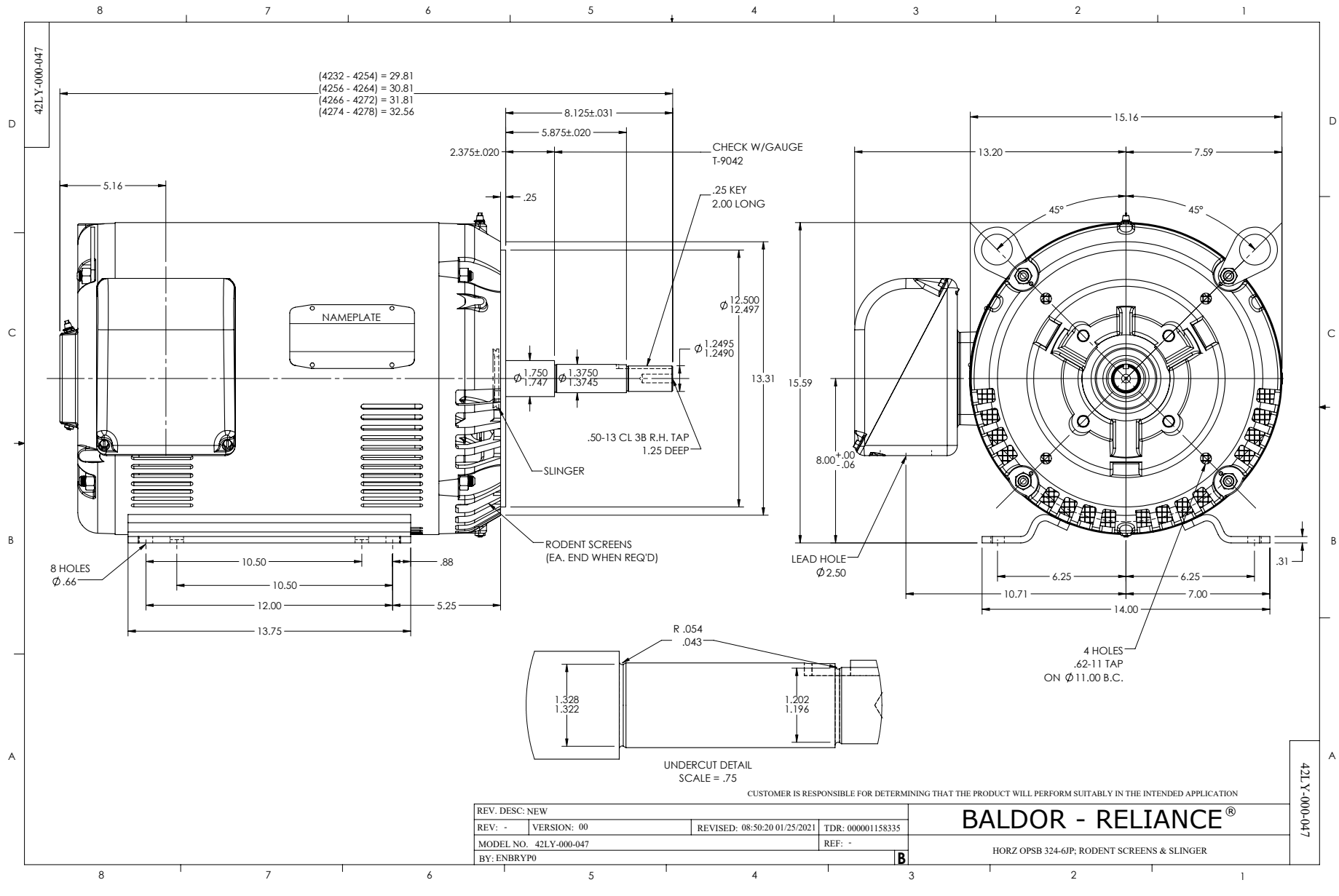
Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	42WGW284
Layout	42LY-000-047
Eff. date	11-29-2023
CD Diagram	CD0180
Poles	02
Leads	9#6
Proprietary	False
Created date	01-15-2021

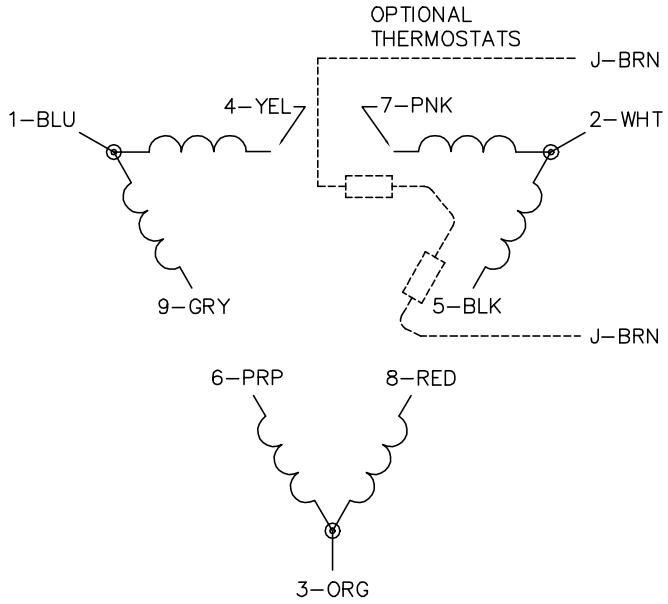
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4248M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	29.81 IN
Power Factor	87
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3550 rpm
Speed Code	Single Speed
Starting Method	Full Voltage
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

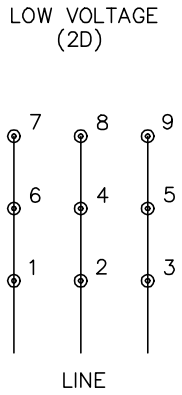
Nameplate

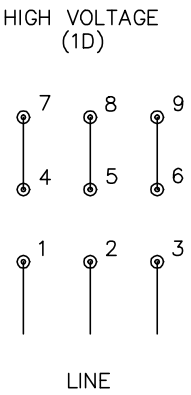
NP2138LUA												
CAT.NO.	EJPM2542T		**P/N**				**ENCLOSURE**	OPSB				
SPEC.	42-0000-0106	**CC**	010A		**FRAME**	324JP	**S/N**					
HP	50		**CLASS**	F	**HZ**	60						
RPM	3550		**PH**	3	**DES**	A						
VOLT	230/460			**KVA-CODE**	H		**ODE BRG**	6311	**DE BRG**	6312		
AMP	116/58											
RATING	40C AMB-CONT			**GREASE**	POLYREX EM							
NEMA-NOM-EFF	93	**PF**	87	**SER.F.**	1.15							
	50HZ 50HP 190/380V 138/69A					S.F. 1.0						
HTR-VOLTS		**HTR-AMPS**										


42LY-000-047
(4232 - 4254) = 29.81
(4256 - 4264) = 30.81
(4266 - 4272) = 31.81
(4274 - 4278) = 32.56
8.125±.031
5.875±.020
2.375±.020
CHECK W/GAUGE
T-9042
.25 KEY
2.00 LONG
5.16
.25
NAMEPLATE
Ø 12.500
12.497
Ø 1.2495
1.2490
Ø 1.750
1.747
Ø 1.3750
1.3745
13.31
.50-13 CL 3B R.H. TAP
1.25 DEEP
SLINGER
RODENT SCREENS
(EA. END WHEN REQ'D)
8 HOLES
Ø .66
10.50
10.50
12.00
13.75
.88
5.25
15.16
13.20
7.59
45°
45°
15.59
8.00 +.00 -.06
LEAD HOLE
Ø 2.50
6.25
6.25
10.71
7.00
14.00
.31
4 HOLES
.62-11 TAP
ON Ø 11.00 B.C.
R .054
.043
1.328
1.322
1.202
1.196
UNDERCUT DETAIL
SCALE = .75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 08:50:20 01/25/2021 TDR: 000001158335
MODEL NO. 42LY-000-047 REF: -
BY: ENBRYP0 B
BALDOR - RELIANCE®
HORZ OPSB 324-6JP; RODENT SCREENS & SLINGER
42LY-000-047

CD0180







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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1