ABB BALDOR RELIANCE

Customer information packet

VJPFPM2542T-5

50HP, 3525RPM, 3PH, 60HZ, 324JP, 4044M, OPSB, F

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/17/2026 8:44:57 PM

Specifications

Enclosure	OPSB
Frame	324JP
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	46.000 A @ 575.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	46.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads

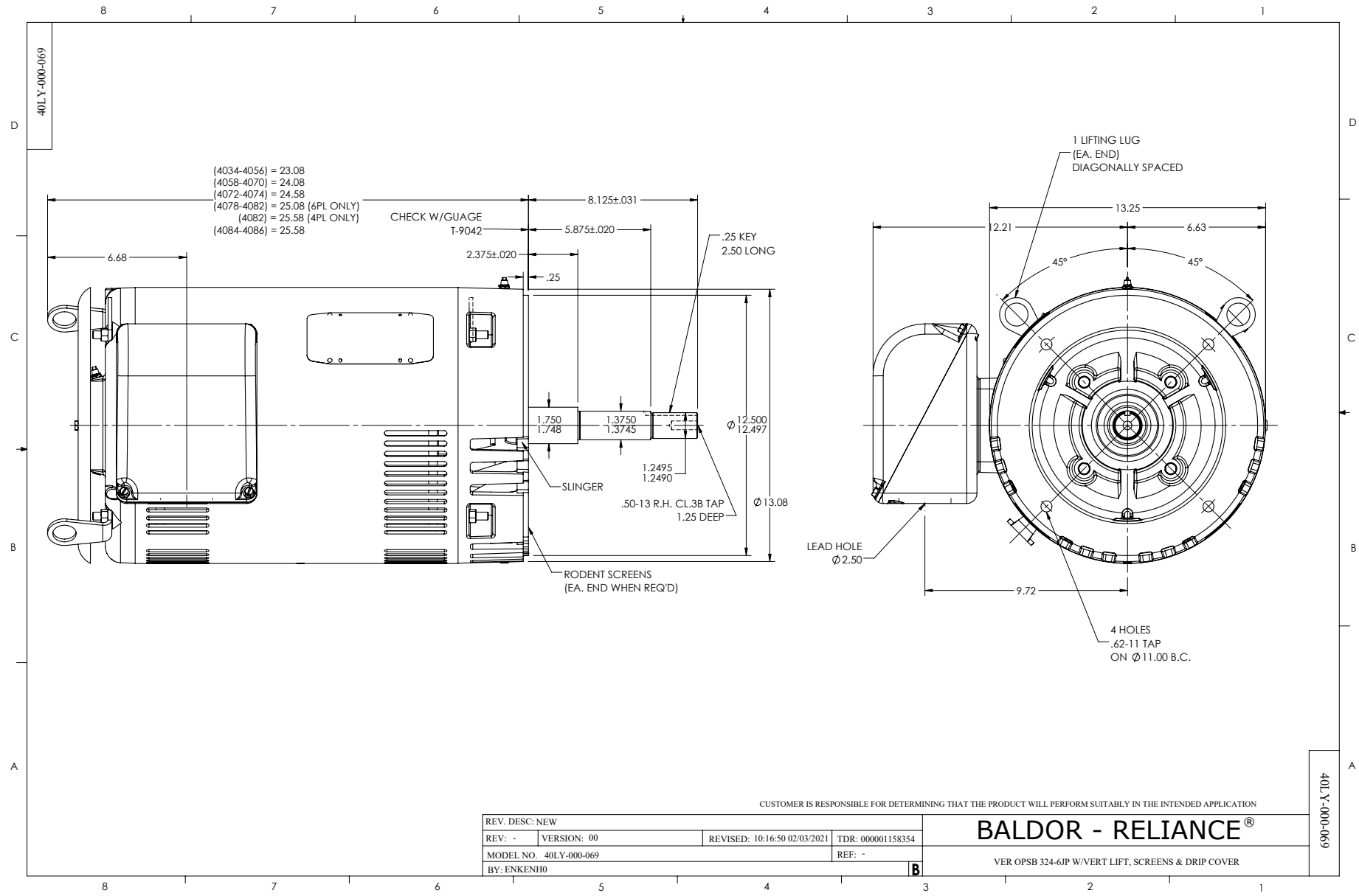
Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	40WGX356
Layout	40LY-000-069
Eff. date	08-01-2023
CD Diagram	CD0382
Poles	02
Leads	6#8
Proprietary	False
Created date	02-09-2021

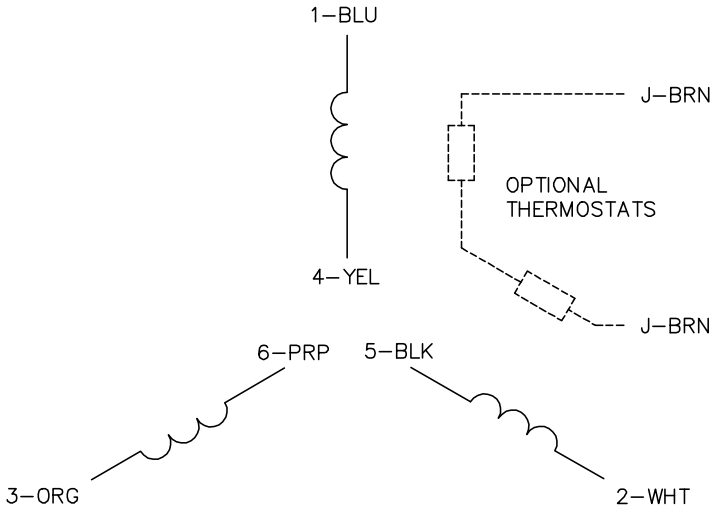
Motor Standards	NEMA
Motor Type	4044M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.21 IN
Power Factor	87
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3525 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

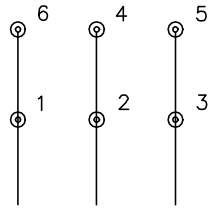
NP3454L												
CAT.NO.	VJPFPM2542T-5			**CUST P/N**				**I.P.**	23			
SPEC.	40-0000-0207			**SER.NO.**				**FRAME**	324JP			
HZ	60	**HP**	50	**RPM**	3525	**HZ**		**HP**		**RPM**		
VOLTS	575			**CODE**	F	**VOLTS**				**CODE**		
AMPS	46			**DES**	B	**AMPS**				**DES**		
EFF	92.4	**SER.F.**	1.15	**PF**	87	**EFF**		**SER.F.**			**PF**	
RATING	40C AMB-CONT			**DE BRG**	6312			**GREASE**	POLYREX EM			
BLANK				**ODE BRG**	6309			**MTR. WT.**	396			
				CLASS	F	**PH**	3					
				ENCL	OPSB	**CC**	010A					
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**								


40LY-000-069
(4034-4056) = 23.08
(4058-4070) = 24.08
(4072-4074) = 24.58
(4078-4082) = 25.08 (6PL ONLY)
(4082) = 25.58 (4PL ONLY)
(4084-4086) = 25.58
CHECK W/GUAGE
T-9042
8.125±.031
5.875±.020
2.375±.020
.25
.25 KEY
2.50 LONG
6.68
1.750
1.748
1.3750
1.3745
Ø 12.500
12.497
1.2495
1.2490
SLINGER
.50-13 R.H. CL.3B TAP
1.25 DEEP
Ø 13.08
RODENT SCREENS
(EA. END WHEN REQ'D)
1 LIFTING LUG
(EA. END)
DIAGONALLY SPACED
13.25
12.21
6.63
45°
45°
LEAD HOLE
Ø 2.50
9.72
4 HOLES
.62-11 TAP
ON Ø 11.00 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 10:16:50 02/03/2021 TDR: 000001158354
MODEL NO. 40LY-000-069 REF: -
BY: ENKENH0 B
BALDOR - RELIANCE®
VER OPSB 324-6JP W/VERT LIFT, SCREENS & DRIP COVER
40LY-000-069

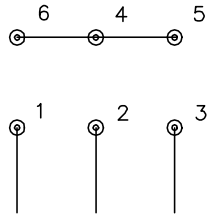
CD0382



RUN CONNECTION
(1D)



START CONNECTION
(1Y)



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