ABB BALDOR RELIANCE

Customer information packet

SPJMM2506T

7.5HP, 1180RPM, 3PH, 60HZ, 254JM, 3950M, OPSB
Class - None
Division - Not Applicable

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9/7/2026 3:21:36 AM

Specifications

Enclosure	OPSB
Frame	254JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	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	11.000 A @ 460.0 V
	22.000 A @ 230.0 V
	26.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	11.0 a
Insulation Class	F

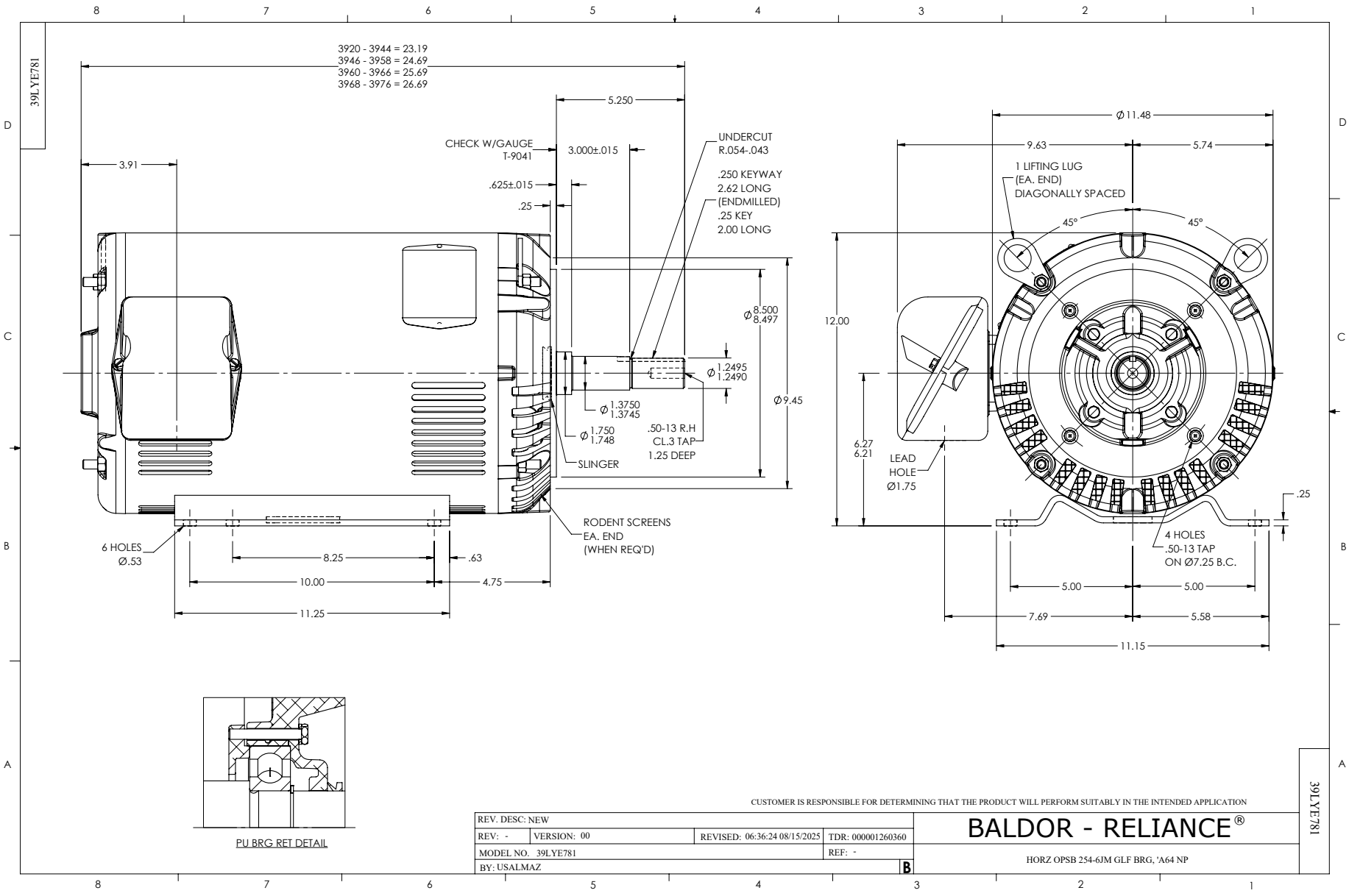
Part Detail

Revision	A
Type	AC
Mech. spec.	39E781
Base	
Status	PRD/A
Elec. spec.	39WGW951
Layout	39LYE781
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	08-15-2025

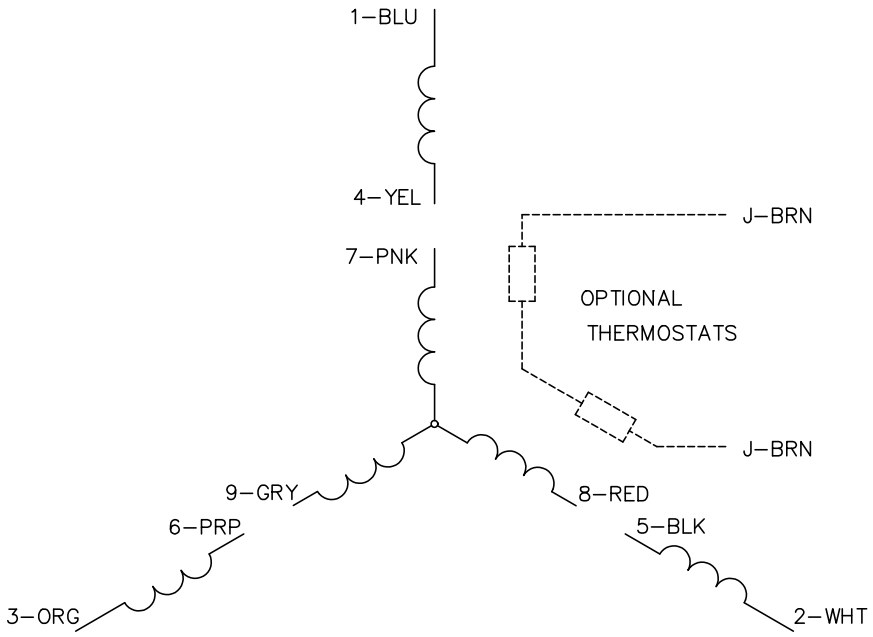
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3950M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	24.69 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 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

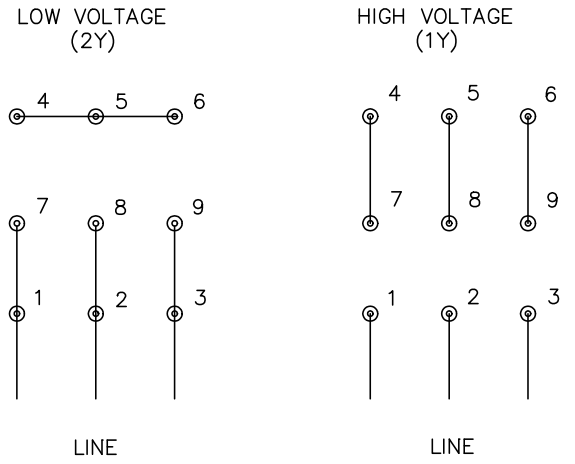
Nameplate

NP4423A01A01L												
CAT #	SPJMM2506T			**WGT**	248	**LBS**						
SPEC	39E781W951			**ENCL**	OPSB							
SER #				**CC**	010A	**IP**	23					
HP	7.5		**MAG CUR**	11.4/5.7								
VOLTS	230/460					**NEMA NOM. EFF**	91.7					
AMPS	22/11				**PF**	70						
RATING	40C AMB-CONT											
RPM	1180			**MAX RPM**	1800							
FRAME	254JM	**HZ**	60	**CODE**	J	**CLASS**	F					
SER.F.	1.25	**SF AMP**	27.4/13.7		**PH**	3	**DES**	B				
DE	6309		**ODE**	6208								
LUBRICATION	POLYREX EM											
ID LOGO	**INVERTER TYPE**		**VPWM**	**CHP**	60	**TO**	90	1.5:1				
ID LOGO	**WK2**	4.02	**CT**	6	**TO**	60	10:1					
ID LOGO	**SL HZ**	1	**VT**	3	**TO**	60	20:1					
					QR							
YR												


39LYE781
3920 - 3944 = 23.19
3946 - 3958 = 24.69
3960 - 3966 = 25.69
3968 - 3976 = 26.69
5.250
CHECK W/GAUGE T-9041
3.000±.015
UNDERCUT R.054-.043
.250 KEYWAY 2.62 LONG (ENDMILLED) .25 KEY 2.00 LONG
3.91
.625±.015
.25
Ø 8.500 8.497
Ø 1.2495 1.2490
Ø 1.3750 1.3745
Ø 1.750 1.748
.50-13 R.H CL.3 TAP 1.25 DEEP
Ø 9.45
SLINGER
RODENT SCREENS EA. END (WHEN REQ'D)
6 HOLES Ø.53
8.25
.63
10.00
4.75
11.25
Ø 11.48
9.63
5.74
1 LIFTING LUG (EA. END) DIAGONALLY SPACED
45°
45°
12.00
6.27
6.21
LEAD HOLE Ø1.75
.25
4 HOLES .50-13 TAP ON Ø7.25 B.C.
5.00
5.00
7.69
5.58
11.15
PU BRG RET DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 06:36:24 08/15/2025 TDR: 000001260360
MODEL NO. 39LYE781 REF: -
BY: USALMAZ B
BALDOR - RELIANCE®
HORZ OPSB 254-6JM GLF BRG, 'A64 NP
39LYE781

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