ABB BALDOR RELIANCE

Customer information packet

VSPJMM3211T

3HP, 1765RPM, 3PH, 60HZ, 182JM, 3640M, ODP, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODP
Frame	182JM
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	3.000 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	WEEE
	NEMA PREMIUM
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	4.000 A @ 460.0 V
	8.000 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.0 a
Insulation Class	F

Part Detail

Revision	A
Type	AC
Mech. spec.	36EE001
Base	
Status	PRD/A
Elec. spec.	36WGZ630
Layout	36LYEE001
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	08-11-2025

Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.55 IN
Power Factor	77
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	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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 #	VSPJMM3211T			**WGT**	92	**LBS**						
SPEC	36EE001Z630			**ENCL**	ODP							
SER #				**CC**	010A	**IP**	23					
HP	3			**MAG CUR**	4.2/2.1							
VOLTS	230/460					**NEMA NOM. EFF**	91					
AMPS	8/4					**PF**	77					
RATING	40C AMB-CONT											
RPM	1765					**MAX RPM**	2700					
FRAME	182JM	**HZ**	60	**CODE**	K	**CLASS**	F					
SER.F.	1.25	**SF AMP**	10/5			**PH**	3	**DES**	B			
DE	6207			**ODE**	6205							
LUBRICATION	POLYREX EM											
ID LOGO	**INVERTER TYPE**			**VPWM**		**CHP**	60	**TO**	90	1.5:1		
ID LOGO	**WK2**	0.372	**CT**	6	**TO**	60		10:1				
ID LOGO	**SL HZ**	1.2	**VT**	3	**TO**	60		20:1				
						QR						
YR												

AC Induction Motor Performance Data
Record # 96360
Typical performance - not guaranteed values

Winding: 36WGZ630-R001	**Type:** 3640M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9.01 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8/4	**Breakdown Torque**	39.5 LB-FT
R.P.M.			1765	**Pull-up Torque**	13.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	22.8 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	32.4 A
Service Factor (S.F.)			1.15	**No-load Current**	2.14 A
NEMA Nom. Eff.	91	**Power Factor**	77	**Line-line Res. @ 25ºC**	3.18 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	23°C
S.F. Amps			9/4.5	**Temp. Rise @ S.F. Load**	27°C
				Locked-rotor Power Factor	39.2
				Rotor inertia	0.372 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	36	58	70	77	81	83	79
Efficiency	84	90	91	91	90	89	90.4
Speed	1791	1783	1774	1764	1754	1744	1758
Line amperes	2.33	2.76	3.35	4.04	4.83	5.7	4.51

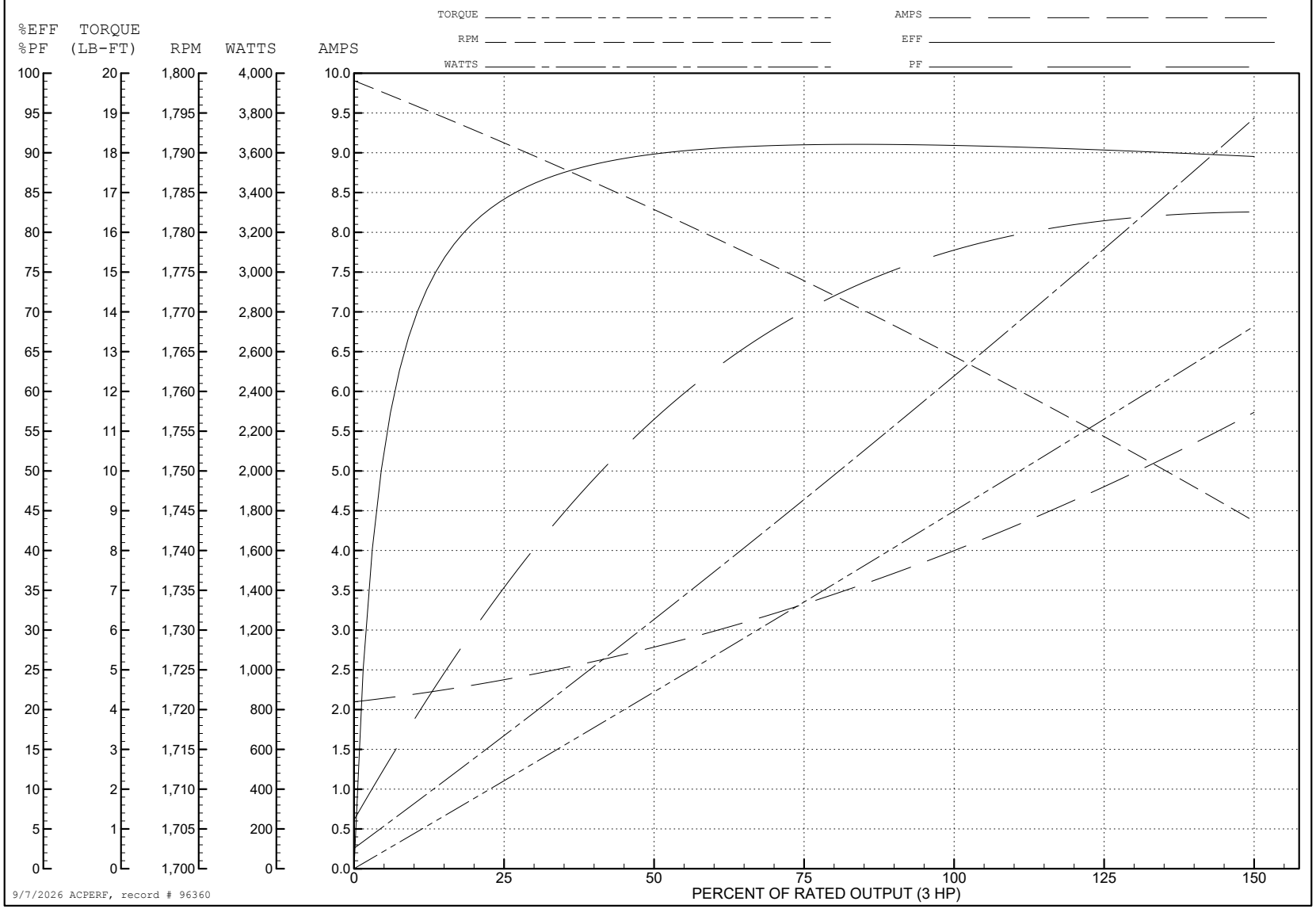
ABB Motors and Mechanical Inc.

WINDING # 36WGZ630

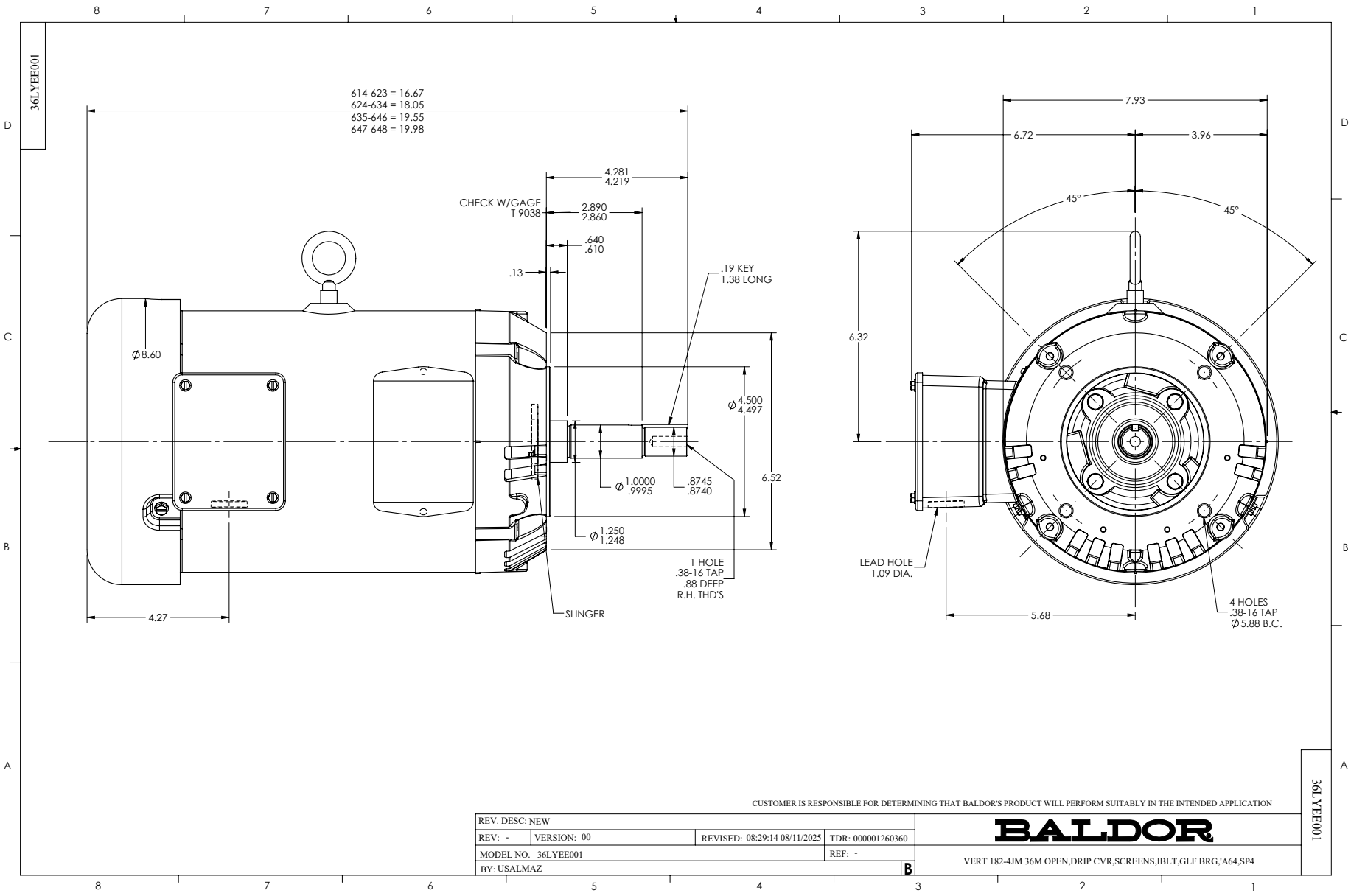
3 HP 3 PH 60 HZ 1765 RPM 460 V 3640M

Typical performance - not guaranteed values.

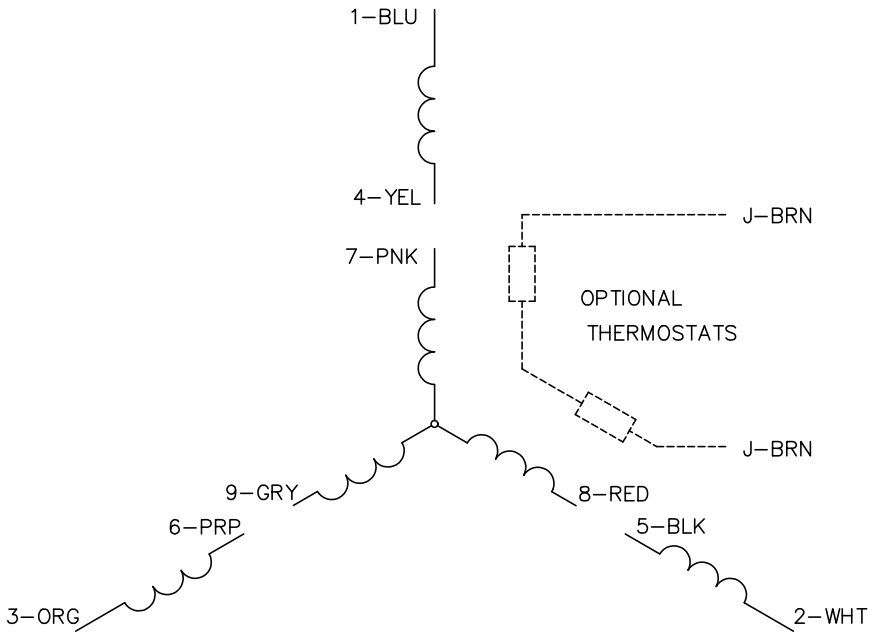
TORQUES(LB-FT): PO=39.5 PU=13.4 LR=22.8 LRA=32.4

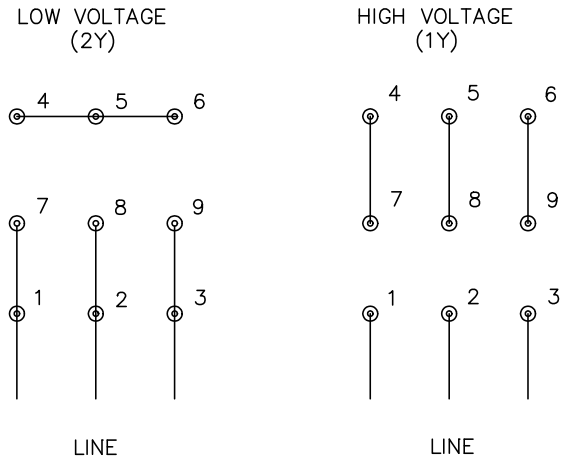


9/7/2026 ACPERF, record # 96360


36LYEE001
614-623 = 16.67
624-634 = 18.05
635-646 = 19.55
647-648 = 19.98
4.281
4.219
CHECK W/GAGE
T-9038
2.890
2.860
.640
.610
.13
.19 KEY
1.38 LONG
Ø8.60
Ø 4.500
4.497
Ø 1.0000
.9995
.8745
.8740
6.52
Ø 1.250
1.248
1 HOLE
.38-16 TAP
.88 DEEP
R.H. THD'S
SLINGER
4.27
7.93
6.72
3.96
45°
45°
6.32
LEAD HOLE
1.09 DIA.
5.68
4 HOLES
.38-16 TAP
Ø5.88 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: -
VERSION: 00
REVISED: 08:29:14 08/11/2025
TDR: 000001260360
MODEL NO. 36LYEE001
REF: -
BY: USALMAZ
B
BALDOR
VERT 182-4JM 36M OPEN,DRIP CVR,SCREENS,IBLT,GLF BRG,'A64,SP4
36LYEE001

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