BALDOR • RELIANCE

Customer information packet

SPM3611T-G

3HP, 1765RPM, 3PH, 60HZ, 182T, 3642M, TEFC, F1
Class - None
Division - Not Applicable

12/22/2025 6:06:46 PM

Specifications

Enclosure	TEFC
Frame	182T
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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.200 A @ 460.0 V
	8.400 A @ 230.0 V
Design Code	A
Drip Cover	No 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	4.2 a
Insulation Class	F

Part detail

Revision	A
Type	AC
Mech. spec.	36P493
Base	
Status	PRD/A
Elec. spec.	36WGZ631
Layout	36LYP493
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	04-02-2025

Inverter Code	Inverter Duty
KVA Code	L
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	3642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.04 IN
Power Factor	74
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	1.25
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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 #	SPM3611T-G			**WGT**	93	**LBS**					
SPEC	36P493Z631			**ENCL**	TEFC						
SER #				**CC**	010A	**IP**	54				
HP	3			**MAG CUR**	5.6/2.8						
VOLTS	230/460					**NEMA NOM. EFF**	91				
AMPS	8.4/4.2					**PF**	74				
RATING	40C AMB-CONT										
RPM	1765					**MAX RPM**	2700				
FRAME	182T	**HZ**	60	**CODE**	L	**CLASS**	H				
SER.F.	1.25	**SF AMP**	10.2/5.1			**PH**	3	**DES**	A		
DE	6206			**ODE**	6205						
LUBRICATION	POLYREX EM										
ID LOGO		**INVERTER TYPE**		**VPWM**		**CHP**	60	**TO**	90	1.5:1	
ID LOGO	**WK2**	0.39	**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 # 112292
Preliminary Data Sheet

Winding: 36WGZ631-R004	**Type:** 3642M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		3	**Full Load Torque**	8.92 LB-FT
Volts		230/460	**Start Configuration**	direct on line
Full Load Amps		8.4/4.2	**Breakdown Torque**	45.1 LB-FT
R.P.M.		1765	**Pull-up Torque**	23 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	28.5 LB-FT
NEMA Design Code	A **KVA Code**	L	**Starting Current**	41.8 A
Service Factor (S.F.)		1.25	**No-load Current**	2.76 A
NEMA Nom. Eff.	91 **Power Factor**	74	**Line-line Res. @ 25ºC**	2.78 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	39°C
S.F. Amps		10.2/5.1	**Temp. Rise @ S.F. Load**	49°C
			Locked-rotor Power Factor	40
			Rotor inertia	0.391 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	49	62	71	76	80	76
Efficiency	81.5	88.6	90.6	91.2	91.1	90.6	91.1
Speed	1792	1786	1779	1772	1765	1757	1765
Line amperes	2.91	3.26	3.75	4.37	5.07	5.83	5.07

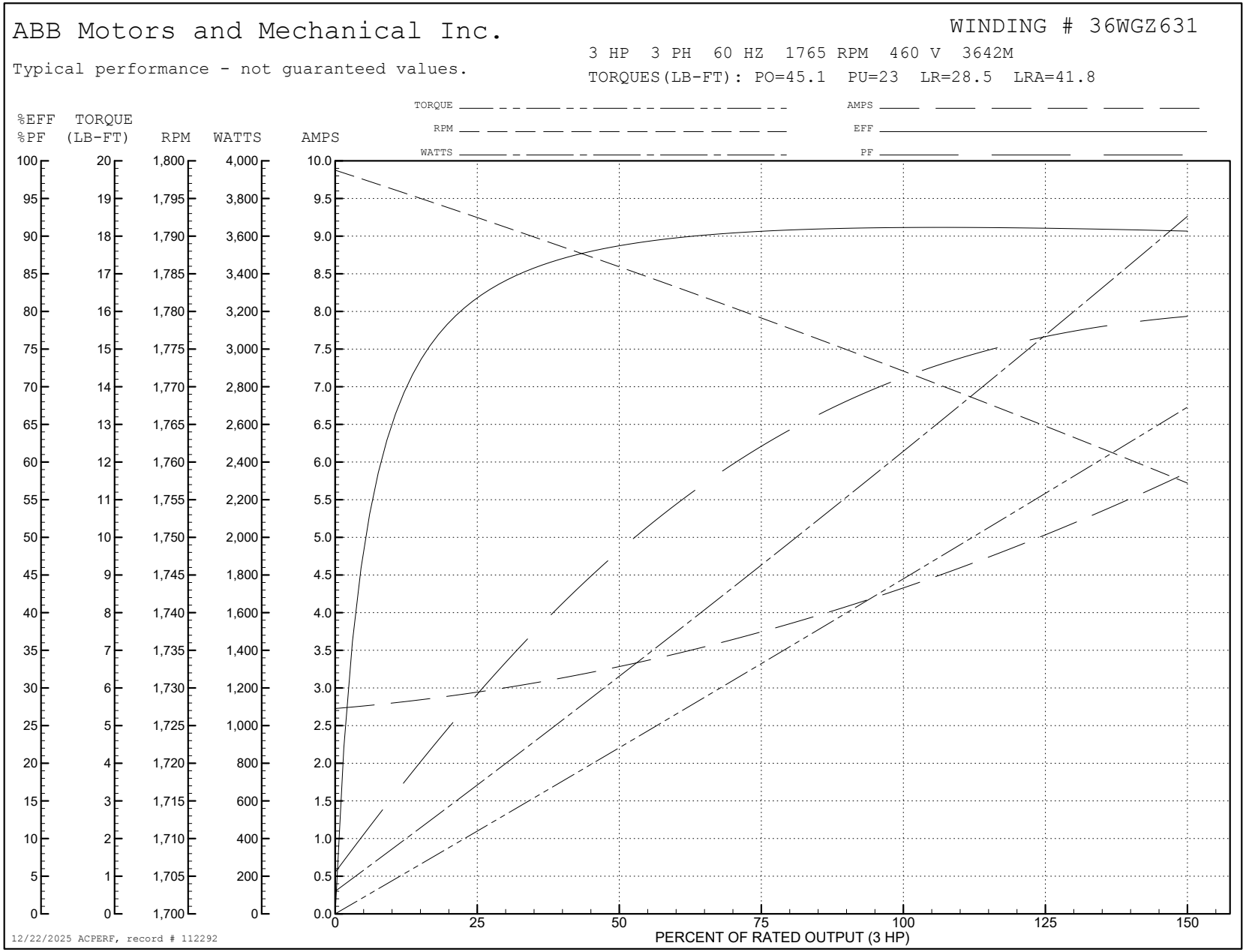
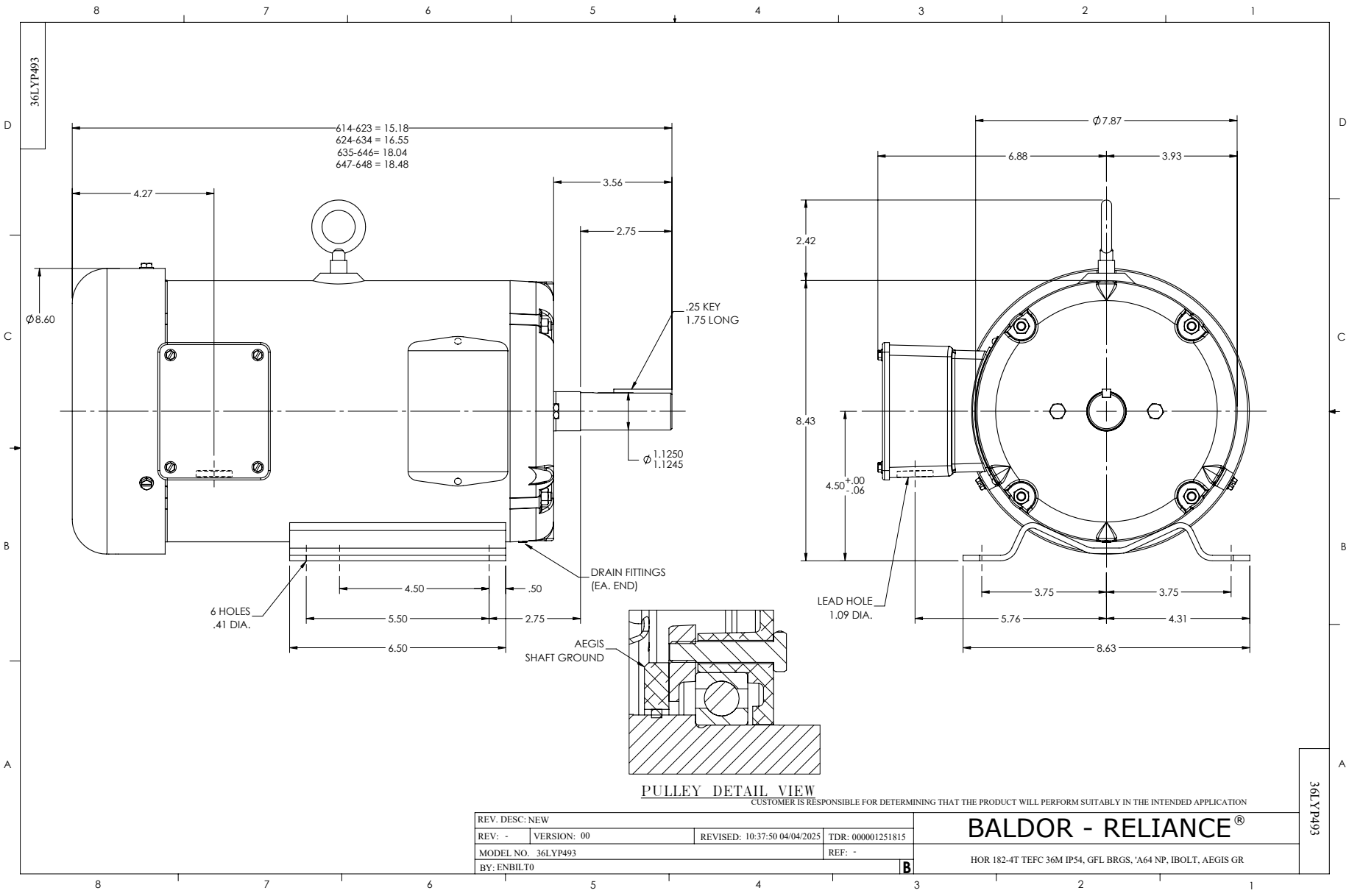
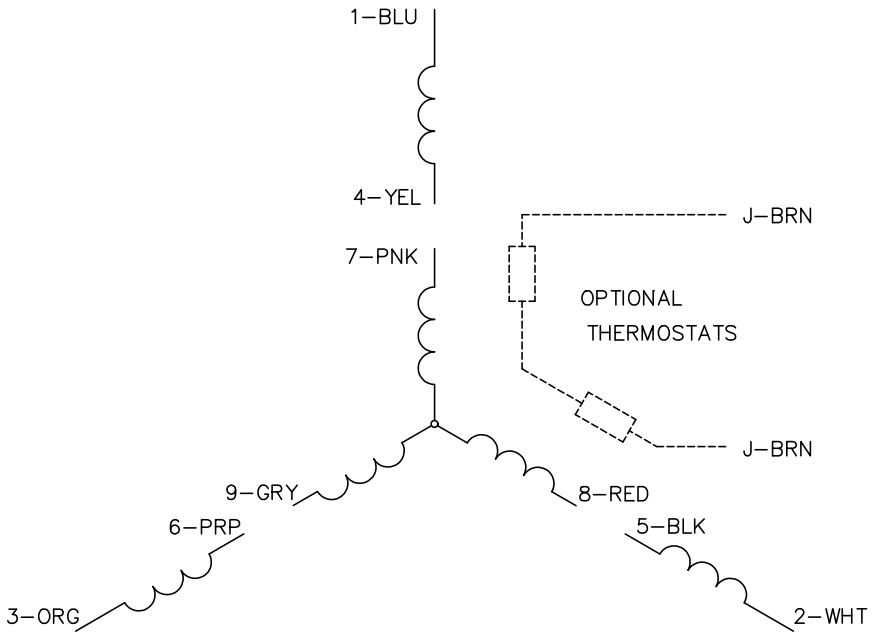
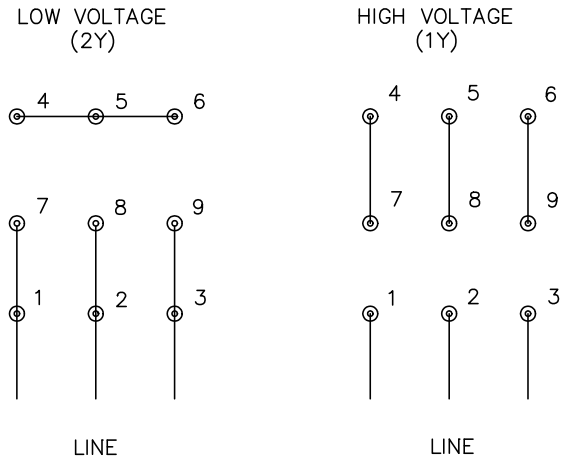


ABB Motors and Mechanical Inc.
WINDING # 36WGZ631
3 HP 3 PH 60 HZ 1765 RPM 460 V 3642M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=45.1 PU=23 LR=28.5 LRA=41.8
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (3 HP)
12/22/2025 ACPERF, record # 112292


36LYP493
614-623 = 15.18
624-634 = 16.55
635-646= 18.04
647-648 = 18.48
4.27
3.56
2.75
Ø8.60
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
DRAIN FITTINGS
(EA. END)
AEGIS
SHAFT GROUND
Ø7.87
6.88
3.93
2.42
8.43
4.50 +.00 -.06
LEAD HOLE
1.09 DIA.
3.75
3.75
5.76
4.31
8.63
PULLEY DETAIL VIEW
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 10:37:50 04/04/2025 TDR: 000001251815
MODEL NO. 36LYP493 REF: -
BY: ENBILT0 B
BALDOR - RELIANCE®
HOR 182-4T TEFC 36M IP54, GFL BRGS, 'A64 NP, IBOLT, AEGIS GR
36LYP493

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