BALDOR • RELIANCE

Customer information packet

GNEM3607T-G

1.5HP//1.1KW, 1175//970RPM, 3PH, 60//50HZ, 1
Class - None
Division - Not Applicable

6/18/2026 6:46:52 AM

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
	1.100 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CE
	WEEE
	UKCA
	CURUSEEV
	IE3
	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	5.600 A @ 190.0 V
	5.200 A @ 208.0 V
	5.000 A @ 230.0 V
	2.800 A @ 380.0 V

Part detail

Revision	E
Type	AC
Mech. spec.	36M524
Base	
Status	PRD/A
Elec. spec.	36WGZ634
Layout	36LYM524
Eff. date	04-25-2025
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	09-12-2023

	2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3638M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.04 IN
Power Factor	64
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	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Speed	1175 rpm
	970 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

NP4304L									
CAT.NO.	GNEM3607T-G								
SPEC.	36M524Z634G1								
HP	1.5HP//1.1KW			**PH**	3				
VOLTS	208-230/460//190/380								
AMPS	5.2-5/2.5//5.6/2.8								
R.P.M. (1/MIN)	1175//970			**WT.**	90	**KG**			
FRAME	182T	**HZ**	60//50		**I.P.**	44			
SER.F.	1.15	**CODE**	L	**DES.**	B	**CLASS**	H		
NOM.EFF.	87.5//81.1		**% (100%)**						
P.F.	64	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT			**CC**	010A				
DE	6206		**ODE**	6205					
ENCL	TEFC	**SN**							
	SFA 5.8-5.4/2.7//6.4/3.2								
	IE3-50HZ 87.6(75%),86.4(50%)								
	IE3-60HZ 87.4(75%),85.5(50%)								

AC Induction Motor Performance Data
Record # 102691
Typical performance - not guaranteed values

Winding: 36WGZ634-R002	**Type:** 3638M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			1.5HP//1.1KW
Volts			208-230/460//190/380
Full Load Amps			5.2-5/2.5//5.6/2.8
R.P.M.			1175//970
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	L
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	87.5	**Power Factor**	64
Rating - Duty			40C AMB-CONT
S.F. Amps			5.8-5.4/2.7//6.4/3.2

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	6.7 LB-FT
Start Configuration	direct on line
Breakdown Torque	27.2 LB-FT
Pull-up Torque	14.7 LB-FT
Locked-rotor Torque	19.1 LB-FT
Starting Current	18.8 A
No-load Current	1.65 A
Line-line Res. @ 25ºC	6.67 Ω
Temp. Rise @ Rated Load	27°C
Temp. Rise @ S.F. Load	31°C
Locked-rotor Power Factor	30.3
Rotor inertia	0.357 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	44	55	64	69	72	67
Efficiency	76.2	84.9	87.4	88.1	87.7	86.8	87.9
Speed	1196	1190	1184	1177	1170	1162	1173
Line amperes	1.72	1.91	2.18	2.51	2.89	3.33	2.74

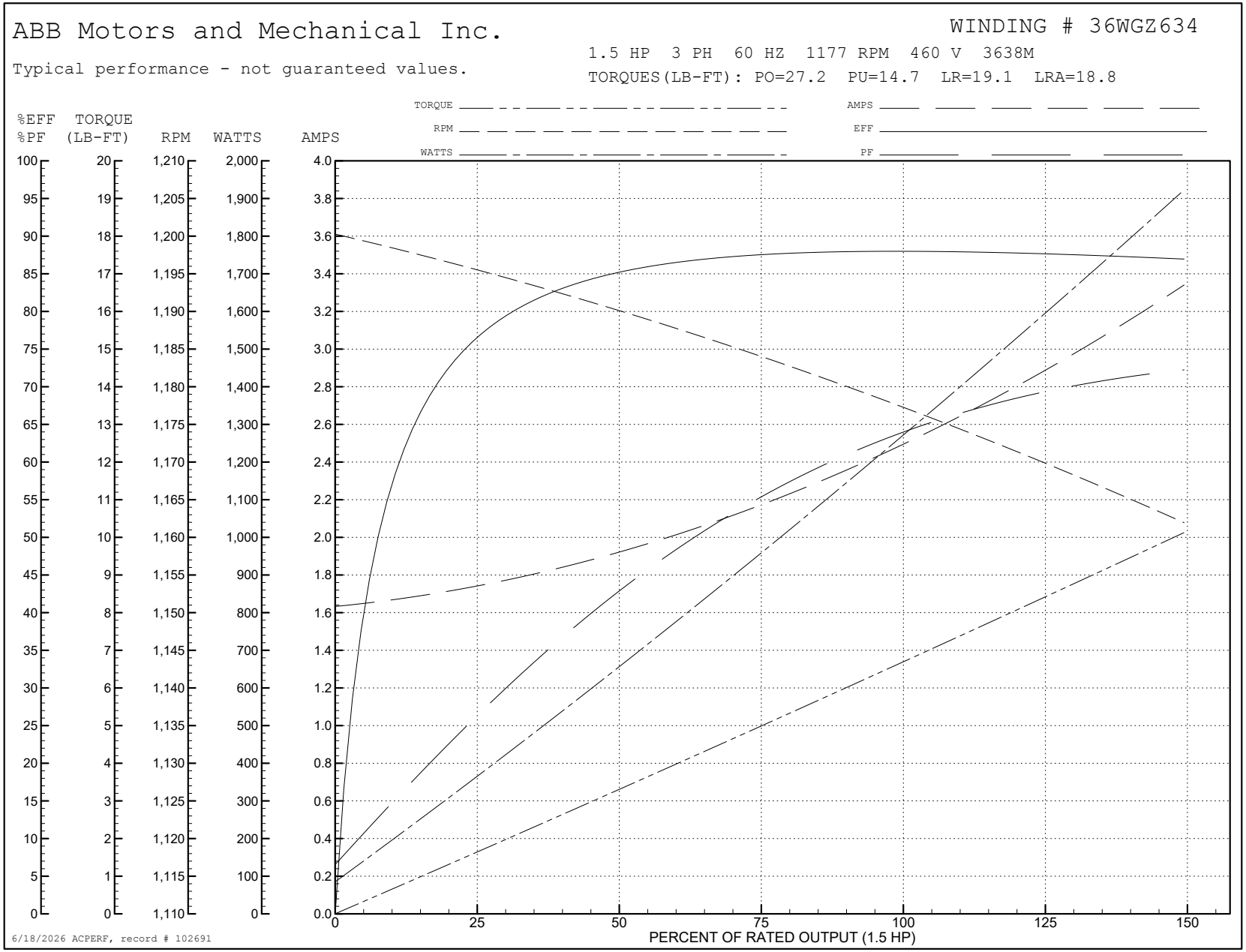


ABB Motors and Mechanical Inc.
WINDING # 36WGZ634
Typical performance - not guaranteed values.
1.5 HP 3 PH 60 HZ 1177 RPM 460 V 3638M
TORQUES(LB-FT): PO=27.2 PU=14.7 LR=19.1 LRA=18.8
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
6/18/2026 ACPERF, record # 102691

AC Induction Motor Performance Data
Record # 102692
Typical performance - not guaranteed values

Winding: 36WGZ634-R002	**Type:** 3638M	**Enclosure:** TEFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			1.5HP//1.1KW	**Full Load Torque**	8.12 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			5.2-5/2.5//5.6/2.8	**Breakdown Torque**	26 LB-FT
R.P.M.			1175//970	**Pull-up Torque**	15.5 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	20.1 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	18.3 A
Service Factor (S.F.)			1.15	**No-load Current**	1.64 A
NEMA Nom. Eff.	87.5	**Power Factor**	64	**Line-line Res. @ 25ºC**	6.67 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	33°C
S.F. Amps			5.8-5.4/2.7//6.4/3.2	**Temp. Rise @ S.F. Load**	41°C
				Locked-rotor Power Factor	34.2
				Rotor inertia	0.357 lb-ft²

Load Characteristics 380 V, 50 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	50	61	69	73	75	67
Efficiency	79.7	86.4	87.6	87.2	85.9	83.7	87.9
Speed	994	987	979	970	960	948	1173
Line amperes	1.73	1.99	2.38	2.83	3.39	4.05	2.74

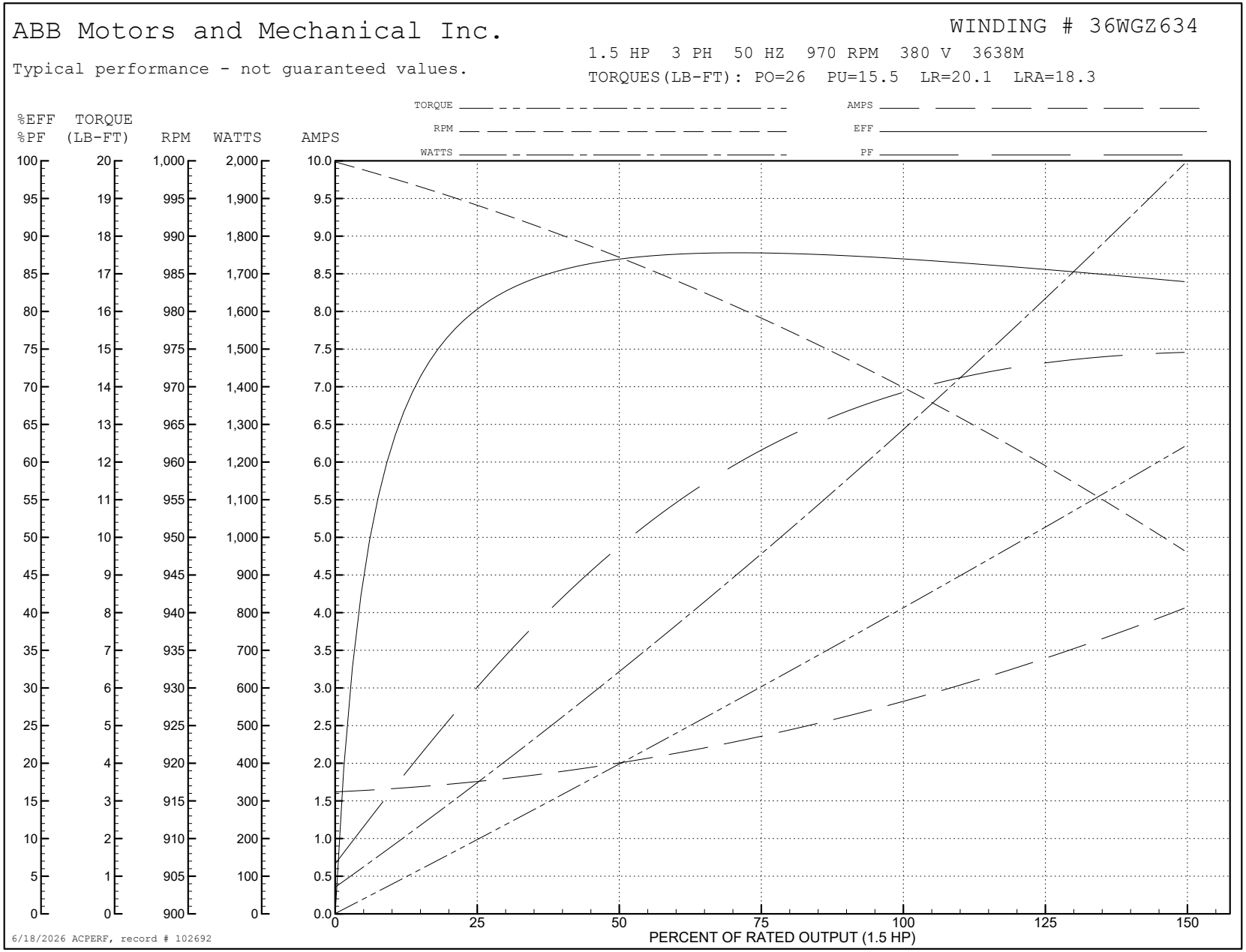
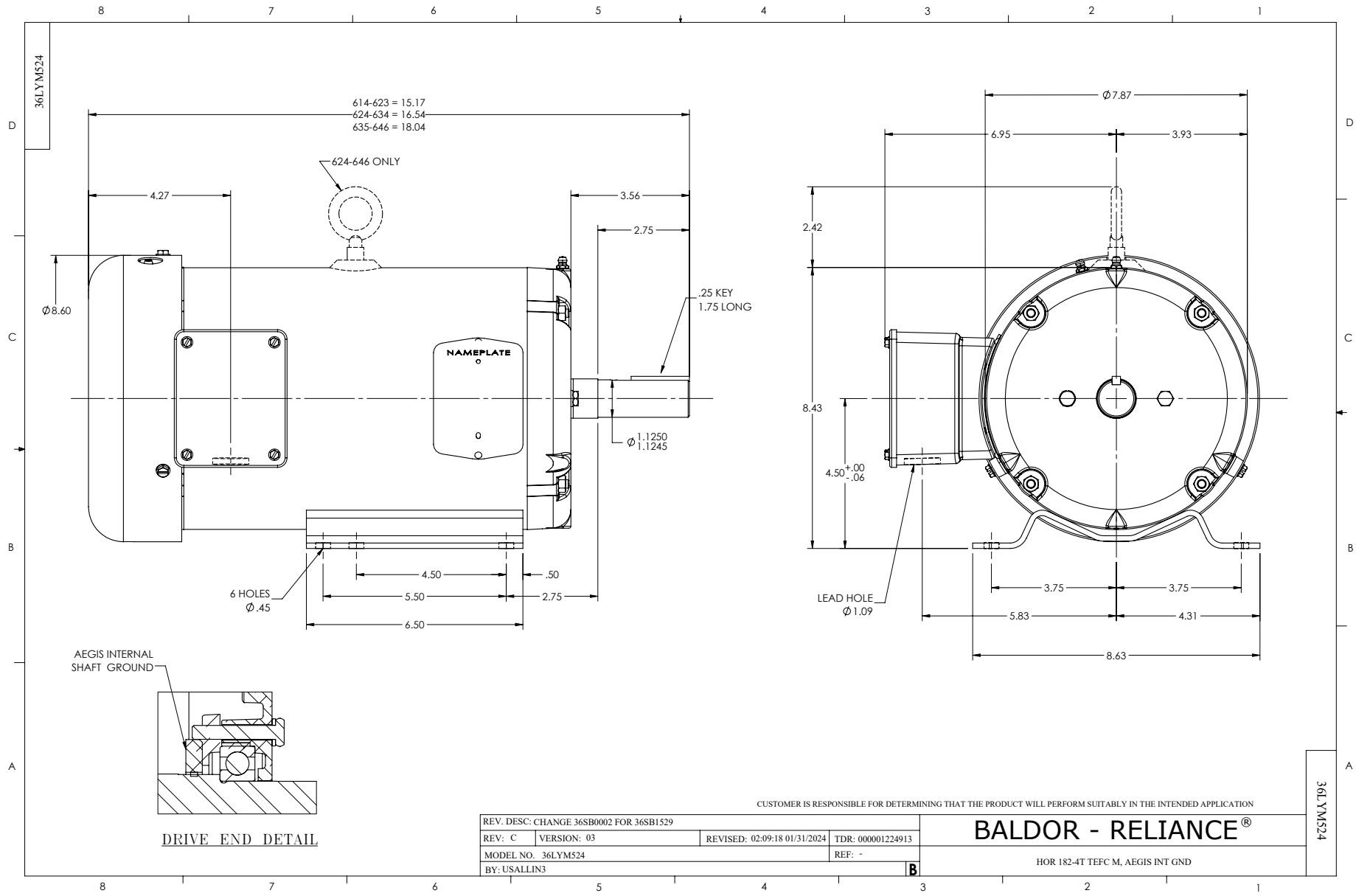
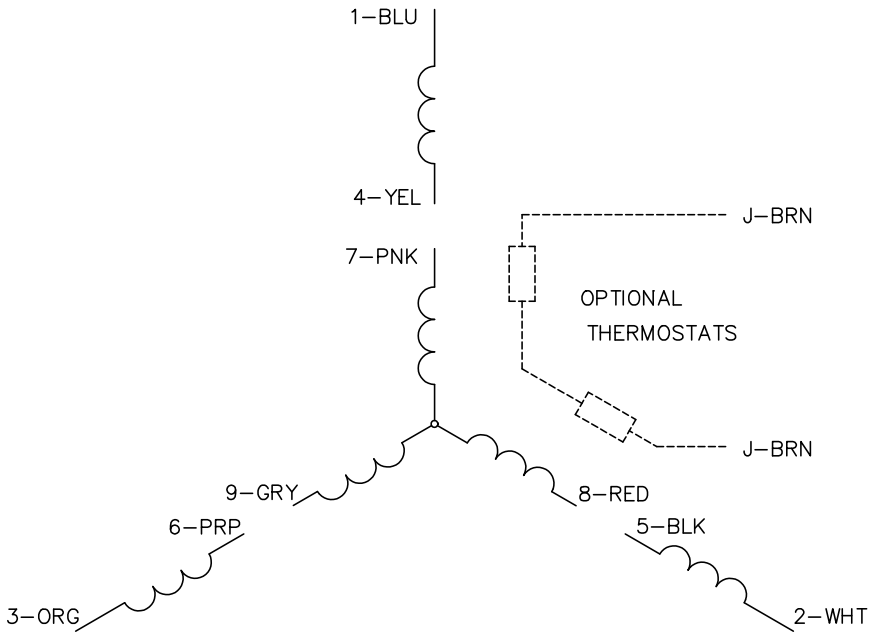
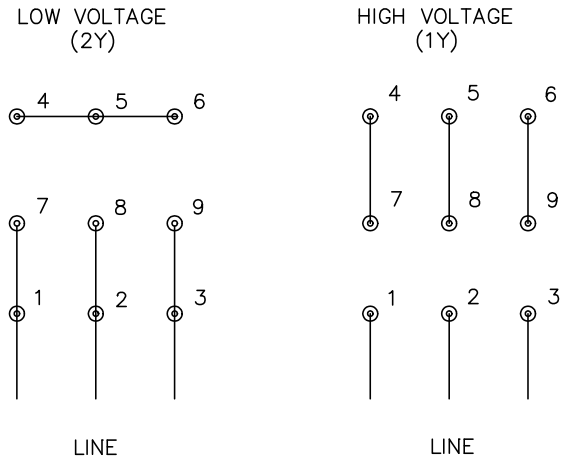


ABB Motors and Mechanical Inc.
WINDING # 36WGZ634
1.5 HP 3 PH 50 HZ 970 RPM 380 V 3638M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=26 PU=15.5 LR=20.1 LRA=18.3
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
6/18/2026 ACPERF, record # 102692


36LYM524
614-623 = 15.17
624-646 = 16.54
635-646 = 18.04
624-646 ONLY
4.27
3.56
2.75
Ø8.60
.25 KEY
1.75 LONG
NAMEPLATE
Ø 1.1250
1.1245
6 HOLES
Ø .45
4.50
.50
5.50
2.75
6.50
Ø7.87
6.95
3.93
2.42
8.43
4.50 +.00 -.06
LEAD HOLE
Ø 1.09
3.75
3.75
5.83
4.31
8.63
AEGIS INTERNAL
SHAFT GROUND
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CHANGE 36SB0002 FOR 36SB1529
REV: C
VERSION: 03
REVISED: 02:09:18 01/31/2024
TDR: 000001224913
MODEL NO. 36LYM524
REF: -
BY: USALLIN3
B
BALDOR - RELIANCE®
HOR 182-4T TEFC M, AEGIS INT GND
36LYM524

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