ABB BALDOR RELIANCE

Customer information packet

EM3607T-G

1.5HP, 1165RPM, 3PH, 60HZ, 182T, 3632M, TEFC, F
Class - None
Division - Not Applicable

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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	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	UR
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	4.800 A @ 230.0 V
	5.000 A @ 208.0 V
	2.400 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 Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	U
Type	AC
Mech. spec.	36M524
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYM524
Eff. date	02-19-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	05-16-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	2.4 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.54 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 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

NP3441LUA									
CAT.NO.	EM3607T-G								
SPEC	36M524S916G1								
HP	1.5								
VOLTS	208-230/460								
AMPS	5-4.8/2.4								
RPM	1170								
FRAME	182T	**HZ**	60			**PH**	3		
SF	1.15	**CODE**	K	**DES**	B	**CLASS**	H		
NEMA NOM. EFF	87.5	**PF**	67						
RATING	40C AMB-CONT								
CC	010A								
ENCL	TEFC	**SER**							
DE	6206	**ODE**	6205						
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50HZ 1.5HP 190/380V 4.8/2.4A								SF1.0

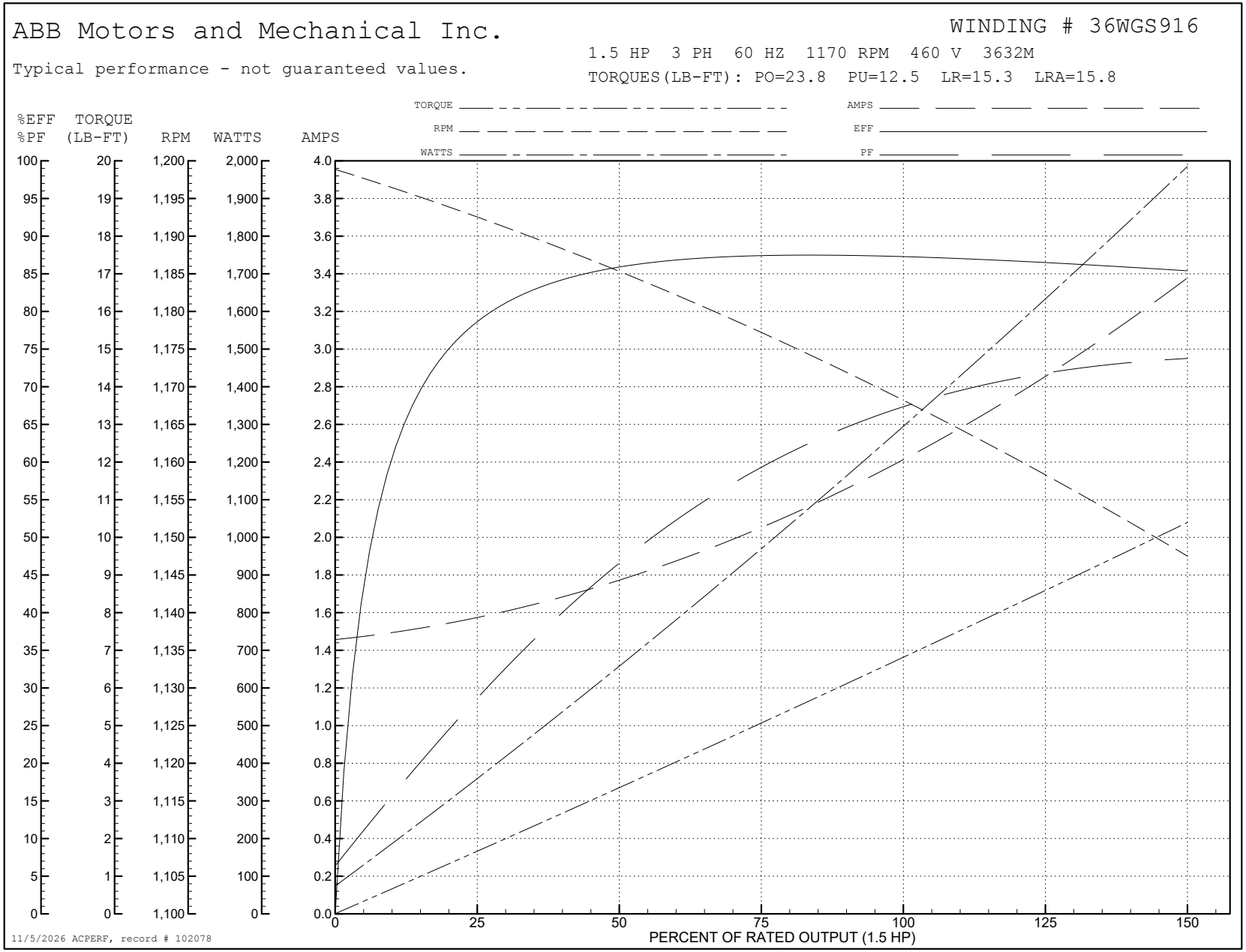
AC Induction Motor Performance Data
Record # 102078
Typical performance - not guaranteed values

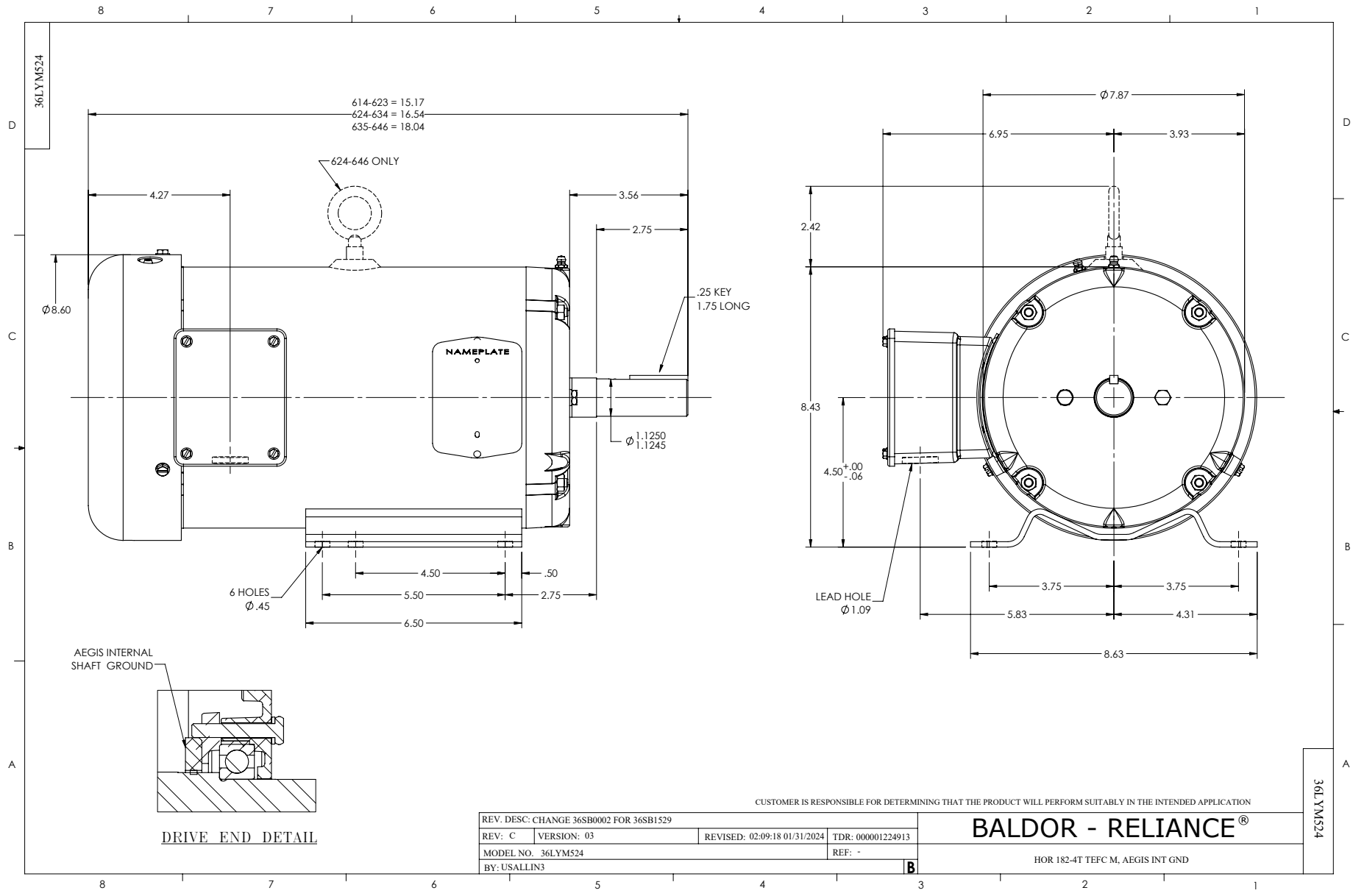
Winding: 36WGS916-R063	**Type:** 3632M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	6.86 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5-4.8/2.4	**Breakdown Torque**	23.8 LB-FT
R.P.M.			1170	**Pull-up Torque**	12.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.3 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	15.8 A
Service Factor (S.F.)			1.15	**No-load Current**	1.47 A
NEMA Nom. Eff.	87.5	**Power Factor**	67	**Line-line Res. @ 25ºC**	7.3716 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	34°C
S.F. Amps				**Temp. Rise @ S.F. Load**	41°C
				Locked-rotor Power Factor	30.1
				Rotor inertia	0.301 lb-ft²

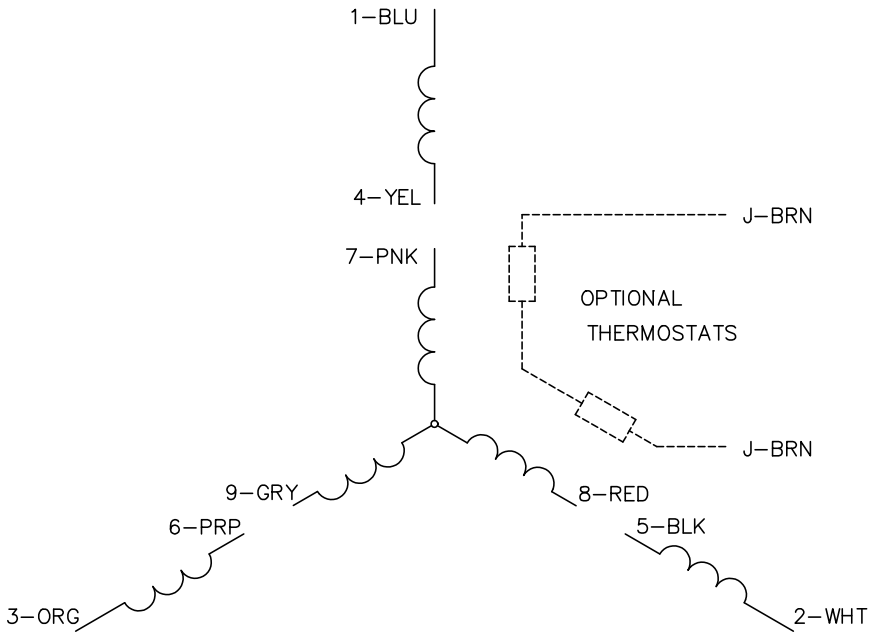
Load Characteristics 460 V, 60 Hz, 1.5 HP

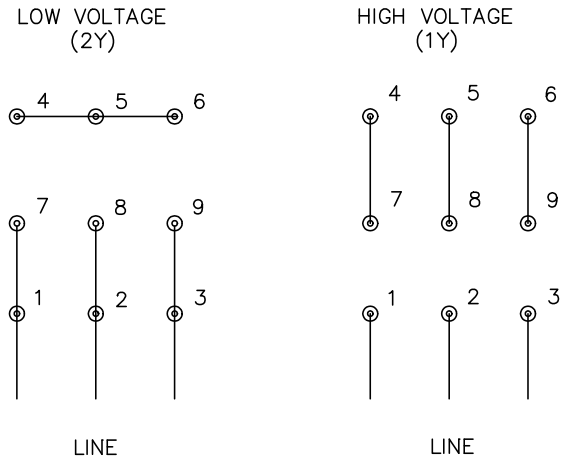
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	48	59	67	71	74	69
Efficiency	79.1	86	87.5	87.5	86.5	85.2	86.9
Speed	1192.2	1184.8	1176.8	1168.1	1158.2	1147.5	1162
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36	2.7


ABB Motors and Mechanical Inc.
WINDING # 36WGS916
1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3632M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/5/2026 ACPERF, record # 102078


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