ABB BALDOR RELIANCE

Customer information packet

EM3212T-BG

5HP, 3450RPM, 3PH, 60HZ, 182T, 3622M, OPSB, F1
Class - None
Division - Not Applicable

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9/7/2026 10:24:18 AM

Specifications

Enclosure	OPSB
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	12.800 A @ 208.0 V
	6.000 A @ 460.0 V
	12.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	V
Type	AC
Mech. spec.	36Q133
Base	
Status	PRD/A
Elec. spec.	36WGS040
Layout	36LYQ133
Eff. date	09-18-2025
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	10-27-2013

Heater Indicator	No Heater
High Voltage Full Load Amps	6.0 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	3622M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.62 IN
Power Factor	91
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 Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP3553L											
CAT.NO.	EM3212T-BG										
SPEC	36Q133S040G1										
HP	5										
VOLTS	230/460										
AMPS	12/6										
RPM	3450										
FRAME	182T		**HZ**	60			**PH**	3			
SF	1.15	**CODE**	K	**DES**	A	**CLASS**	H				
NEMA NOM. EFF	86.5	**PF**	91								
RATING	40C AMB-CONT										
CC	010A										
ENCL	OPSB	**SER**									
DE	6206		**ODE**	6205							
VPWM INVERTER READY											
CT30-60(2:1) VT3-60(20:1)											

AC Induction Motor Performance Data
Record # 53355
Typical performance - not guaranteed values

Winding: 36WGS040-R015	**Type:** 3622M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	7.66 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			12/6	**Breakdown Torque**	29.99 LB-FT
R.P.M.			3450	**Pull-up Torque**	17.89 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	22.24 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	49.63 A
Service Factor (S.F.)			1.15	**No-load Current**	1.99 A
NEMA Nom. Eff.	86.5	**Power Factor**	91	**Line-line Res. @ 25ºC**	3.07 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	34°C
S.F. Amps				**Temp. Rise @ S.F. Load**	42°C
				Locked-rotor Power Factor	49.2
				Rotor inertia	0.0988 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	61	79	87	90	92	93	92
Efficiency	81.4	86.5	87.6	86.6	85.3	83.5	86.1
Speed	3566	3535	3503	3465	3423	3379	3445
Line amperes	2.5	3.49	4.68	6.06	7.56	9.15	6.91

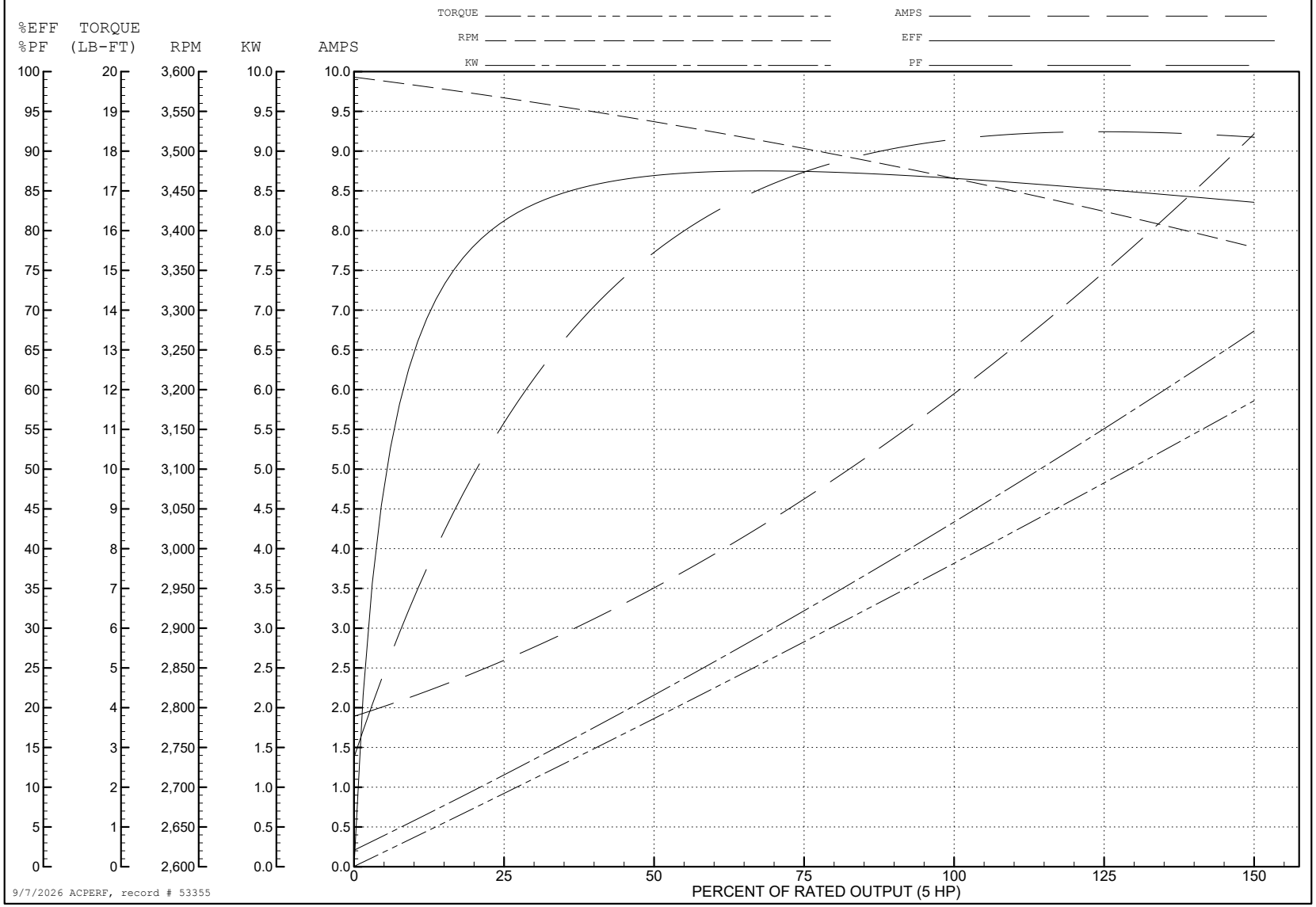
ABB Motors and Mechanical Inc.

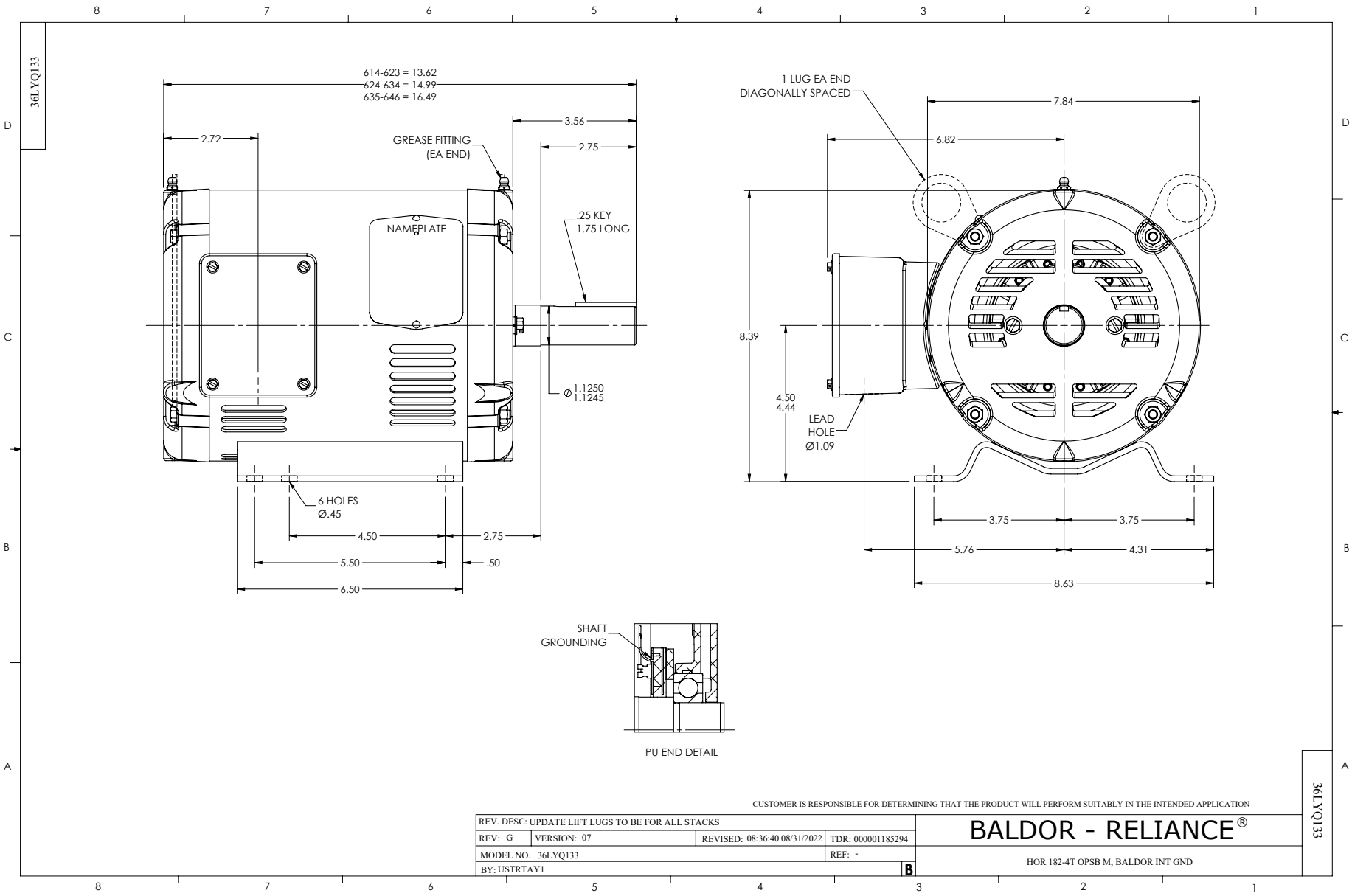
WINDING # 36WGS040

5 HP 3 PH 60 HZ 3450 RPM 460 V 3622M

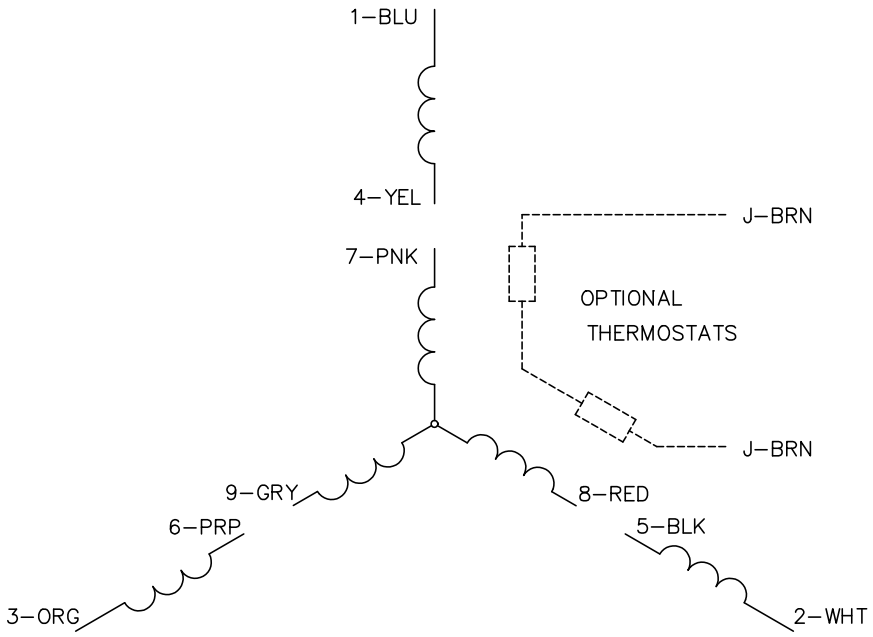
Typical performance - not guaranteed values.

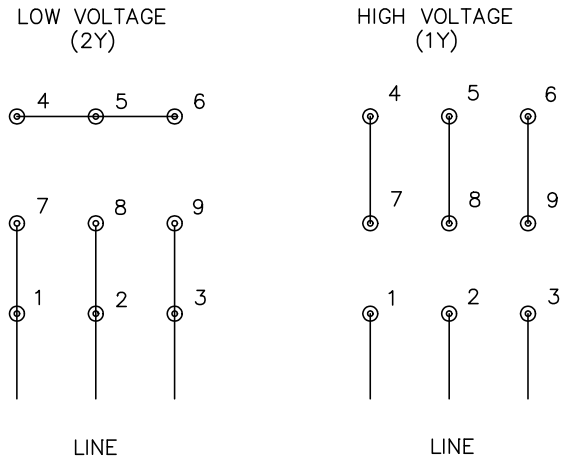
TORQUES(LB-FT): PO=29.99 PU=17.89 LR=22.24 LRA=49.63




36LYQ133
614-623 = 13.62
624-634 = 14.99
635-646 = 16.49
2.72
3.56
2.75
GREASE FITTING
(EA END)
NAMEPLATE
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
6 HOLES
Ø.45
4.50
2.75
5.50
.50
6.50
1 LUG EA END
DIAGONALLY SPACED
7.84
6.82
8.39
4.50
4.44
LEAD
HOLE
Ø1.09
3.75
3.75
5.76
4.31
8.63
SHAFT
GROUNDING
PU END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE LIFT LUGS TO BE FOR ALL STACKS
REV: G
VERSION: 07
REVISED: 08:36:40 08/31/2022
TDR: 000001185294
MODEL NO. 36LYQ133
REF: -
BY: USTRTAY1
B
BALDOR - RELIANCE®
HOR 182-4T OPSB M, BALDOR INT GND
36LYQ133

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