

ABB BALDOR RELIANCE III

Customer information packet

EM3211T-5BG

3HP, 1760RPM, 3PH, 60HZ, 182T, 3630M, OPSB, F1

Class - None

Division - Not Applicable

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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
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	3.300 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.3 a
Insulation Class	H

Part Detail

Revision	N
Type	AC
Mech. spec.	36Q133
Base	
Status	PRD/A
Elec. spec.	36WGS653
Layout	36LYQ133
Eff. date	09-18-2025
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	09-22-2014

Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.00 IN
Power Factor	76
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	1760 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

NP1259L									
CAT.NO.	EM3211T-5BG								
SPEC.	36Q133S653G1								
HP	3								
VOLTS	575								
AMP	3.3								
RPM	1760								
FRAME	182T		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CL	H		
NEMA-NOM-EFF	89.5	PF	76						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	OPSB	SN							

AC Induction Motor Performance Data

Record # 50479

Typical performance - not guaranteed values

Winding: 36WGS653-R002			Type: 3630M		Enclosure: OPSB		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		3	Full Load Torque		8.99 LB-FT		
Volts		575	Start Configuration		direct on line		
Full Load Amps		3.3	Breakdown Torque		33.4 LB-FT		
R.P.M.		1760	Pull-up Torque		17.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		19.6 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current		23.4 A
Service Factor (S.F.)		1.15	No-load Current		1.72 A		
NEMA Nom. Eff.		89.5	Power Factor	76	Line-line Res. @ 25°C		7.15 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		27°C	
S.F. Amps				Temp. Rise @ S.F. Load		33°C	
				Locked-rotor Power Factor		43.5	
				Rotor inertia		0.279 LB-FT2	

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	70	77	80	83	79
Efficiency	83.5	88.7	89.9	89.5	88.7	87.3	89
Speed	1790	1781	1770	1759	1747	1733	1752
Line amperes	1.88	2.22	2.72	3.29	3.96	4.69	3.69

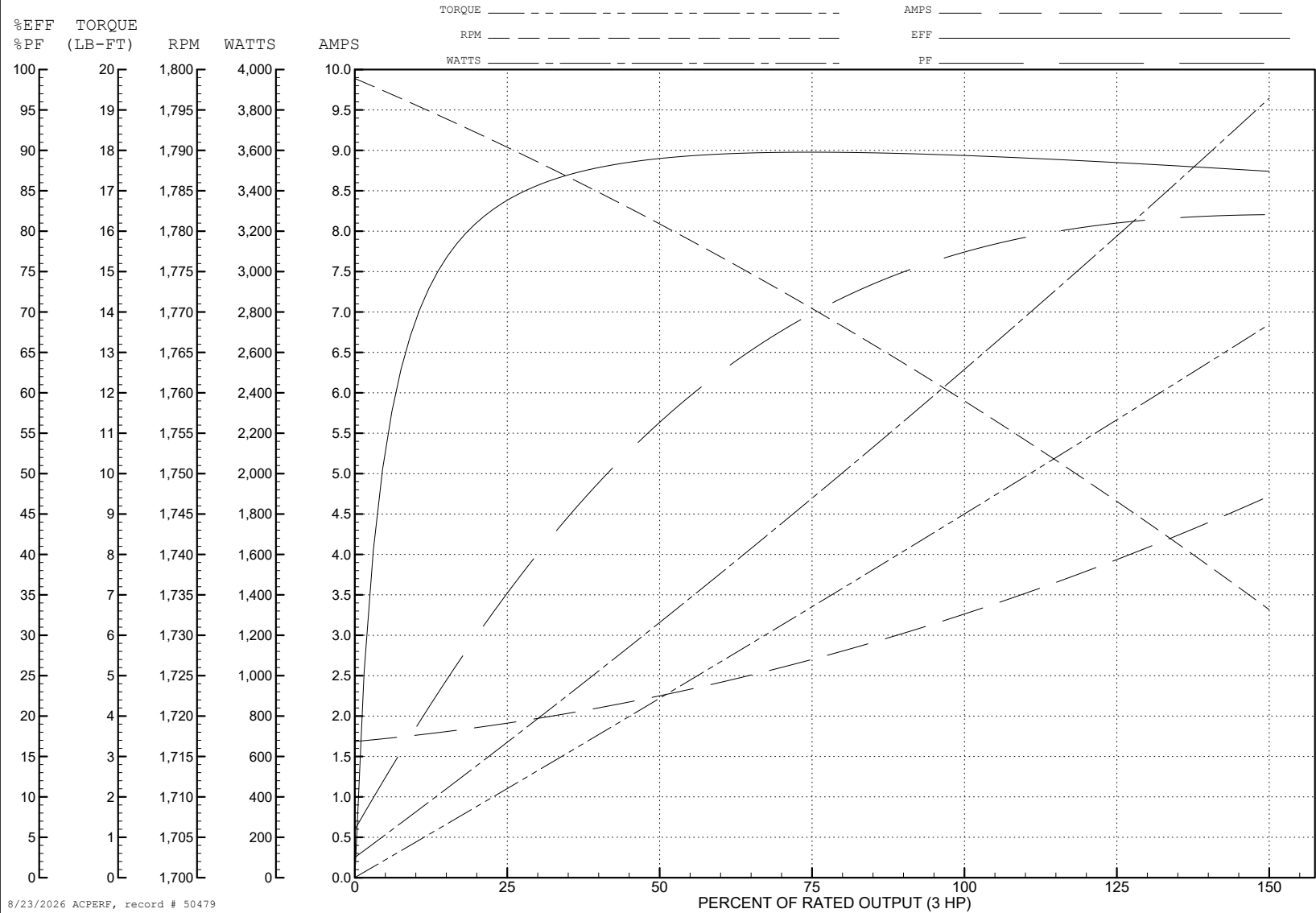
ABB Motors and Mechanical Inc.

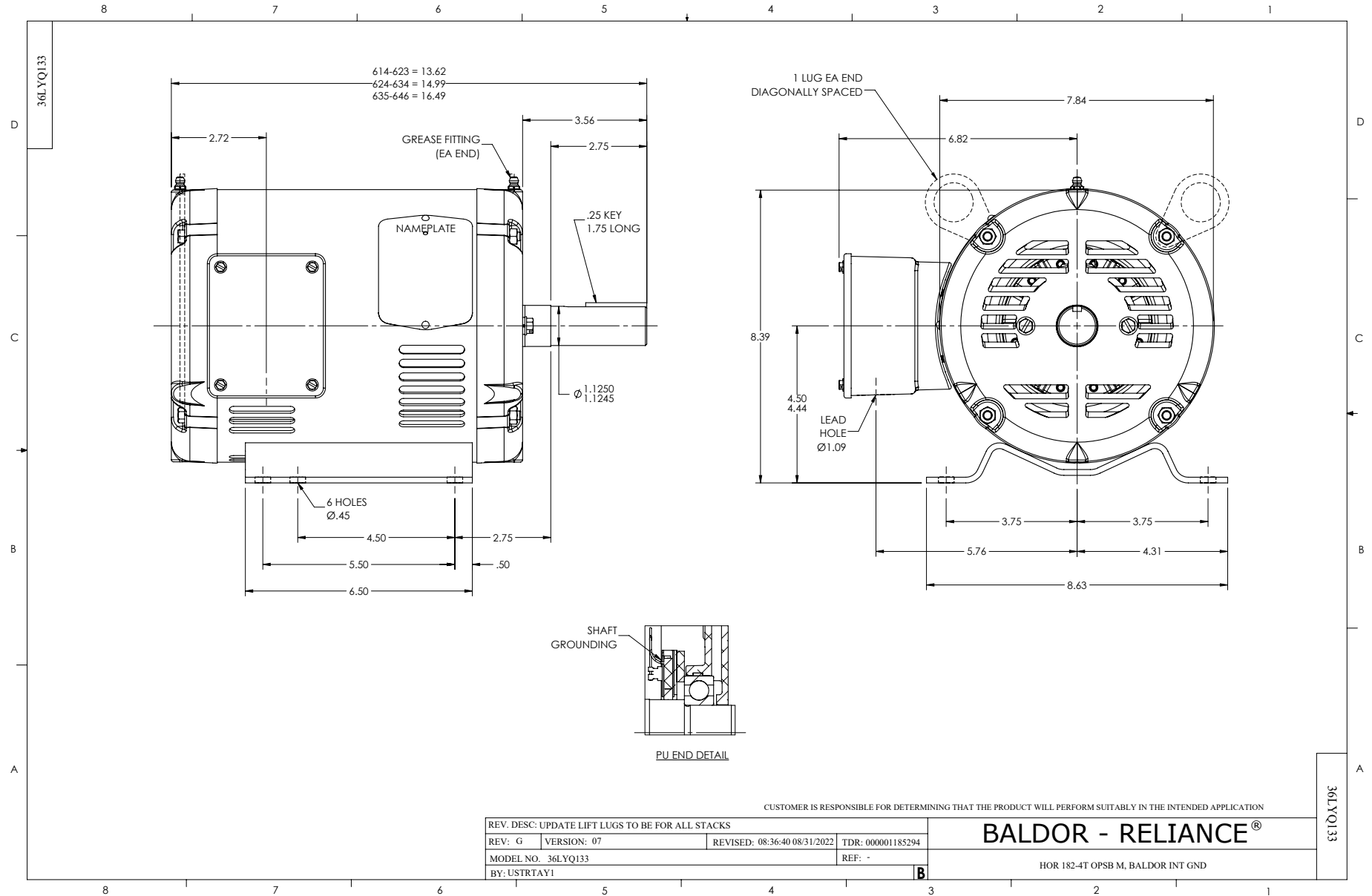
WINDING # 36WGS653

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1760 RPM 575 V 3630M

TORQUES (LB-FT): PO=33.4 PU=17.4 LR=19.6 LRA=23.4





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1