ABB BALDOR RELIANCE

Customer information packet

EM3611T-5

3HP, 1760RPM, 3PH, 60HZ, 182T, 3632M, TEFC, F1
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM CURUSEEV NEMA PREMIUM (OLD LOGO)
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	F

Part Detail

Revision	G
Type	AC
Mech. spec.	36Q570
Base	
Status	PRD/A
Elec. spec.	36WGS582
Layout	36LYQ570
Eff. date	04-02-2026
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	09-02-2015

Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	3632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.55 IN
Power Factor	75
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	No 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

NP3441L											
CAT.NO.	EM3611T-5										
SPEC.	36Q570S582G1										
HP	3										
VOLTS	575										
AMP	3.3										
RPM	1760										
FRAME	182T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F				
NEMA-NOM-EFF	89.5	**PF**	75								
RATING	40C AMB-CONT										
CC	010A										
DE	6206		**ODE**	6205							
ENCL	TEFC	**SN**									
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	SFA 3.7										

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 32437
Typical performance - not guaranteed values

Winding: 36WGS582-R001	**Type:** 3631M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			3	**Full Load Torque**	8.88 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			3.3	**Breakdown Torque**	33.9 LB-FT
R.P.M.			1760	**Pull-up Torque**	19.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	23 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	25.9 A
Service Factor (S.F.)			1.15	**No-load Current**	1.9 A
NEMA Nom. Eff.	89.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	6 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	40°C
S.F. Amps				**Temp. Rise @ S.F. Load**	48°C
				Locked-rotor Power Factor	43
				Rotor inertia	0.289 LB-FT2

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	54	67	75	79	82	77
Efficiency	80.5	87.7	89.5	89.5	88.9	87.6	89.1
Speed	1791	1782	1772	1762	1750	1738	1755
Line amperes	2.03	2.34	2.77	3.34	3.97	4.66	3.72

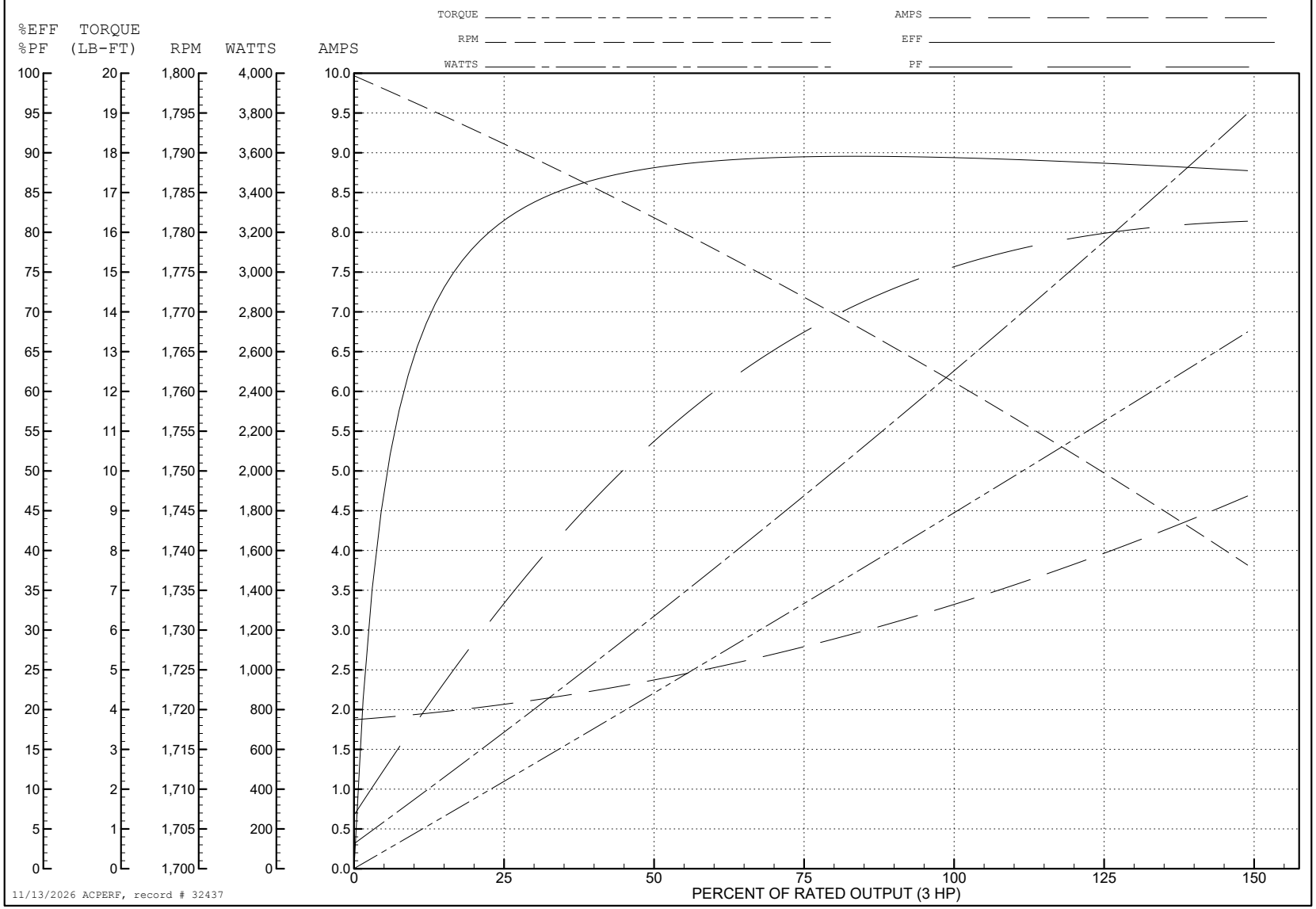
ABB Motors and Mechanical Inc.

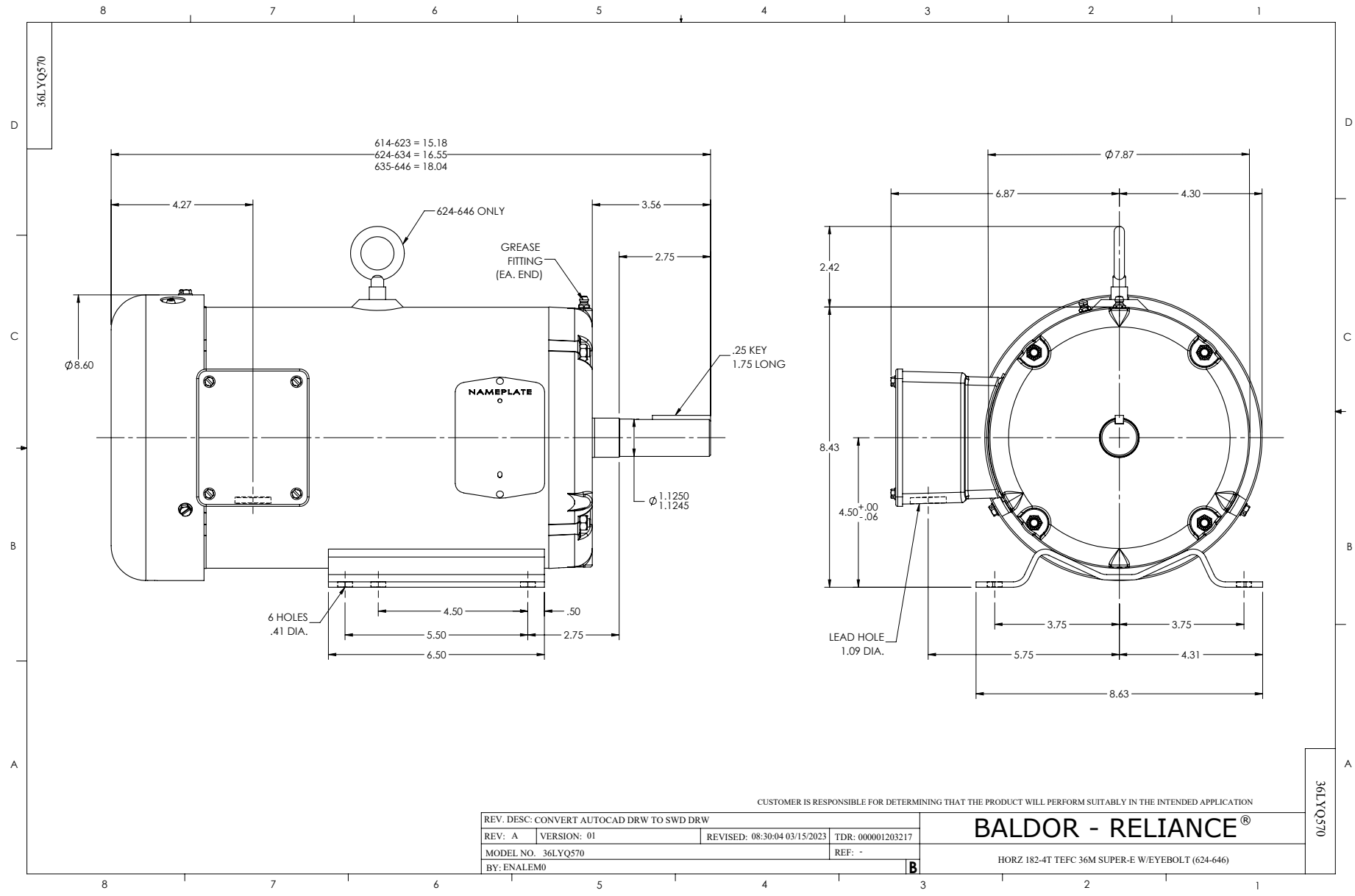
WINDING # 36WGS582

3 HP 3 PH 60 HZ 1760 RPM 575 V 3631M

Typical performance - not guaranteed values.

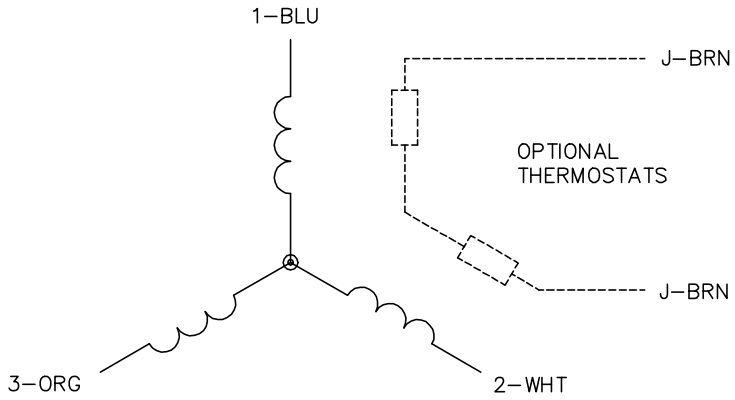
TORQUES(LB-FT): PO=33.9 PU=19.5 LR=23 LRA=25.9

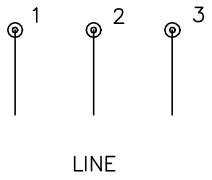



36LYQ570
614-623 = 15.18
624-634 = 16.55
635-646 = 18.04
4.27
624-646 ONLY
3.56
GREASE FITTING (EA. END)
2.75
Ø8.60
.25 KEY
1.75 LONG
NAMEPLATE
Ø1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.87
6.87
4.30
2.42
8.43
4.50 +.00 -.06
LEAD HOLE
1.09 DIA.
3.75
3.75
5.75
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: A
VERSION: 01
REVISED: 08:30:04 03/15/2023
TDR: 000001203217
MODEL NO. 36LYQ570
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 182-4T TEFC 36M SUPER-E W/EYEBOLT (624-646)
36LYQ570

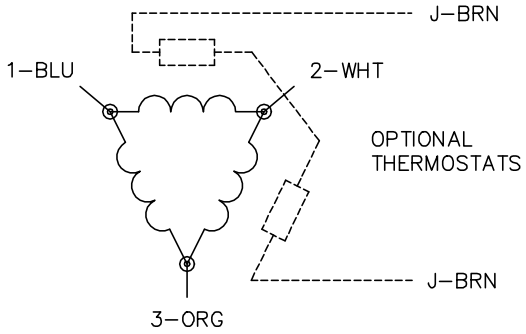
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

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