ABB BALDOR RELIANCE

Customer information packet

EM3211T-8

3HP, 1765RPM, 3PH, 60HZ, 182T, 3630M, OPSB, F1
Class - None
Division - Not Applicable

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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	200.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM (OLD LOGO) CURUSEEV 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	9.700 A @ 200.0 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	9.7 a
Insulation Class	F

Part Detail

Revision	L
Type	AC
Mech. spec.	36H945
Base	
Status	PRD/A
Elec. spec.	36WGS760
Layout	36LYH945
Eff. date	06-11-2024
CD Diagram	CD0006
Poles	04
Leads	3#14
Proprietary	False
Created date	06-29-2011

Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.99 IN
Power Factor	74
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	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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.	EM3211T-8								
SPEC	36H945S760G1								
HP	3								
VOLTS	200								
AMPS	9.7								
RPM	1765								
FRAME	182T	**HZ**	60			**PH**	3		
SF	1.15	**CODE**	K	**DES**	B	**CLASS**	F		
NEMA NOM. EFF	89.5	**PF**	74						
RATING	40C AMB-CONT								
CC	010A								
ENCL	OPSB	**SER**							
DE	6206	**ODE**	6205						
VPWM INVERTER READY									
CT30-60(2:1) VT3-60(20:1)									

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 34571
Typical performance - not guaranteed values

Winding: 36WGS760-R001	**Type:** 3630M	**Enclosure:** OPSB

Nameplate Data				**200 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			3	**Full Load Torque**	8.85 LB-FT
Volts			200	**Start Configuration**	direct on line
Full Load Amps			9.7	**Breakdown Torque**	37.6 LB-FT
R.P.M.			1765	**Pull-up Torque**	17.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	21.4 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	75.1 A
Service Factor (S.F.)			1.15	**No-load Current**	5.72 A
NEMA Nom. Eff.	89.5	**Power Factor**	74	**Line-line Res. @ 25ºC**	0.731 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	24°C
S.F. Amps				**Temp. Rise @ S.F. Load**	28°C
				Locked-rotor Power Factor	43.6
				Rotor inertia	0.279 LB-FT2

Load Characteristics 200 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	53	66	73	78	81	76
Efficiency	79.6	87.3	89.3	89.6	89.5	88.3	89.6
Speed	1791	1783	1775	1766	1756	1745	1760
Line amperes	6.1	6.99	8.24	9.7	11.5	13.5	10.8

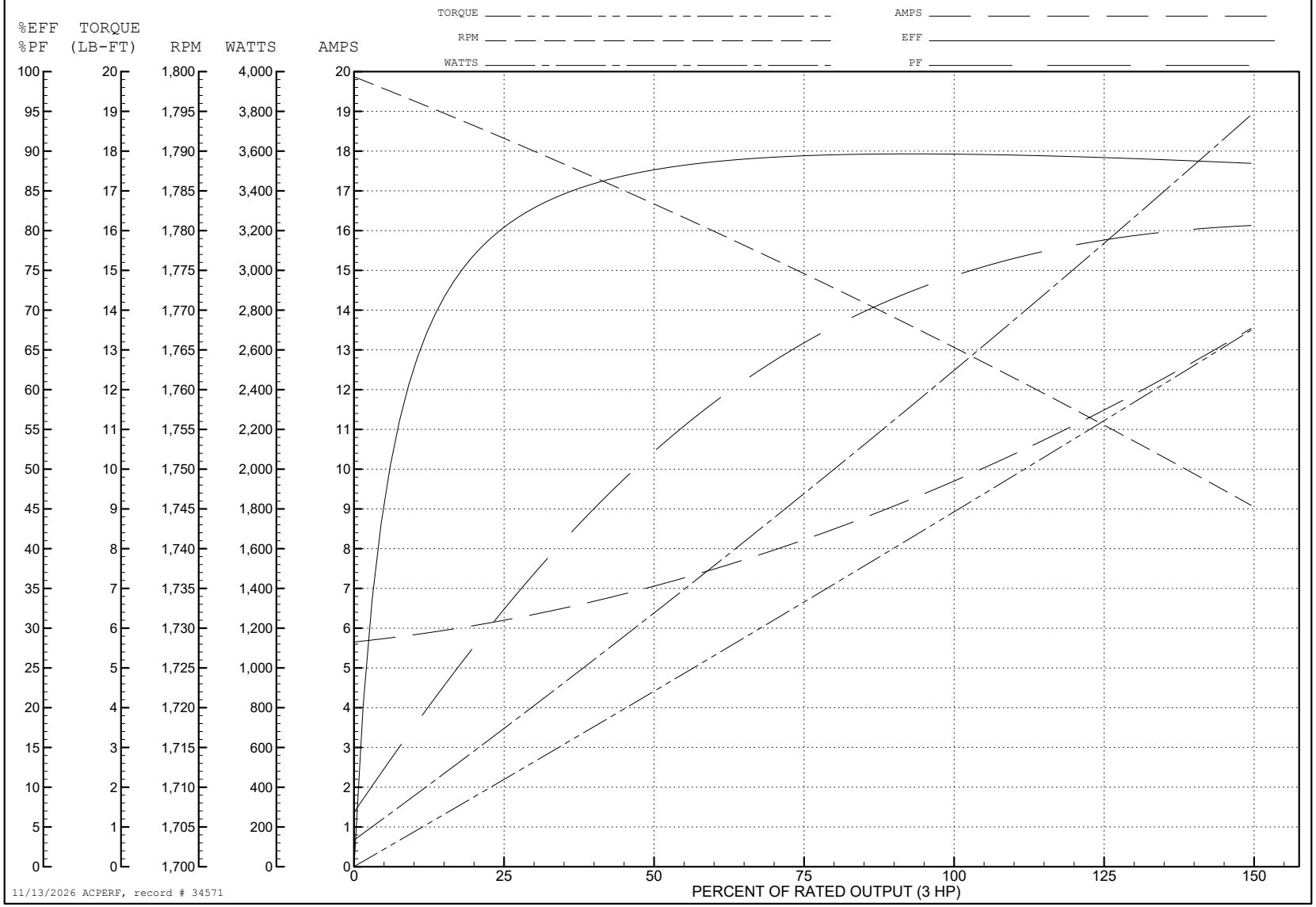
ABB Motors and Mechanical Inc.

WINDING # 36WGS760

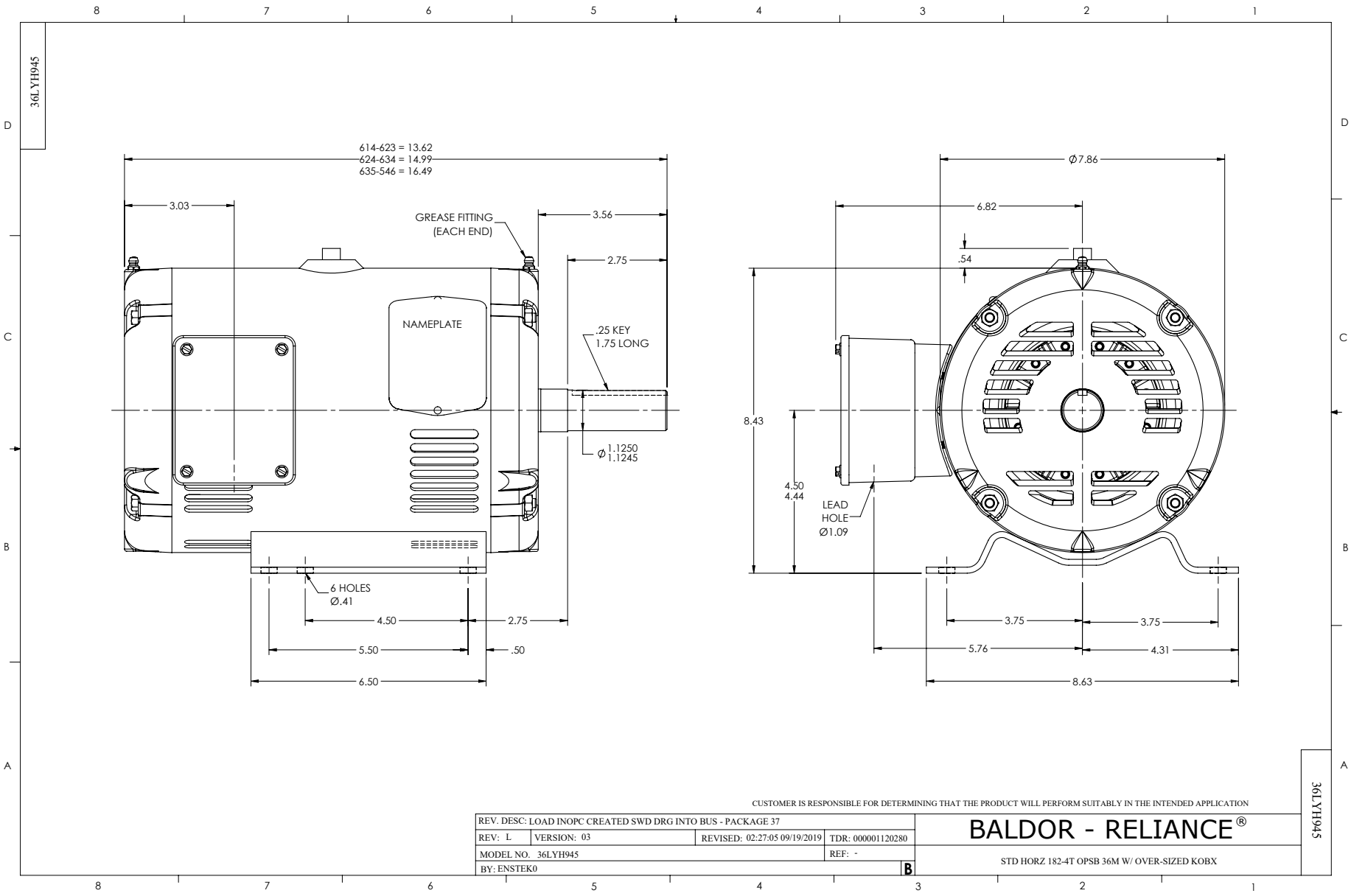
Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1765 RPM 200 V 3630M

TORQUES(LB-FT): PO=37.6 PU=17.5 LR=21.4 LRA=75.1

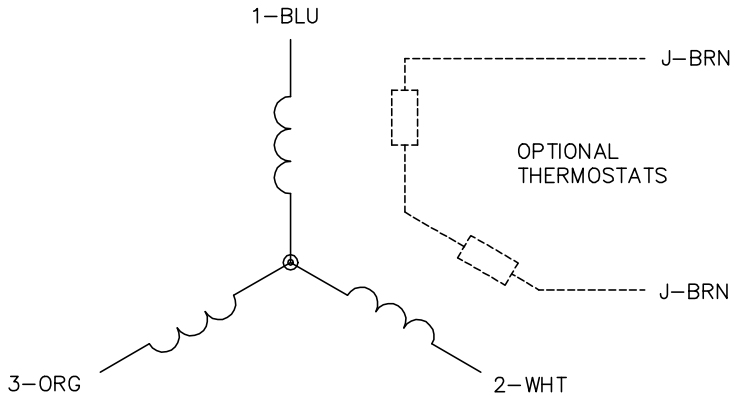


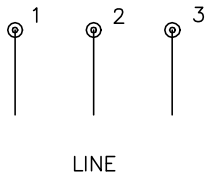
11/13/2026 ACPERF, record # 34571


36LYH945
614-623 = 13.62
624-634 = 14.99
635-546 = 16.49
3.03
GREASE FITTING
(EACH END)
3.56
2.75
NAMEPLATE
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
6 HOLES
Ø.41
4.50
2.75
5.50
.50
6.50
Ø7.86
6.82
.54
8.43
4.50
4.44
LEAD
HOLE
Ø1.09
3.75
3.75
5.76
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 37
REV: L
VERSION: 03
REVISED: 02:27:05 09/19/2019
TDR: 000001120280
MODEL NO. 36LYH945
REF: -
BY: ENSTEK0
B
BALDOR - RELIANCE®
STD HORZ 182-4T OPSB 36M W/ OVER-SIZED KOBX
36LYH945

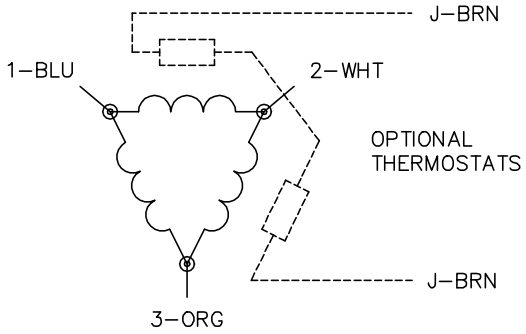
CD0006

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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