

BALDOR • RELIANCE

Customer information packet

EM3211T-8G

3HP, 1765RPM, 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	200.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary 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	H

Part detail

Revision	N
Type	AC
Mech. spec.	36M526
Base	
Status	PRD/A
Elec. spec.	36WGS760
Layout	36LYM526
Eff. date	06-11-2024
CD Diagram	CD0006
Poles	04
Leads	3#14
Proprietary	False
Created date	09-10-2013

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	3 @ 14 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	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	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-8G								
SPEC	36M526S760G2								
HP	3								
VOLTS	200								
AMPS	9.7								
RPM	1765								
FRAME	182T		HZ	60		PH	3		
SF	1.15	CODE	K	DES	B	CLASS	H		
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)									

AC Induction Motor Performance Data

Record # 50480

Typical performance - not guaranteed values

Winding: 36WGS760-R003		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	Locked-rotor Torque	21.4 LB-FT		
NEMA Design Code	B	Starting Current	75.1 A		
Service Factor (S.F.)	1.15	No-load Current	5.72 A		
NEMA Nom. Eff.	89.5	Line-line Res. @ 25°C	0.731 Ω		
Rating - Duty	40C	Temp. Rise @ Rated Load	24°C		
S.F. Amps	AMB-CONT	Temp. Rise @ S.F. Load	28°C		
		Locked-rotor Power Factor	43.6		
		Rotor inertia	0.279 LB-FT ²		

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	87.4	89.4	89.7	89.5	88.3	89.6
Speed	1791	1783	1775	1766	1756	1745	1760
Line amperes	6.1	6.99	8.24	9.84	11.5	13.5	10.8

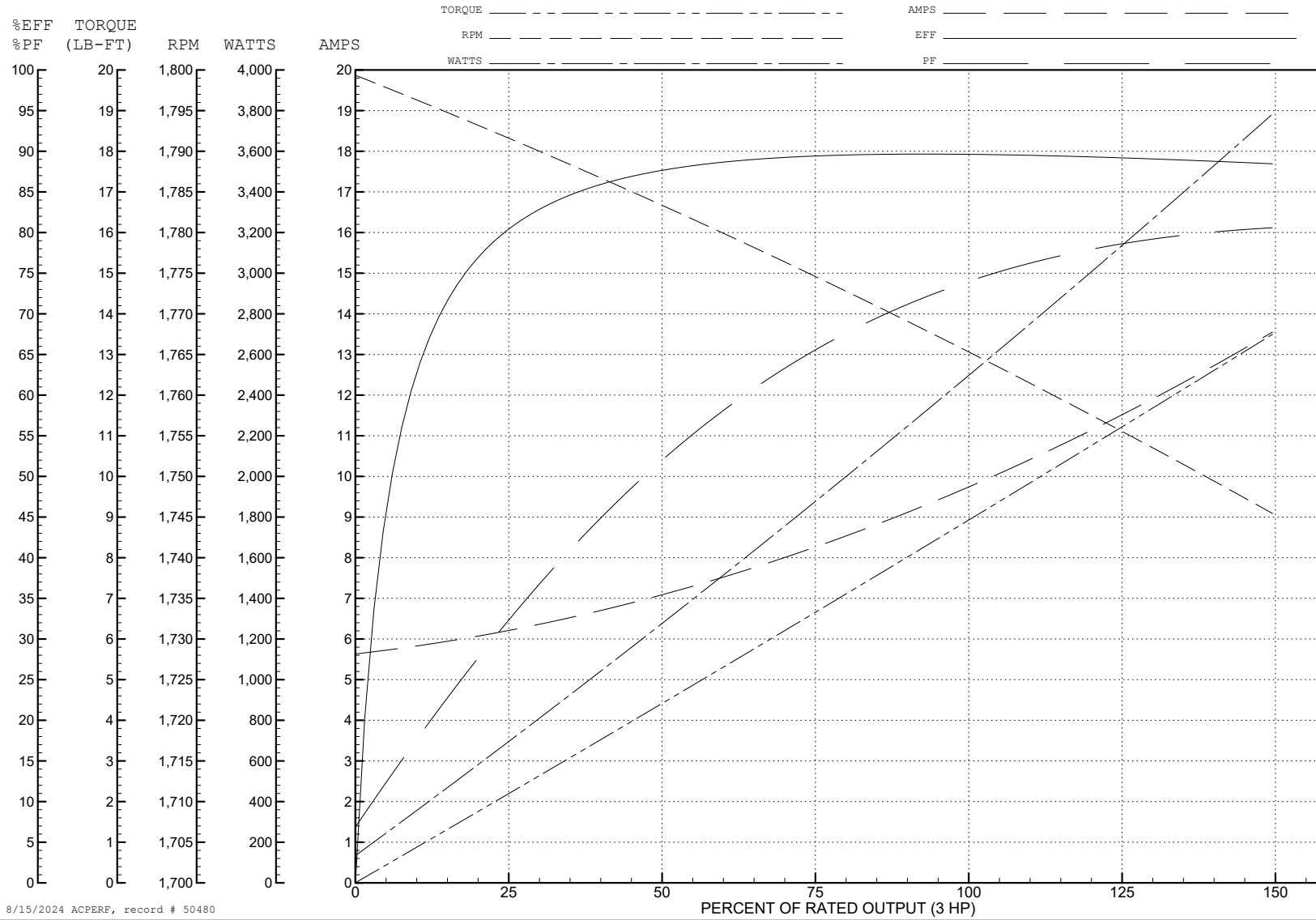
ABB Motors and Mechanical Inc.

WINDING # 36WGS760

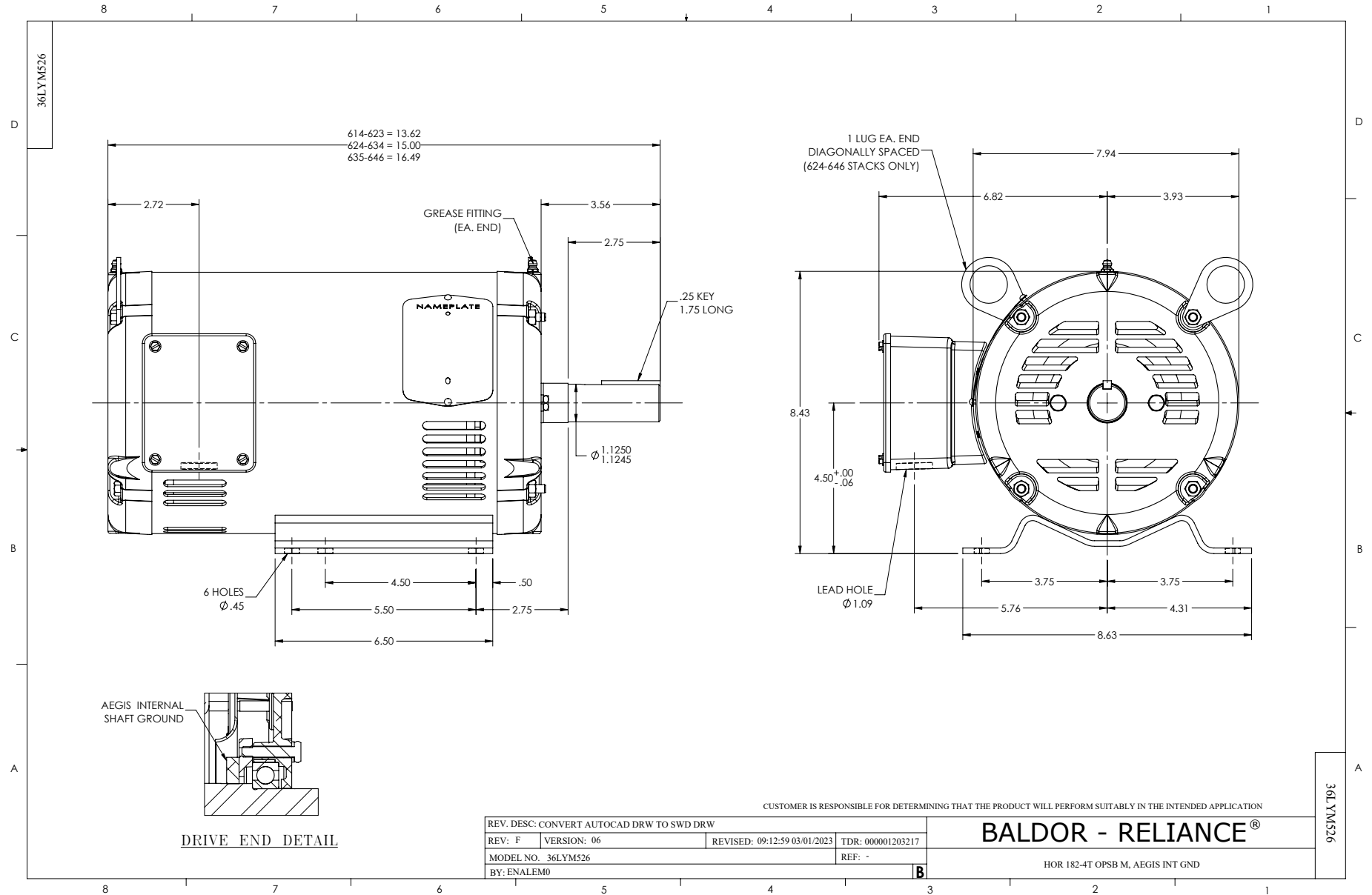
3 HP 3 PH 60 HZ 1765 RPM 200 V 3630M

Typical performance - not guaranteed values.

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



8/15/2024 ACPERF, record # 50480



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

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

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