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# Customer information packet

## EM3211TA

3HP, 1755RPM, 3PH, 60HZ, 182T, 3632M, 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	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR CSA
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	8.900 A @ 208.0 V 8.800 A @ 230.0 V 4.400 A @ 460.0 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

## Part detail

Revision	U
Type	AC
Mech. spec.	36B101
Base	
Status	PRD/A
Elec. spec.	36WGS576
Layout	36LYB101
Eff. date	10-14-2024
CD Diagram	CD0007
Poles	04
Leads	12#16
Proprietary	False
Created date	09-17-2010

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.00 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

<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	SB
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP2601L</b>									
<b>CAT.NO.</b>	EM3211TA								
<b>SPEC.</b>	36B101S576G1								
<b>HP</b>	3								
<b>VOLTS</b>	230/460								
<b>AMP</b>	8.8/4.4								
<b>RPM</b>	1760								
<b>FRAME</b>	182T	<b>HZ</b>	60	<b>PH</b>	3				
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES</b>	B	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	89.5	<b>PF</b>	75						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>DE</b>	6206	<b>ODE</b>	6205						
<b>ENCL</b>	OPSB	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 41081

Typical performance - not guaranteed values

<b>Winding: 36WGS576-R001</b>		<b>Type: 3631M</b>	<b>Enclosure: OPSB</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
<b>Rated Output (HP)</b>	3	<b>Full Load Torque</b>	9.13 LB-FT	
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	8.8/4.4	<b>Breakdown Torque</b>	32.8 LB-FT	
<b>R.P.M.</b>	1760	<b>Pull-up Torque</b>	21.4 LB-FT	
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	23.6 LB-FT
<b>NEMA Design Code</b>	<b>B KVA Code</b>	K	<b>Starting Current</b>	29.6 A
<b>Service Factor (S.F.)</b>		1.15	<b>No-load Current</b>	2.3 A
<b>NEMA Nom. Eff.</b>	89.5 <b>Power Factor</b>	75	<b>Line-line Res. @ 25°C</b>	3.9718 Ω
<b>Rating - Duty</b>		40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	25°C
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	30°C

**Load Characteristics 460 V, 60 Hz, 3 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	36	56	68	75	79	82	77
<b>Efficiency</b>	82.3	87.9	89	88.7	87.7	86.3	88.1
<b>Speed</b>	1786.7	1774.4	1761.1	1746.7	1731.5	1713.8	1738
<b>Line amperes</b>	2.5	2.93	3.54	4.25	5.08	5.99	4.75

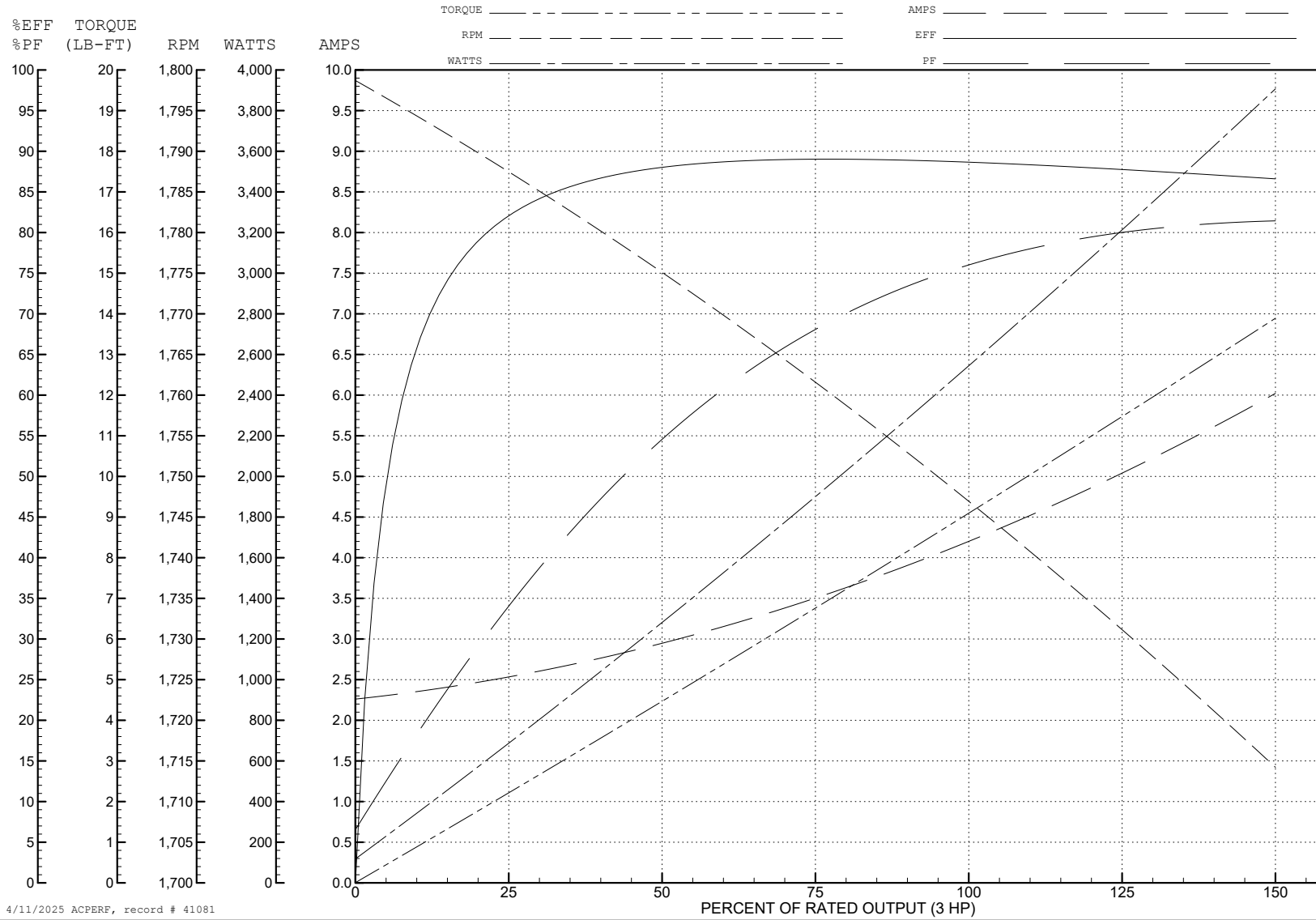
ABB Motors and Mechanical Inc.

WINDING # 36WGS576

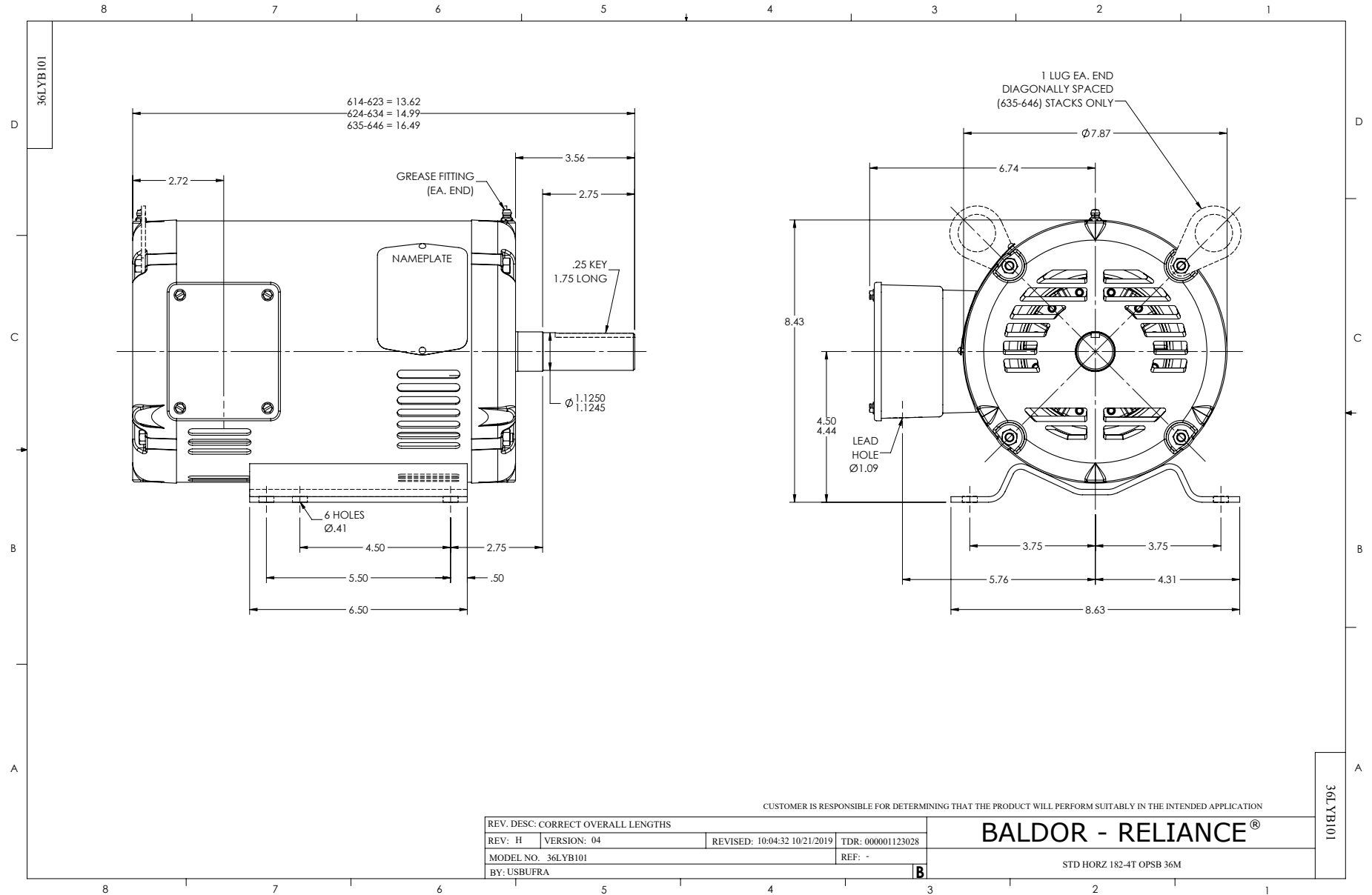
Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1760 RPM 460 V 3631M

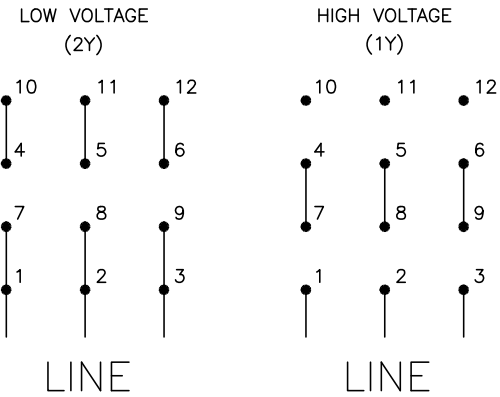
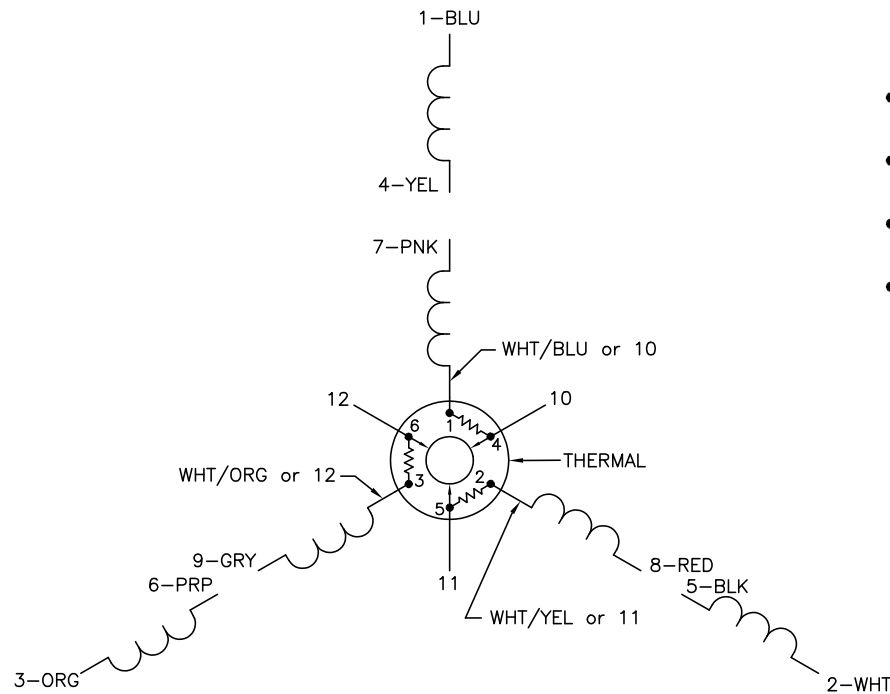
TORQUES (LB-FT): PO=32.8 PU=21.4 LR=23.6 LRA=29.6



4/11/2025 ACPERF, record # 41081



CD0007



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0007

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
∟00000		FILE: AAA00008370	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, THERMAL, 12 LEADS