

ABB BALDOR RELIANCE III

Customer information packet

CBM3611T

3HP, 1750RPM, 3PH, 60HZ, 182TC, 3622M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
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
Brake Torque	15.0 lb-ft
Current @ Voltage	9.000 A @ 230.0 V 9.000 A @ 208.0 V 4.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Brake Mounting

Part Detail

Revision	D
Type	AC
Mech. spec.	36E047
Base	
Status	NLA/A
Elec. spec.	36WGS914
Layout	36LYE047
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	06-02-2012

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3622M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.74 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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	1750 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

NP1256L									
CAT.NO.	CBM3611T								
SPEC.	36E047S914G1								
HP	3								
VOLTS	208-230/460								
AMP	9/4.5								
RPM	1750								
FRAME	182TC		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	B	CLASS	F		
NEMA-NOM-EFF	85.5	PF	72						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 38669

Typical performance - not guaranteed values

Winding: 36WGS914-R002			Type: 3622M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		3	Full Load Torque		9.03 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		9/4.5	Breakdown Torque		45.3 LB-FT			
R.P.M.		1750	Pull-up Torque		19.5 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		22.8 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		30.5 A	
Service Factor (S.F.)		1.15		No-load Current		2.86 A		
NEMA Nom. Eff.		85.5	Power Factor		72	Line-line Res. @ 25°C		4.7148 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		64°C		
S.F. Amps				Temp. Rise @ S.F. Load		75°C		

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	65	72	78	82	76
Efficiency	74.4	83.3	85.9	86.1	85.7	84.7	85.9
Speed	1789.6	1777.6	1764.6	1751	1735.5	1718.8	1742
Line amperes	2.95	3.32	3.83	4.54	5.26	6.06	4.97

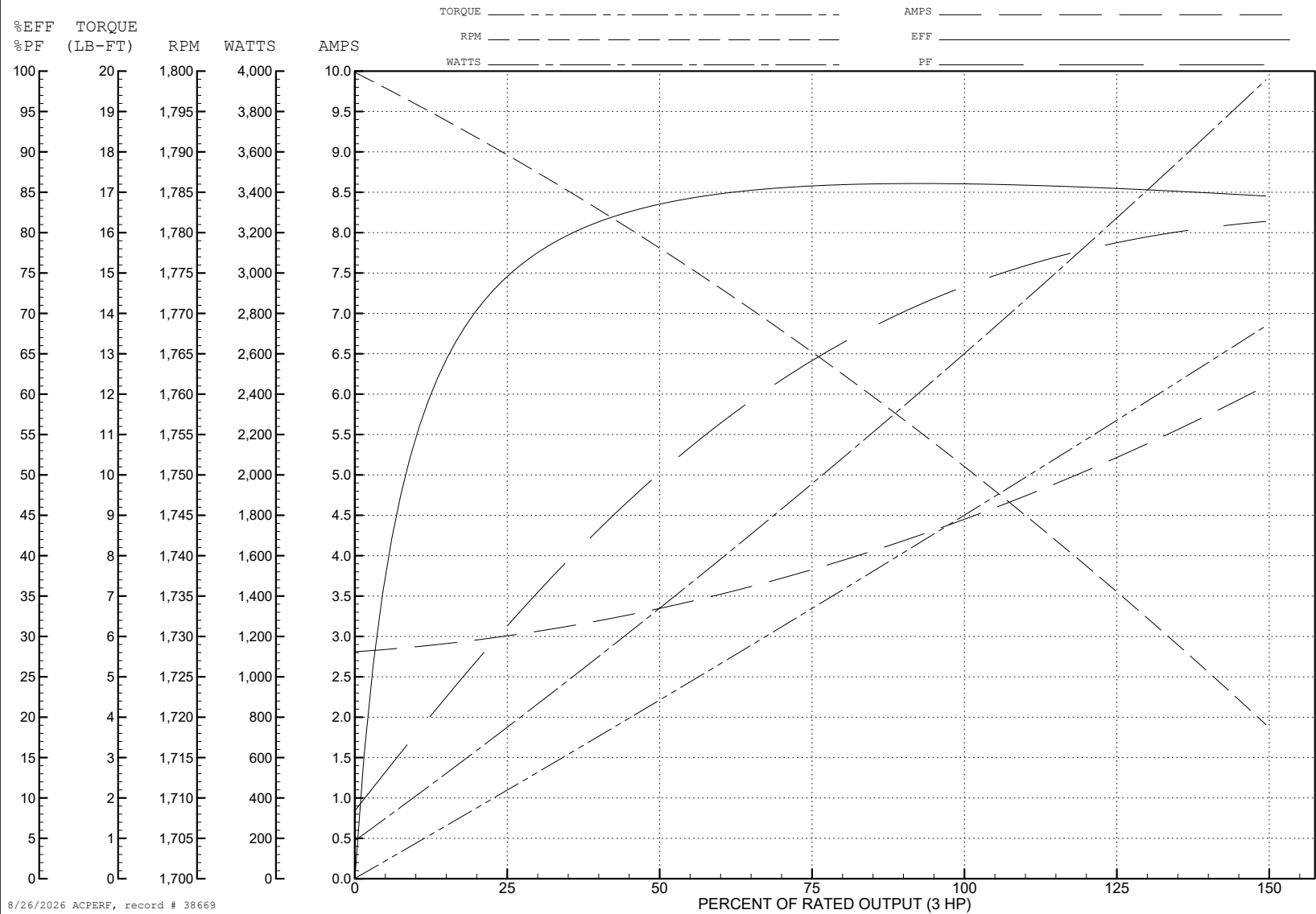
ABB Motors and Mechanical Inc.

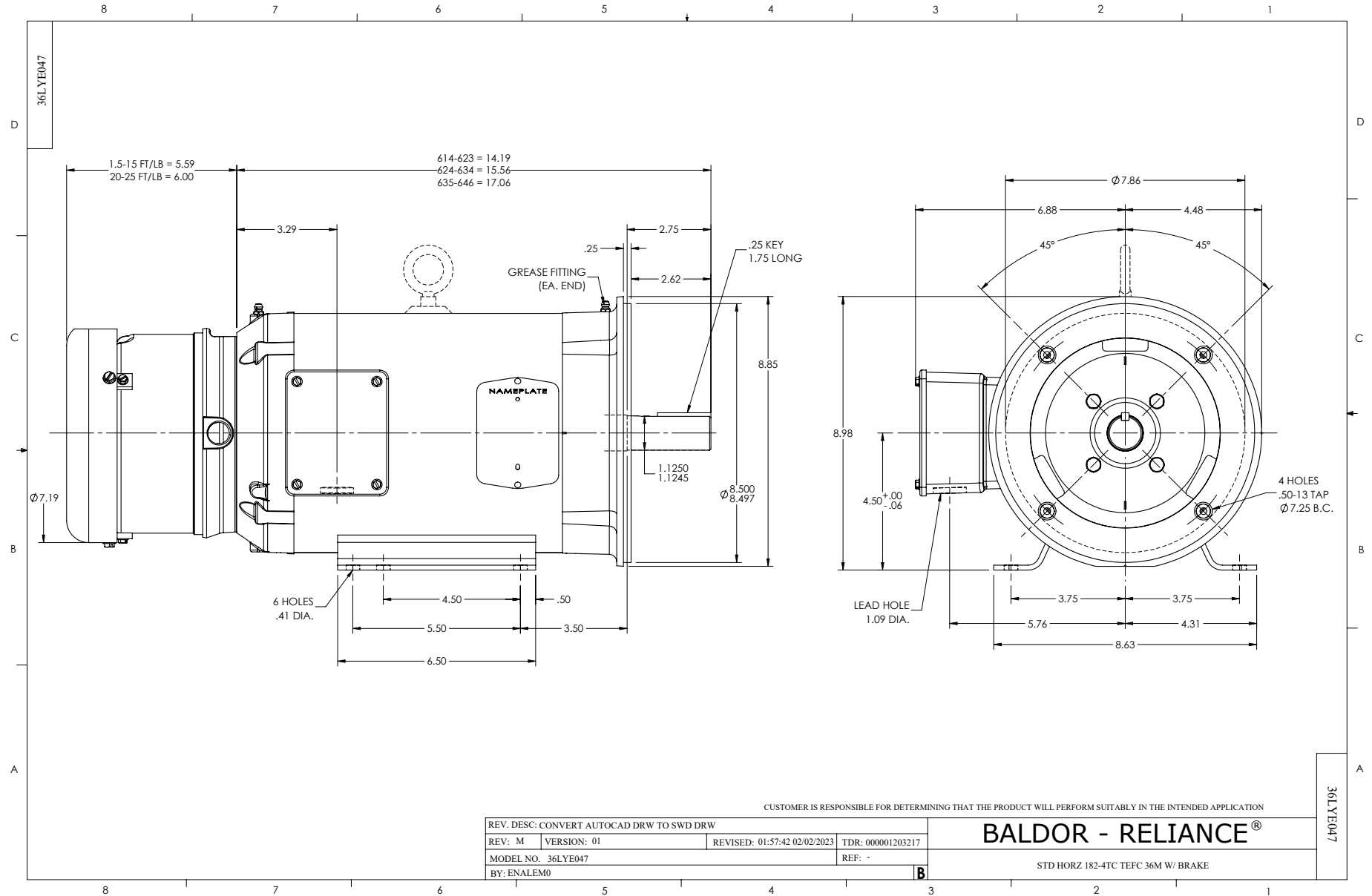
WINDING # 36WGS914

Typical performance - not guaranteed values.

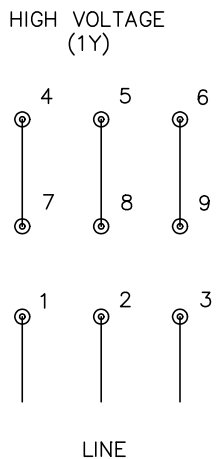
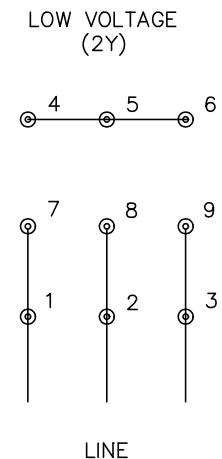
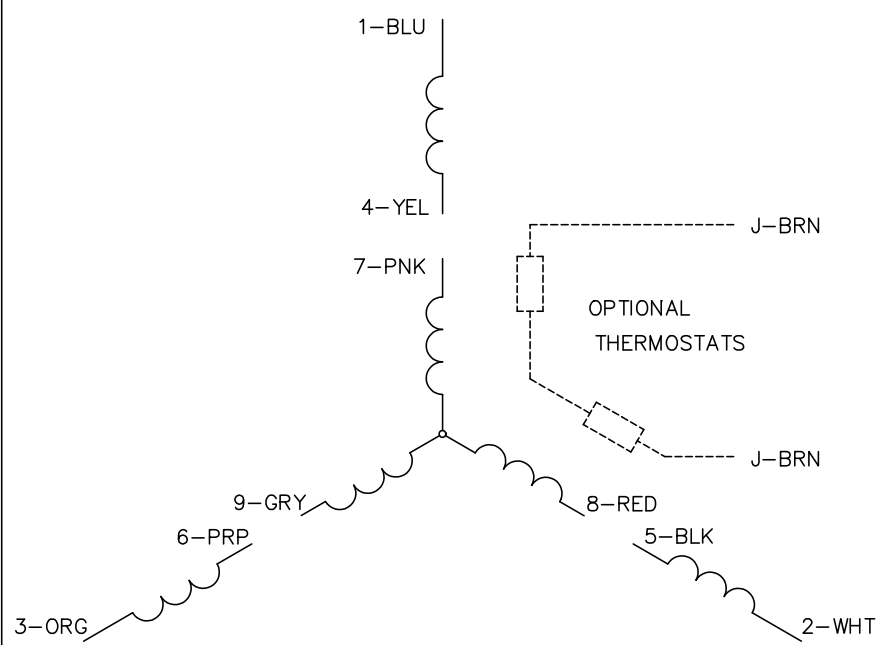
3 HP 3 PH 60 HZ 1750 RPM 460 V 3622M

TORQUES (LB-FT) : PO=45.3 PU=19.5 LR=22.8 LRA=30.5





CD0005



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005