



Customer information packet

EL1405T

2HP, 1740RPM, 1PH, 60HZ, 182T, 3623LC, 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	Cap Start, Cap Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA_PREMIUM UR
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	17.600 A @ 115.0 V 8.800 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	AN
Type	AC
Mech. spec.	36G967
Base	
Status	PRD/A
Elec. spec.	36WGY526
Layout	36LYG967
Eff. date	05-01-2024
CD Diagram	CD0055
Poles	04
Leads	6#16
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	8.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3623LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.87 IN
Power Factor	90
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	1740 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
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Nameplate

NP2116L											
CAT.NO.	EL1405T										
SPEC.	36G967Y526G1										
HP	2										
VOLTS	115/230										
AMP	17.6/8.8										
RPM	1740										
FRAME	182T			HZ	60			PH	1		
SER.F.	1.15		CODE	J		DES	L	CL	F		
NEMA-NOM-EFF	82.5		PF	90							
RATING	40C AMB-CONT										
CC											
DE	6206		ODE	6205							
ENCL	OPSB		SN								
	SFA 20.4/10.2										

Accessories

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

AC Induction Motor Performance Data

Record # 11390

Typical performance - not guaranteed values

Winding: 36WGY526-R001			Type: 3623LC		Enclosure: OPSB	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		2	Full Load Torque		6.1 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		17.6/8.8	Breakdown Torque		13.2 LB-FT	
R.P.M.		1740	Pull-up Torque		9.2 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		14.7 LB-FT
NEMA Design Code		L	KVA Code	J	Starting Current	
Service Factor (S.F.)		1.15	No-load Current		3.5 A	
NEMA Nom. Eff.		82.5	Power Factor		90	Line-line Res. @ 25°C
						1.27 Ω A Ph 0.65 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps		20.4/10.2			Temp. Rise @ S.F. Load	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	72	85	90	92	92	91	92
Efficiency	70.9	81.6	83.9	82.6	79.6	74.3	80.8
Speed	1787	1773	1758	1742	1722	1688	1730
Line amperes	3.46	4.83	6.61	8.6	11.08	17.38	10.1

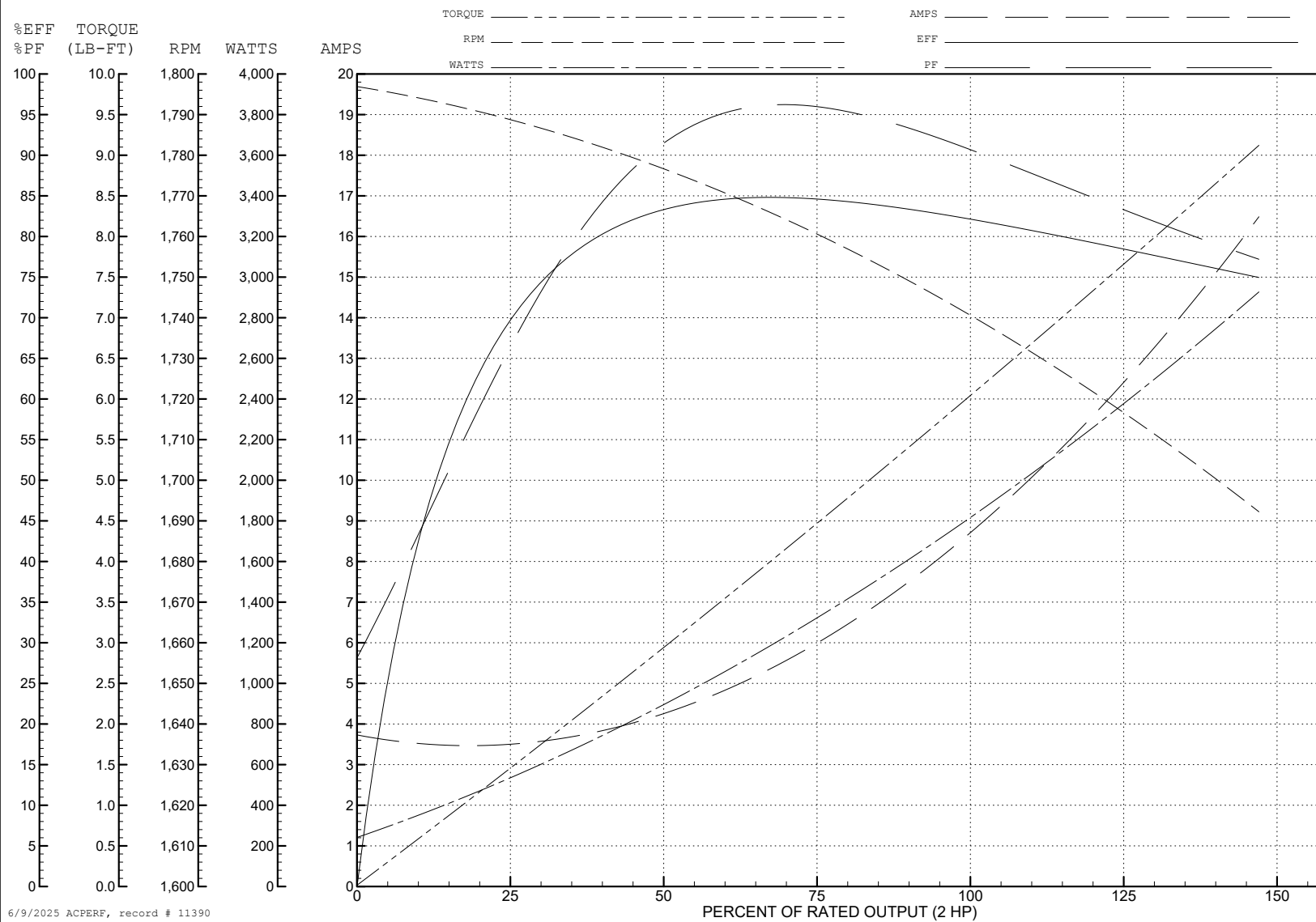
ABB Motors and Mechanical Inc.

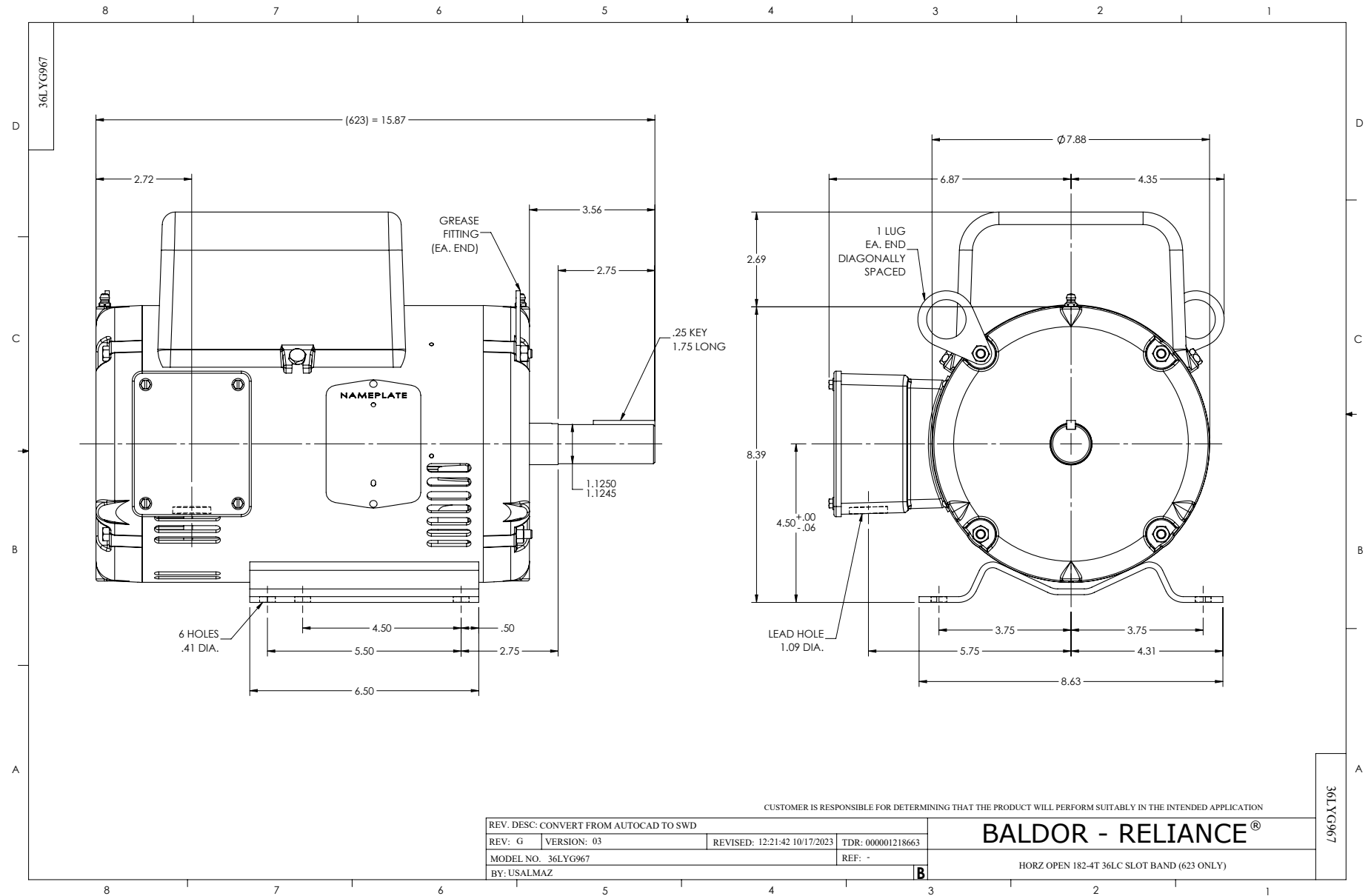
WINDING # 36WGY526

Typical performance - not guaranteed values.

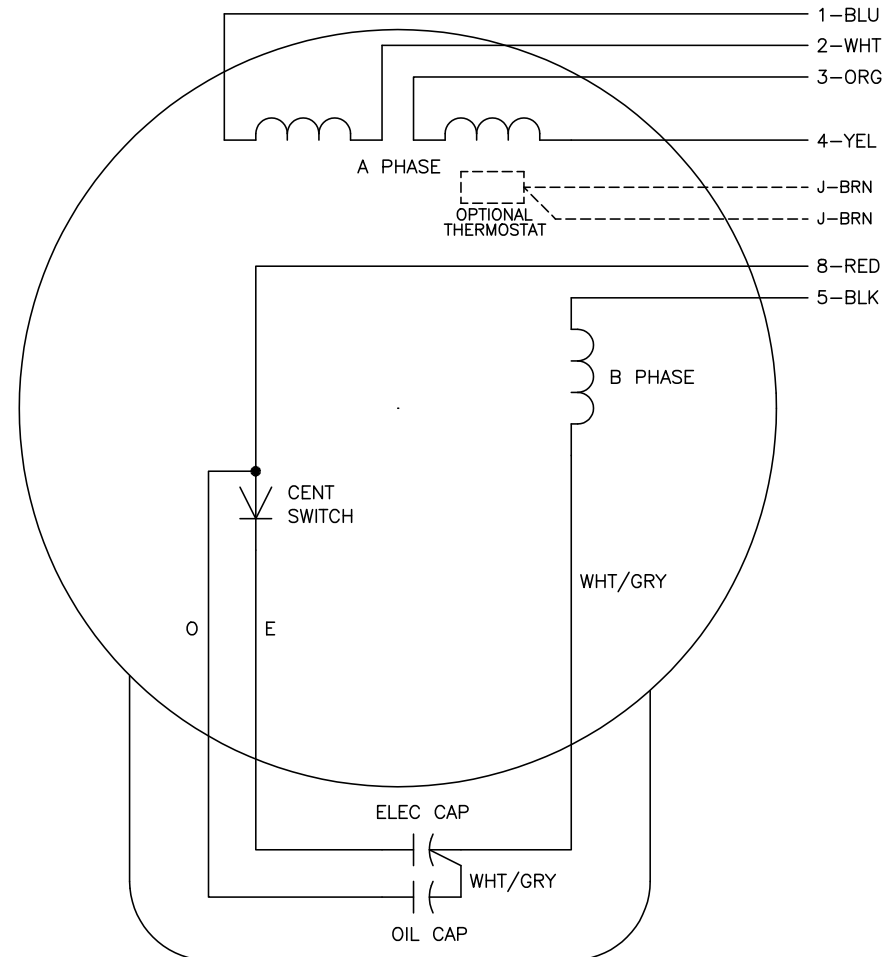
2 HP 1 PH 60 HZ 1740 RPM 230 V 3623LC

TORQUES (LB-FT): PO=13.2 PU=9.2 LR=14.7 LRA=62.4





CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	—
LOW OPP	1,3,5	2,4,8	—

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: —
		MTL: —	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS

CD00055