ABB BALDOR RELIANCE

Customer information packet

JPL1508T

5HP, 1725RPM, 1PH, 60HZ, 213JP, 3727L, OPSB, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	213JP
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	27.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
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	27.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	Y
Type	AC
Mech. spec.	37K239
Base	
Status	PRD/A
Elec. spec.	37WGT912
Layout	37LYK239
Eff. date	05-13-2024
CD Diagram	CD0017A01
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	06-23-2006

KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3727L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.07 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 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.	JPL1508T								
SPEC.	37K239T912								
HP	5								
VOLTS	230								
AMP	27								
RPM	1725								
FRAME	213JP	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	G	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	77	**PF**	78						
RATING	40C AMB-CONT								
CC									
DE	6309	**ODE**	6206						
ENCL	OPSB	**SN**							

AC Induction Motor Performance Data
Record # 61328
Typical performance - not guaranteed values

Winding: 37WGT912-R002	**Type:** 3727L	**Enclosure:** OPSB

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15.3 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			27	**Breakdown Torque**	43 LB-FT
R.P.M.			1725	**Pull-up Torque**	30.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	46.9 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	132 A
Service Factor (S.F.)			1.15	**No-load Current**	14.3 A
NEMA Nom. Eff.	77	**Power Factor**	78	**Line-line Res. @ 25ºC**	0.352 Ω A Ph 1.48 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	68°C
S.F. Amps				**Temp. Rise @ S.F. Load**	88°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	71	78	81	82	80
Efficiency	71.1	79.4	78	77.1	74.1	67.1	75.3
Speed	1781	1766	1749	1728	1699	1653	1711
Line amperes	14.9	17.5	21.9	27.1	33.9	44.4	31.2

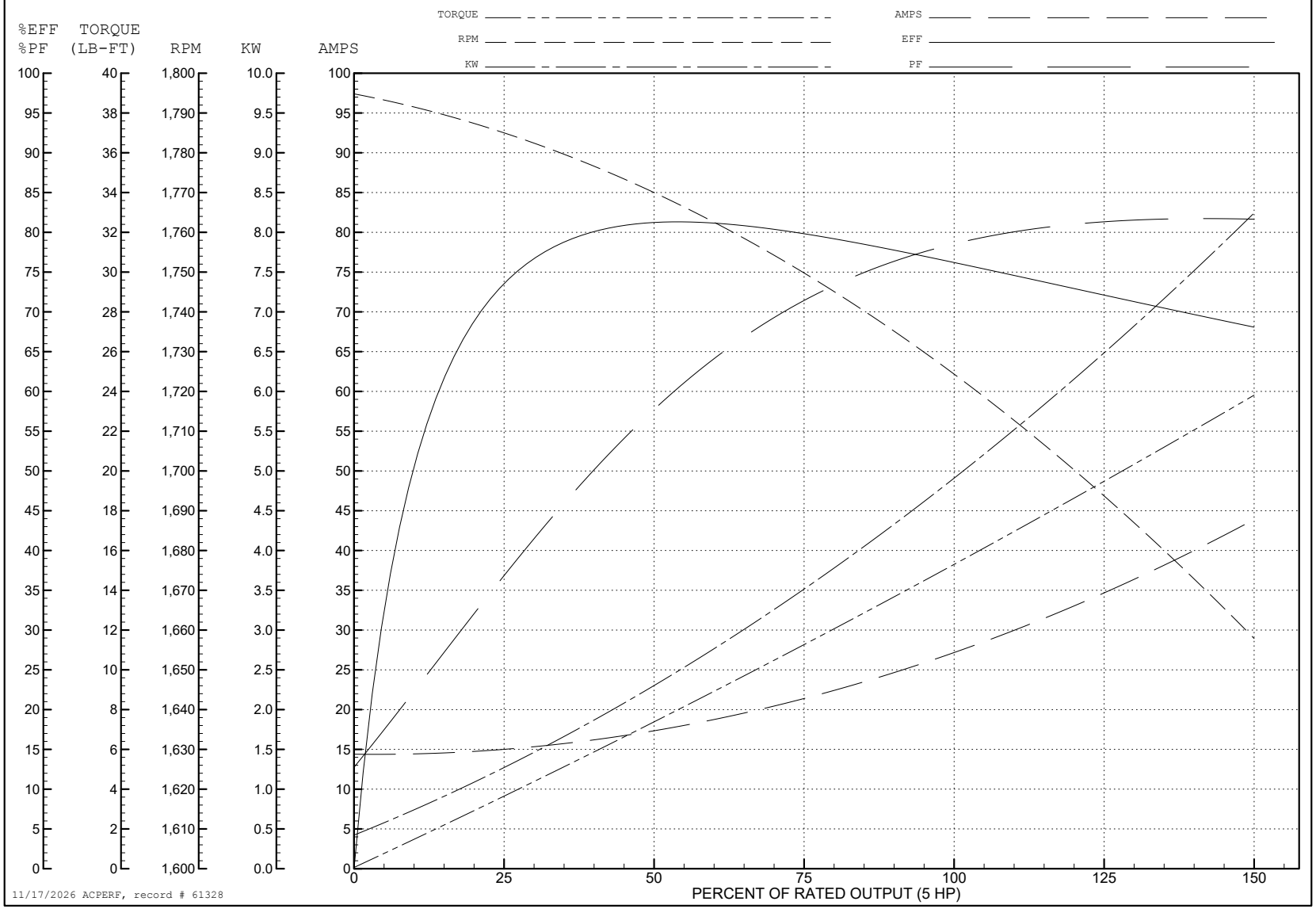
ABB Motors and Mechanical Inc.

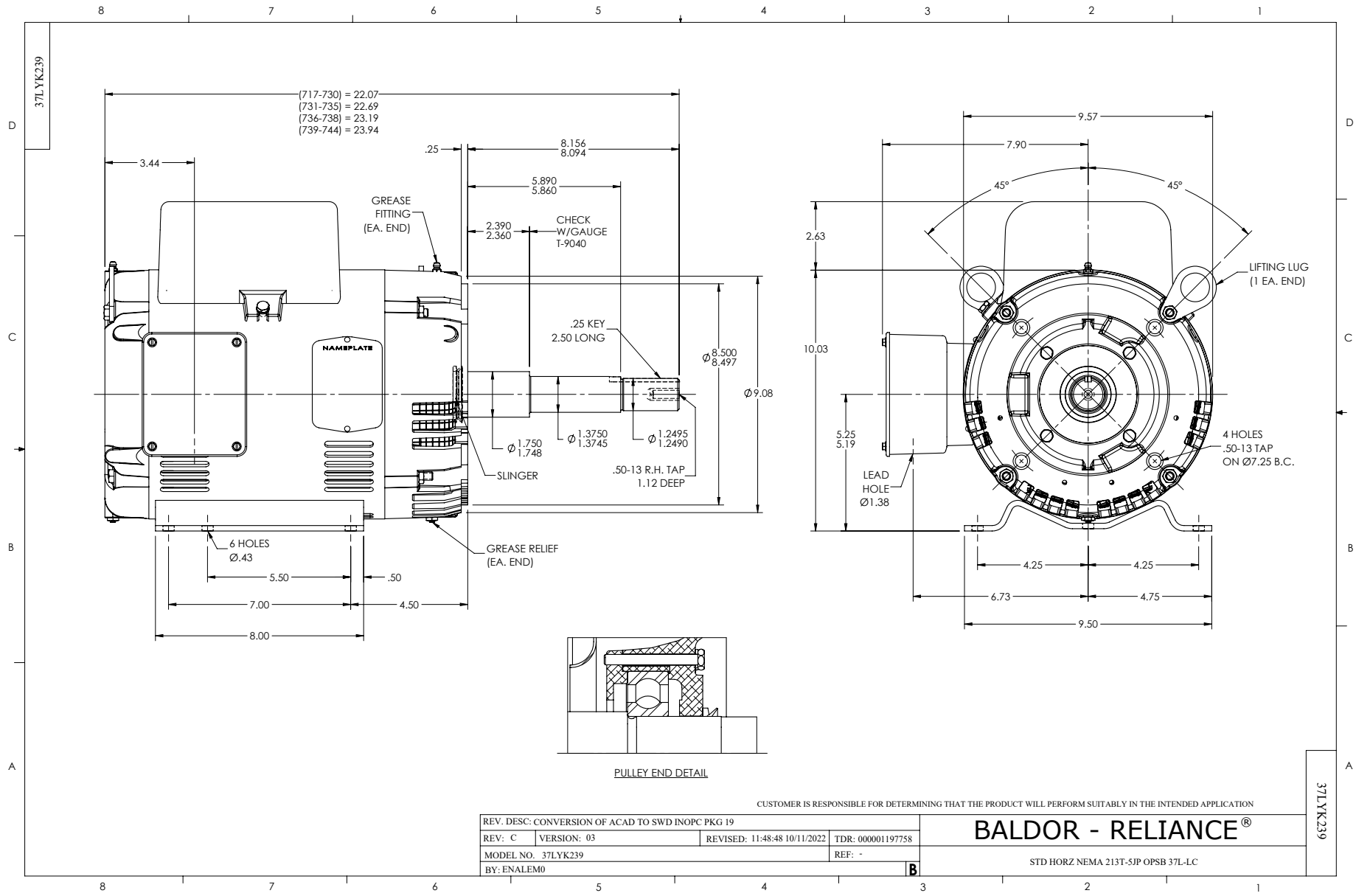
WINDING # 37WGT912

5 HP 1 PH 60 HZ 1725 RPM 230 V 3727L

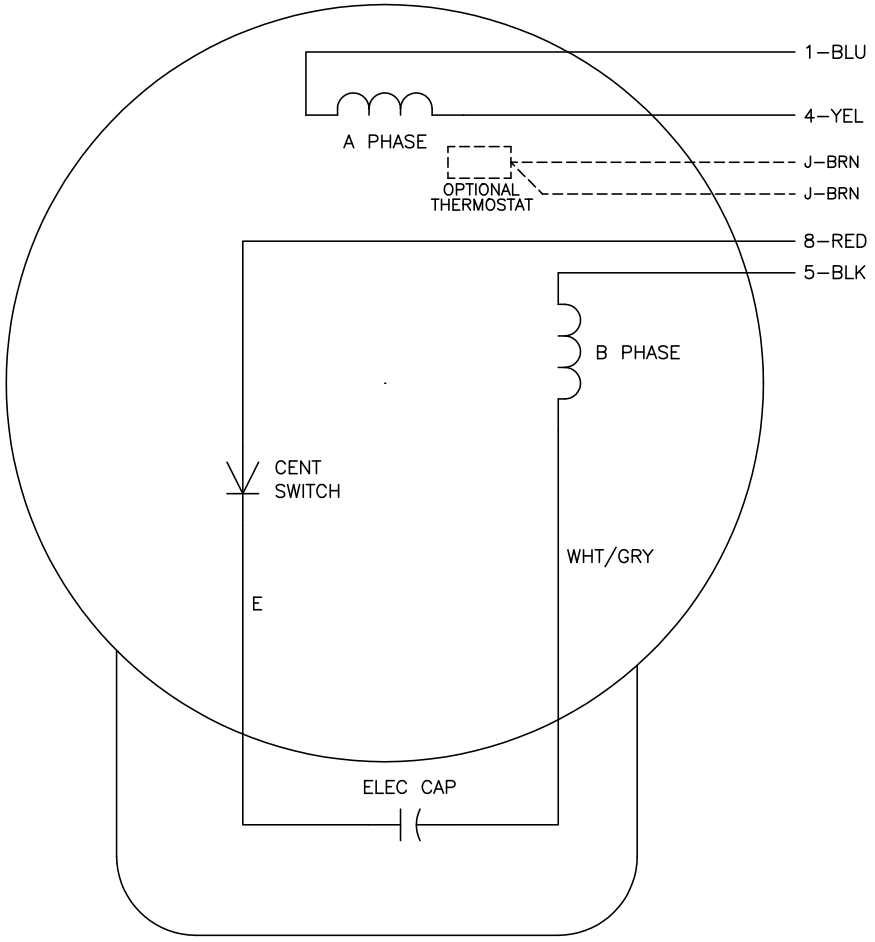
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=43 PU=30.8 LR=46.9 LRA=132




37LYK239
(717-730) = 22.07
(731-735) = 22.69
(736-738) = 23.19
(739-744) = 23.94
3.44
.25
8.156
8.094
5.890
5.860
GREASE FITTING (EA. END)
2.390
2.360
CHECK W/GAUGE T-9040
NAMEPLATE
.25 KEY
2.50 LONG
Ø8.500
8.497
Ø9.08
Ø1.750
1.748
Ø1.3750
1.3745
Ø1.2495
1.2490
SLINGER
.50-13 R.H. TAP
1.12 DEEP
6 HOLES
Ø.43
GREASE RELIEF (EA. END)
5.50
.50
7.00
4.50
8.00
9.57
7.90
45°
45°
2.63
10.03
LIFTING LUG (1 EA. END)
5.25
5.19
LEAD HOLE Ø1.38
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
4.25
4.25
6.73
4.75
9.50
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: C
VERSION: 03
REVISED: 11:48:48 10/11/2022
TDR: 000001197758
MODEL NO. 37LYK239
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ NEMA 213T-5JP OPSB 37L-LC
37LYK239

CD0017A01



	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	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.

CD0017A01

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 04/08/99 1:18	TDR: 0178636
CD0017A01		FILE: AAA00007513	MDL: –
		MTL: –	TYPE L, SV, REV, 4 LEADS