ABB BALDOR RELIANCE

Customer information packet

JML1508T

5HP, 1745RPM, 1PH, 60HZ, 213JM, 3727L, OPSB, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	213JM
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	B
Inverter Code	Not Inverter

Part Detail

Revision	Y
Type	AC
Mech. spec.	37K238
Base	
Status	PRD/A
Elec. spec.	37WGT912
Layout	37LYK238
Eff. date	05-13-2024
CD Diagram	CD0017A01
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	06-22-2006

KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3727L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.19 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	1.000 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

Nameplate

NP1256L									
CAT.NO.	JML1508T								
SPEC.	37K238T912								
HP	5								
VOLTS	230								
AMP	27								
RPM	1725								
FRAME	213JM	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	G	**DES**	L	**CLASS**	B		
NEMA-NOM-EFF	77	**PF**	78						
RATING	40C AMB-CONT								
CC									
DE	6309	**ODE**	6206						
ENCL	OPSB	**SN**							

AC Induction Motor Performance Data
Record # 37146
Typical performance - not guaranteed values

Winding: 37WGT912-R001	**Type:** 3727L	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)		5	
Volts		230	
Full Load Amps		27	
R.P.M.		1725	
Hz	60 **Phase**	1	
NEMA Design Code	L **KVA Code**	G	
Service Factor (S.F.)		1.15	
NEMA Nom. Eff.	77 **Power Factor**	78	
Rating - Duty		40C AMB-CONT	
S.F. Amps			

230 V, 60 Hz: Single Voltage Motor	
Full Load Torque	15.3 LB-FT
Start Configuration	direct on line
Breakdown Torque	43 LB-FT
Pull-up Torque	30.8 LB-FT
Locked-rotor Torque	46.9 LB-FT
Starting Current	132 A
No-load Current	14.3 A
Line-line Res. @ 25ºC	0.352 Ω A Ph 1.48 Ω B Ph
Temp. Rise @ Rated Load	68°C
Temp. Rise @ S.F. Load	81°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	72	78	81	82	80
Efficiency	71.2	79.4	78	77.3	74	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

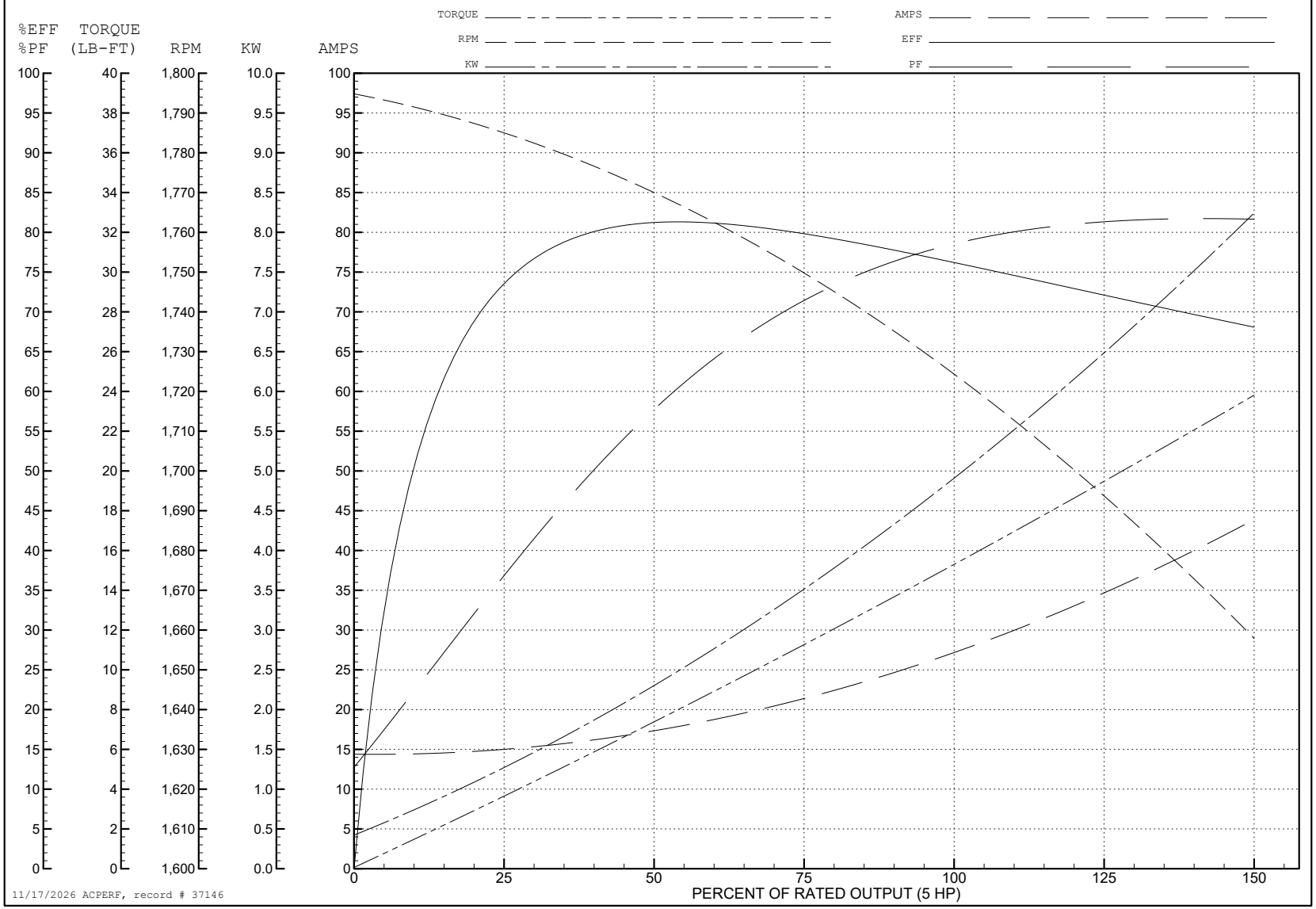
ABB Motors and Mechanical Inc.

WINDING # 37WGT912

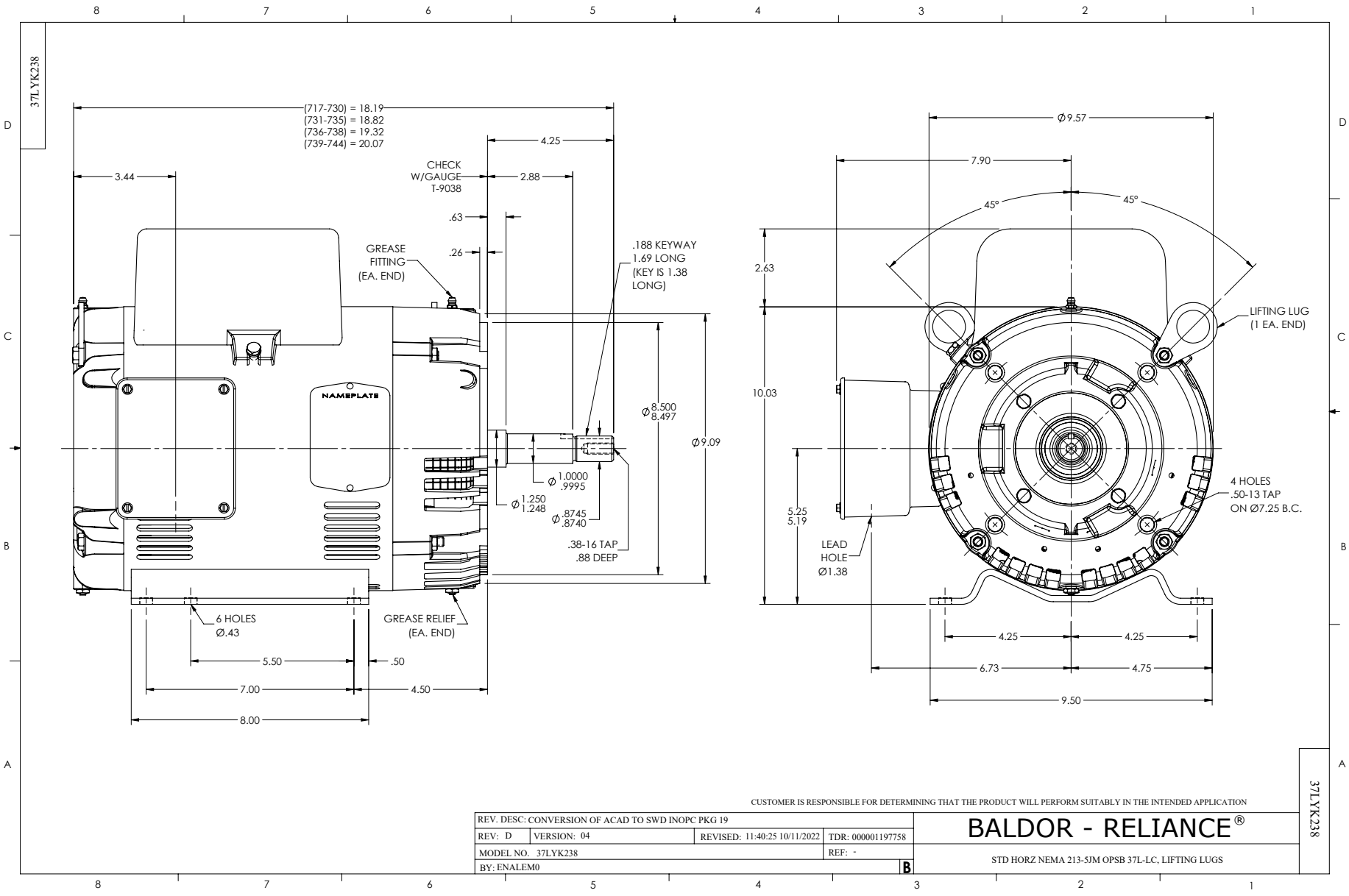
5 HP 1 PH 60 HZ 1725 RPM 230 V 3727L

Typical performance - not guaranteed values.

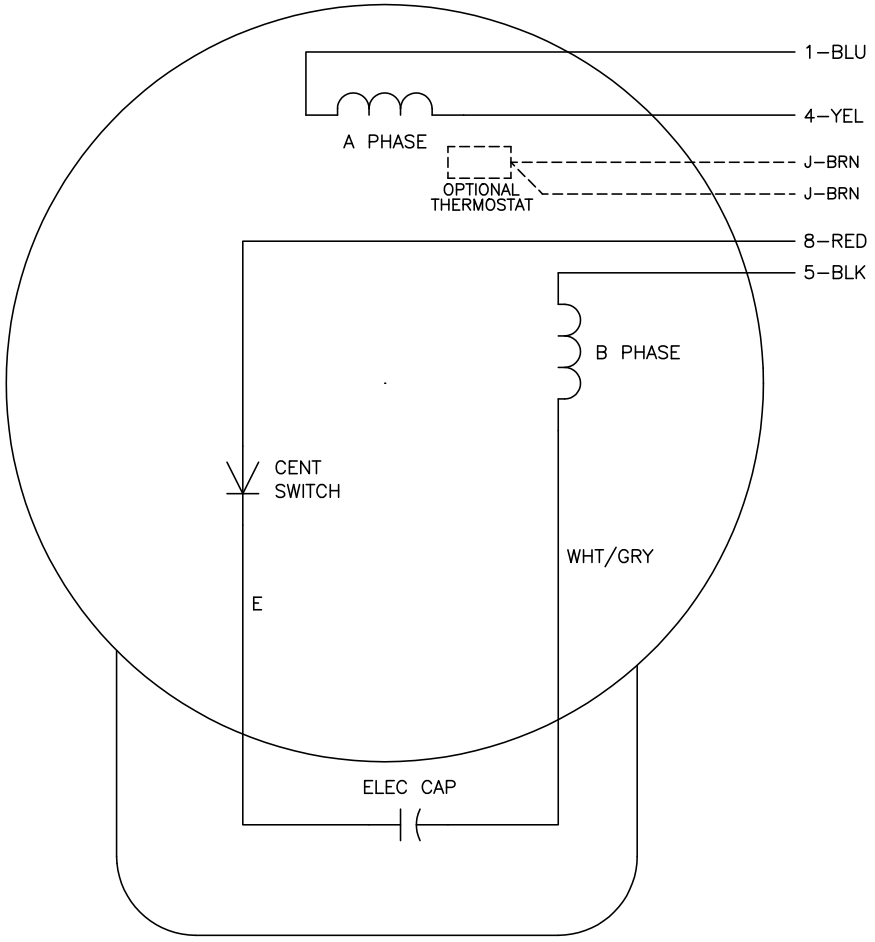
TORQUES(LB-FT): PO=43 PU=30.8 LR=46.9 LRA=132



11/17/2026 ACPERF, record # 37146


37LYK238
(717-730) = 18.19
(731-735) = 18.82
(736-738) = 19.32
(739-744) = 20.07
4.25
3.44
CHECK W/GAUGE T-9038
2.88
.63
.26
GREASE FITTING (EA. END)
.188 KEYWAY 1.69 LONG (KEY IS 1.38 LONG)
NAMEPLATE
Ø 8.500 8.497
Ø 9.09
Ø 1.0000 .9995
Ø 1.250 1.248
Ø .8745 .8740
.38-16 TAP .88 DEEP
6 HOLES Ø.43
GREASE RELIEF (EA. END)
5.50
.50
7.00
4.50
8.00
Ø 9.57
7.90
45°
45°
2.63
10.03
LIFTING LUG (1 EA. END)
4 HOLES .50-13 TAP ON Ø7.25 B.C.
5.25 5.19
LEAD HOLE Ø1.38
4.25
4.25
6.73
4.75
9.50
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: D VERSION: 04 REVISED: 11:40:25 10/11/2022 TDR: 000001197758
MODEL NO. 37LYK238 REF: -
BY: ENALEM0 B
BALDOR - RELIANCE®
STD HORZ NEMA 213-5JM OPSB 37L-LC, LIFTING LUGS
37LYK238

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