ABB BALDOR RELIANCE

Customer information packet

L1508T

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

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/5/2026 4:06:31 PM

Specifications

Enclosure	OPSB
Frame	213T
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	C UR US
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
KVA Code	G

Part Detail

Revision	W
Type	AC
Mech. spec.	37K214
Base	
Status	PRD/A
Elec. spec.	37WGT912
Layout	37LYK214
Eff. date	05-13-2024
CD Diagram	CD0017A01
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	03-08-2006

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	16.32 IN
Power Factor	78
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	1.375 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.	L1508T										
SPEC.	37K214T912										
HP	5										
VOLTS	230										
AMP	27										
RPM	1725										
FRAME	213T		**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	6307		**ODE**	6206							
ENCL	OPSB	**SN**									

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

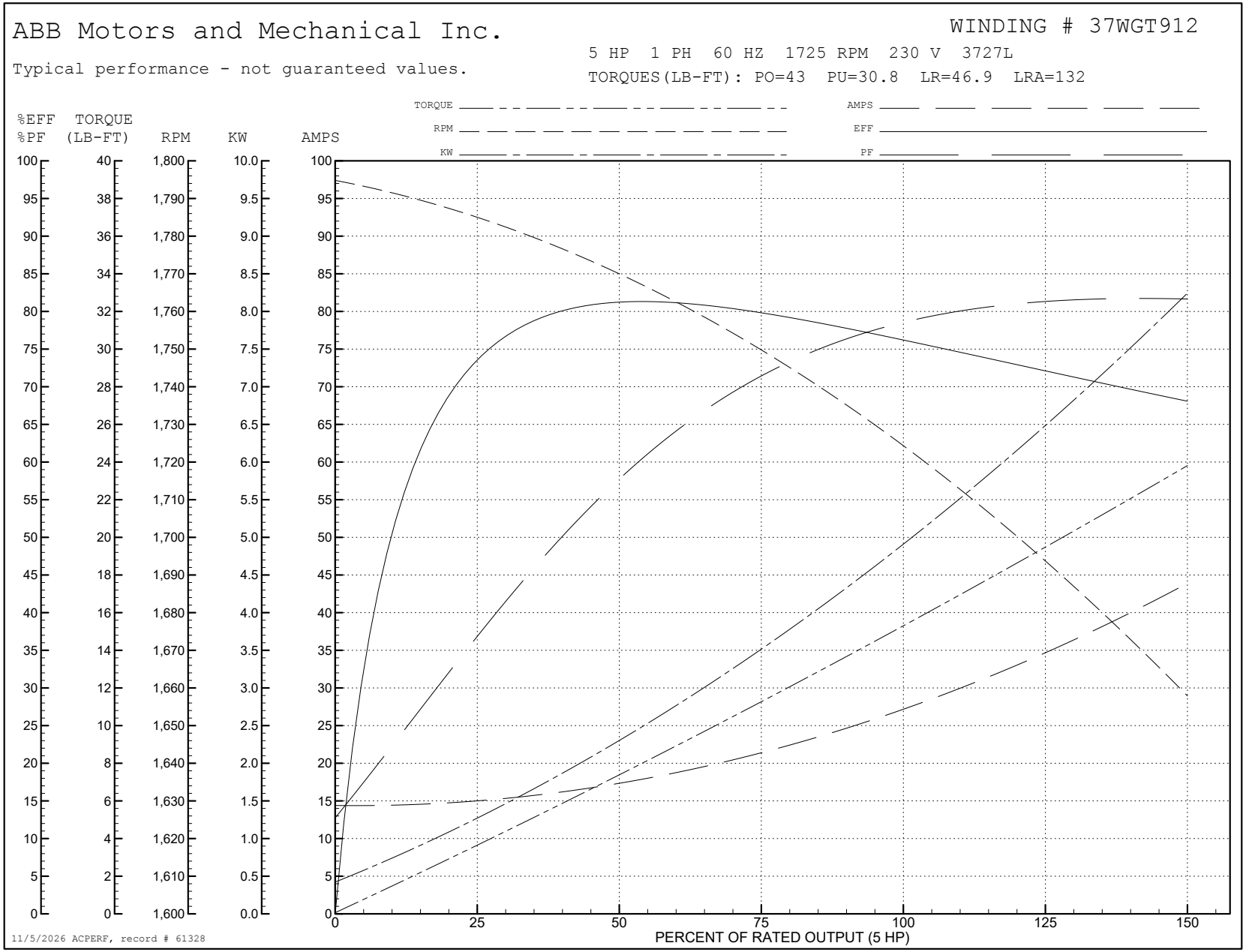
AC Induction Motor Performance Data
Record # 61328
Typical performance - not guaranteed values

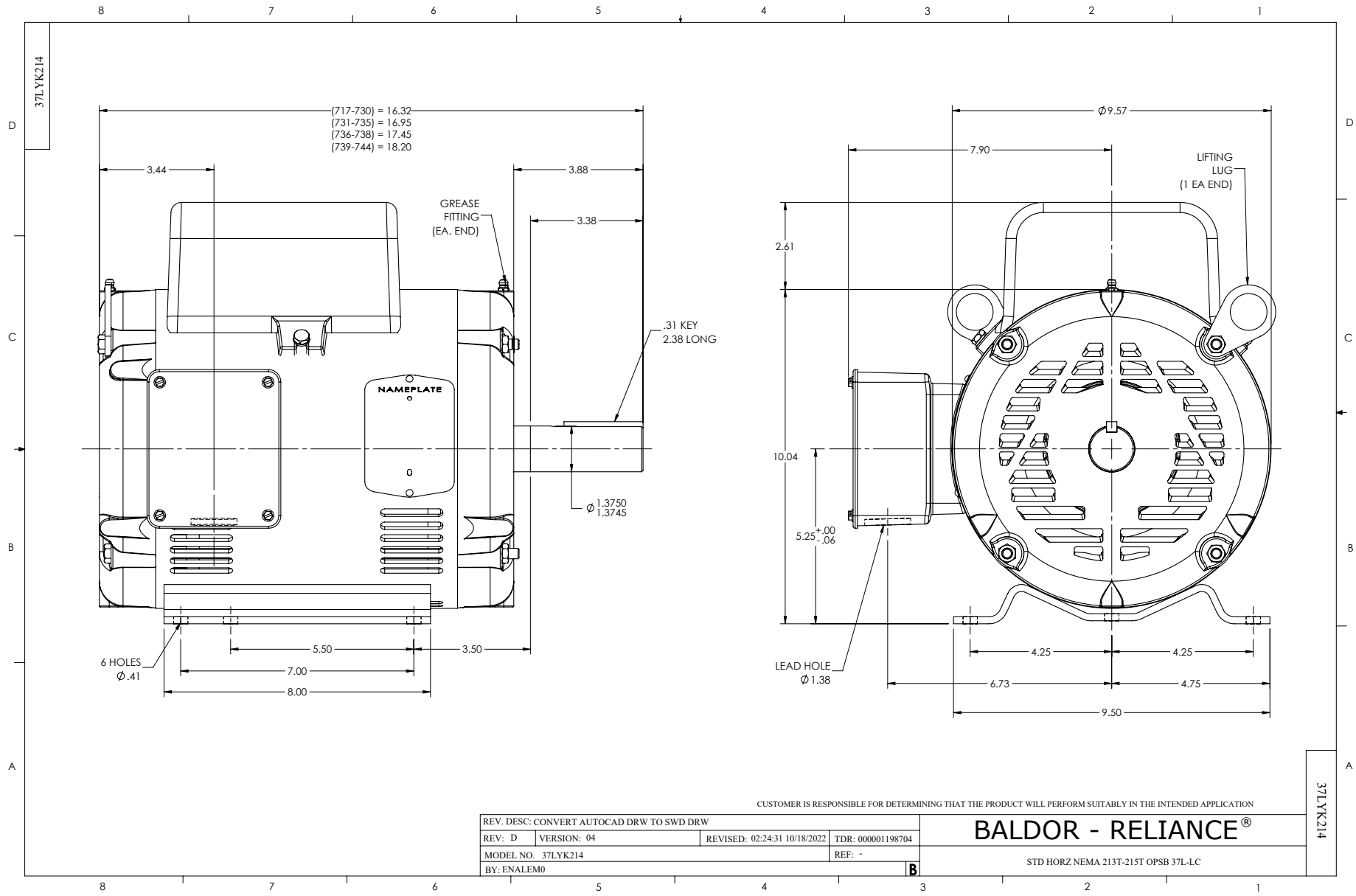
Winding: 37WGT912-R002	**Type:** 3727L	**Enclosure:** OPSB

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

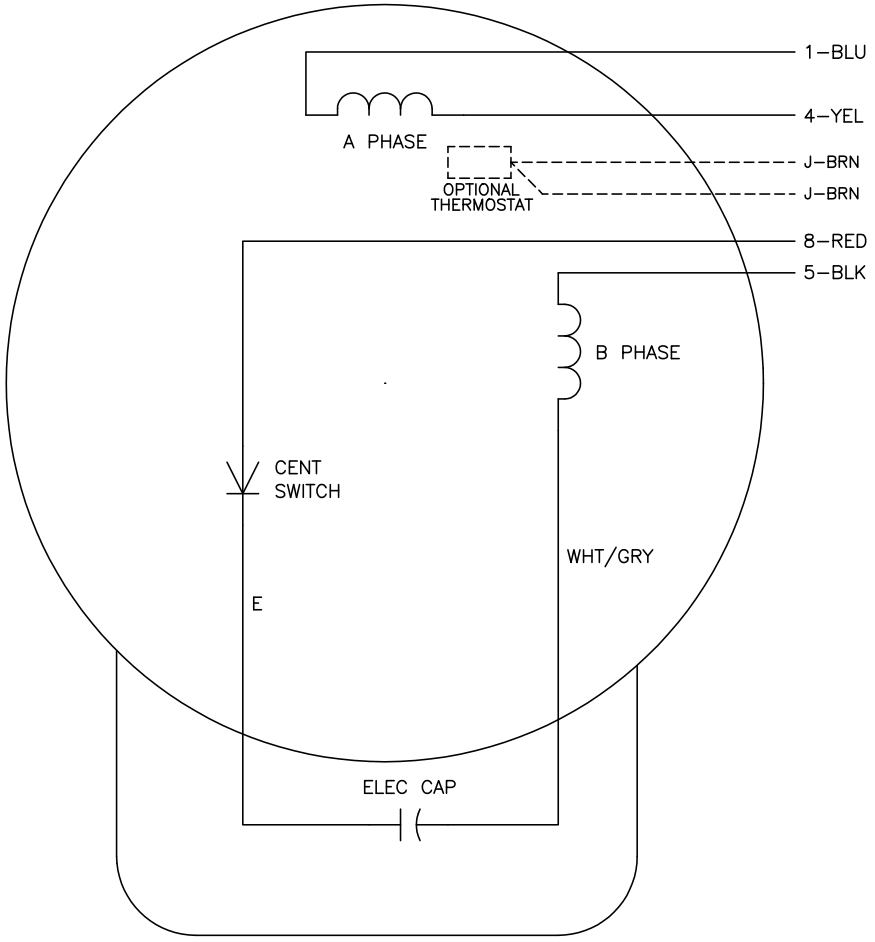
Load Characteristics 230 V, 60 Hz, 5 HP

% 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
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/5/2026 ACPERF, record # 61328


37LYK214
(717-730) = 16.32
(731-735) = 16.95
(736-738) = 17.45
(739-744) = 18.20
3.44
3.88
3.38
GREASE FITTING (EA. END)
.31 KEY
2.38 LONG
NAMEPLATE
Ø1.3750
1.3745
6 HOLES Ø.41
5.50
3.50
7.00
8.00
Ø9.57
7.90
LIFTING LUG (1 EA END)
2.61
10.04
5.25 +.00 -.06
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: CONVERT AUTOCAD DRW TO SWD DRW
REV: D
VERSION: 04
REVISED: 02:24:31 10/18/2022
TDR: 000001198704
MODEL NO. 37LYK214
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ NEMA 213T-215T OPSB 37L-LC
37LYK214

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