ABB BALDOR RELIANCE

Customer information packet

L3708T

5HP, 1750RPM, 1PH, 60HZ, 213T, 3726LC, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
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, Cap 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	20.500 A @ 230.0 V 22.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
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	20.5 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	M
Type	AC
Mech. spec.	37M326
Base	
Status	PRD/A
Elec. spec.	37WGT877
Layout	37LYM326
Eff. date	05-13-2024
CD Diagram	CD0086
Poles	04
Leads	2#12 A PH,2#14 B PH
Proprietary	False
Created date	02-11-2010

KVA Code	H
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	3726LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.02 IN
Power Factor	93
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	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.	L3708T								
SPEC.	37M326T877								
HP	5								
VOLTS	230								
AMP	20.5								
RPM	1750								
FRAME	213T	**HZ**	60			**PH**	1		
SER.F.	1.15	**CODE**	H	**DES**	L	**CLASS**	F		
NEMA-NOM-EFF	84	**PF**	93						
RATING	40C AMB-CONT								
CC									
DE	6307	**ODE**	6206						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data
Record # 37143
Typical performance - not guaranteed values

Winding: 37WGT877-R001	**Type:** 3726LC	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	15 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			20.5	**Breakdown Torque**	40.3 LB-FT
R.P.M.			1750	**Pull-up Torque**	32 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	46.2 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	137 A
Service Factor (S.F.)			1.15	**No-load Current**	6.82 A
NEMA Nom. Eff.	84	**Power Factor**	93	**Line-line Res. @ 25ºC**	0.386 Ω A Ph 1.1 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	68°C
S.F. Amps				**Temp. Rise @ S.F. Load**	79°C

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	73	86	91	93	93	94	93
Efficiency	67	81.1	84.3	84.8	84.1	80.7	84.4
Speed	1788	1776	1764	1749	1731	1711	1738
Line amperes	8.48	11.7	15.8	20.5	25.9	32.2	23.7

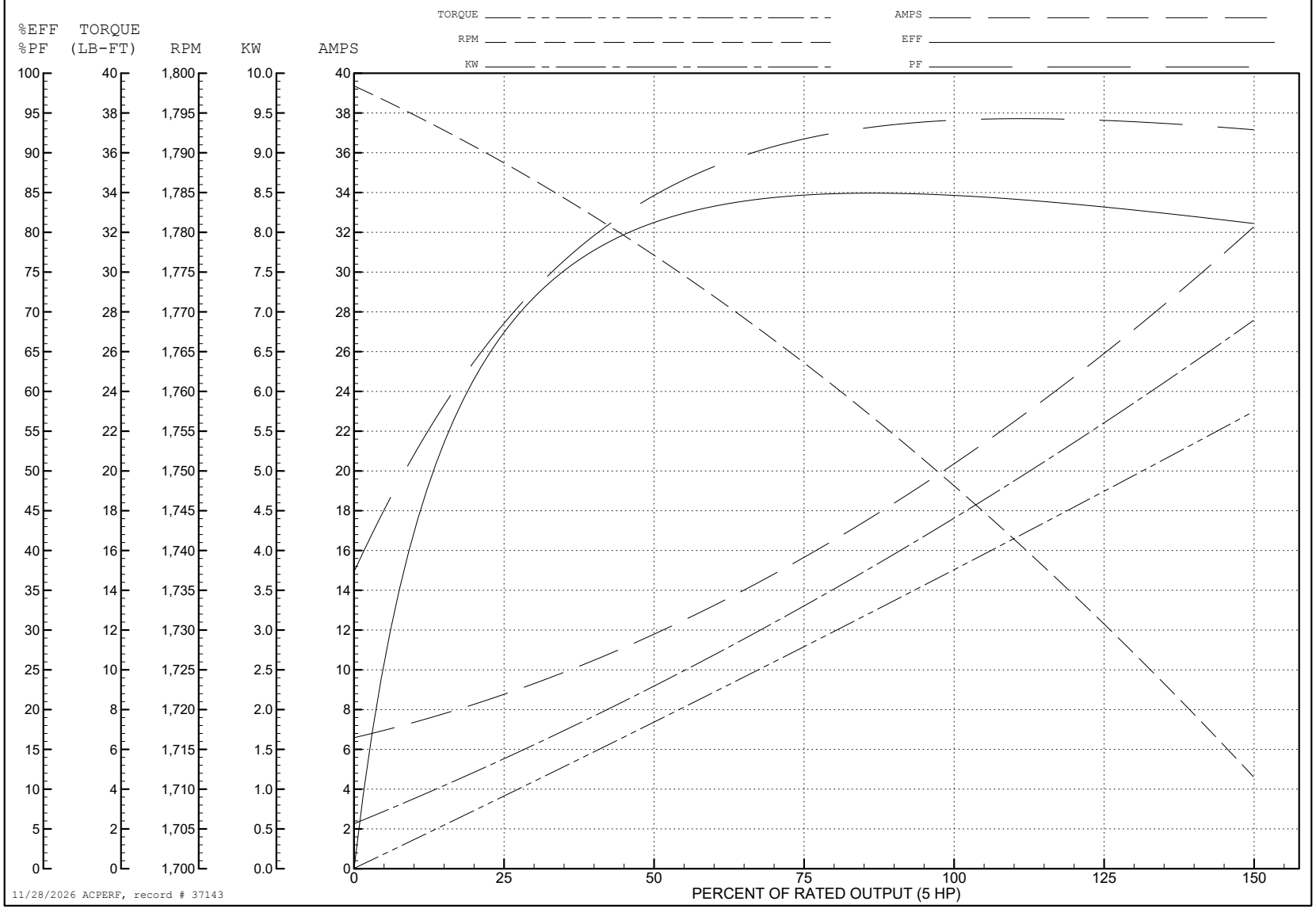
ABB Motors and Mechanical Inc.

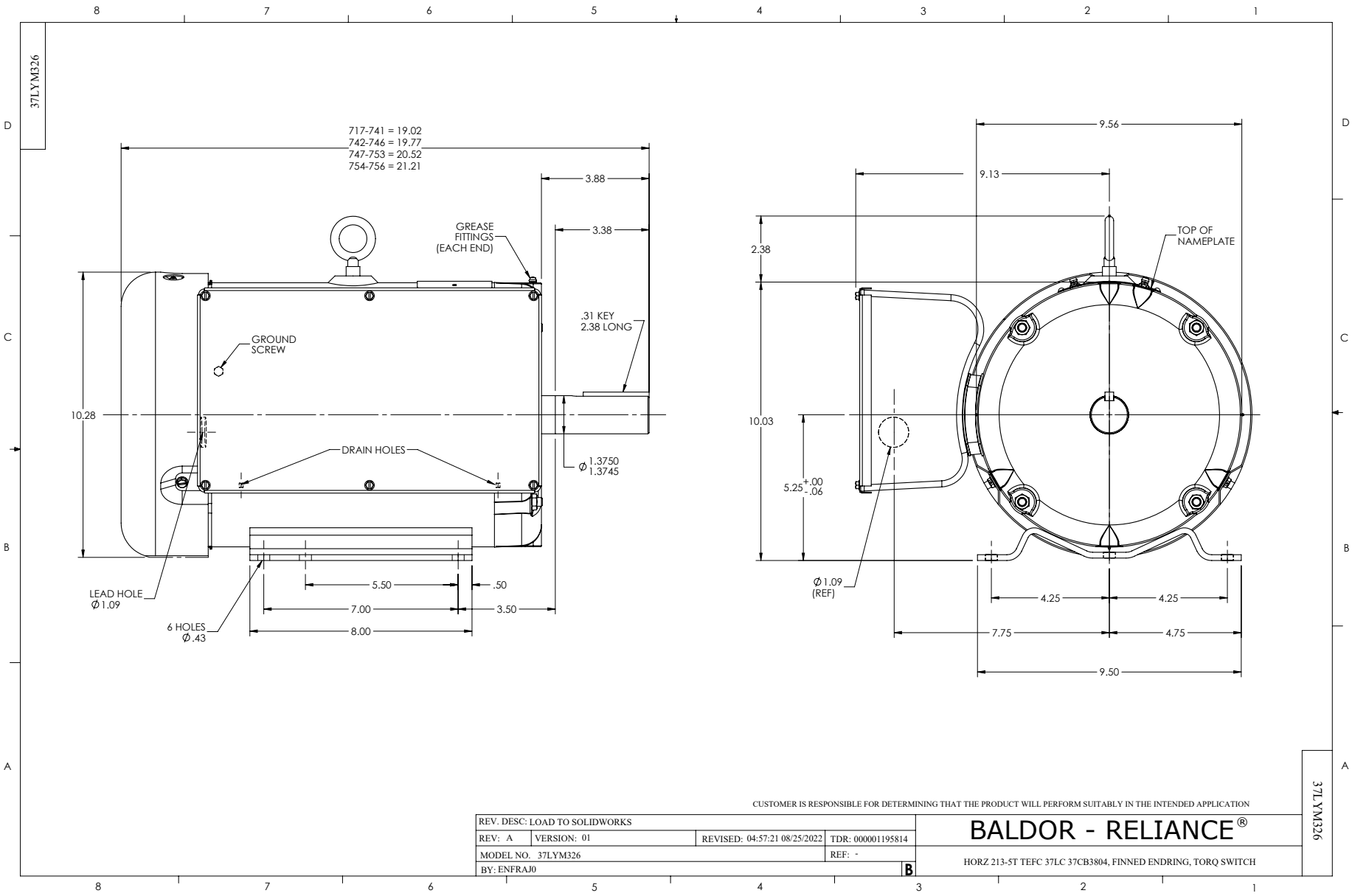
WINDING # 37WGT877

5 HP 1 PH 60 HZ 1750 RPM 230 V 3726LC

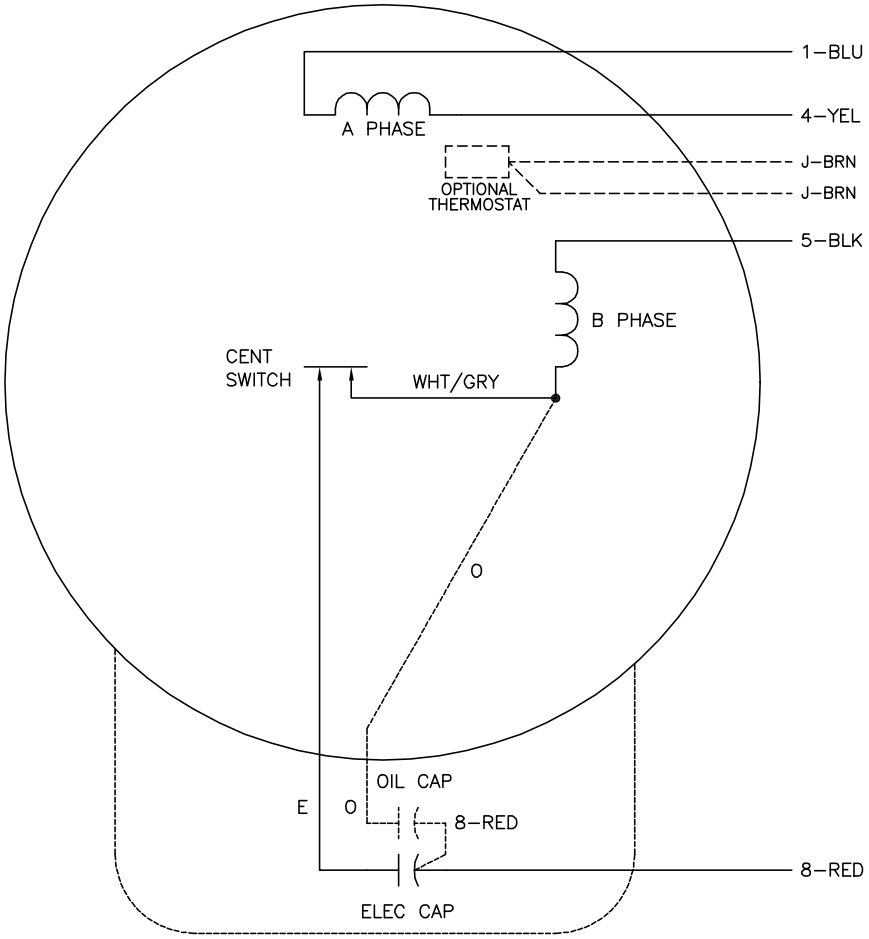
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=40.3 PU=32 LR=46.2 LRA=137




37LYM326
717-741 = 19.02
742-746 = 19.77
747-753 = 20.52
754-756 = 21.21
3.88
3.38
GREASE FITTINGS (EACH END)
.31 KEY
2.38 LONG
GROUND SCREW
10.28
DRAIN HOLES
Ø 1.3750
1.3745
LEAD HOLE Ø 1.09
6 HOLES Ø .43
5.50
.50
7.00
3.50
8.00
9.56
9.13
TOP OF NAMEPLATE
2.38
10.03
5.25 +.00 -.06
Ø 1.09 (REF)
4.25
4.25
7.75
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD TO SOLIDWORKS
REV: A
VERSION: 01
REVISED: 04:57:21 08/25/2022
TDR: 000001195814
MODEL NO. 37LYM326
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HORZ 213-5T TEFC 37LC 37CB3804, FINNED ENDRING, TORQ SWITCH
37LYM326

CD0086



	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. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
5. CAPACITORS MAY BE SEPERATELY MOUNTED.
6. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED CK TO PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: F	BY: JD	REVISED: 16:01:12 01/07/2002	TDR: 259409
9800CD		FILE: AAA00026904	REF: CD0086
		MTL: –	TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086