ABB BALDOR RELIANCE

Customer information packet

JML1510T

7.5HP, 1750RPM, 1PH, 60HZ, 3740LC, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
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, Cap Run
Output @ Frequency	7.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	33.000 A @ 230.0 V
	35.500 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	33.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	H
Type	AC
Mech. spec.	37K266
Base	
Status	PRD/A
Elec. spec.	37WGW003
Layout	37LYK266
Eff. date	05-13-2024
CD Diagram	CD0017A02
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	11-20-2020

KVA Code	E
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.31 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft 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.	JML1510T							
SPEC.	37K266W003G1							
HP	7.5							
VOLTS	230							
AMP	33							
RPM	1750							
FRAME	215JM	**HZ**	60			**PH**	1	
SER.F.	1.15	**CODE**	E	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	85.5	**PF**	87					
RATING	40C AMB-CONT							
CC								
DE	6309	**ODE**	6206					
ENCL	OPEN	**SN**						

AC Induction Motor Performance Data
Record # 85588
Typical performance - not guaranteed values

Winding: 37WGW003-R001	**Type:** 3740LC	**Enclosure:** OPSB

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			7.5	**Full Load Torque**	22.52 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			33	**Breakdown Torque**	49.18 LB-FT
R.P.M.			1750	**Pull-up Torque**	39.04 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	49.82 LB-FT
NEMA Design Code	L	**KVA Code**	E	**Starting Current**	181 A
Service Factor (S.F.)			1.15	**No-load Current**	11.57 A
NEMA Nom. Eff.	85.5	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.318 Ω A Ph 1.82 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	73°C
S.F. Amps				**Temp. Rise @ S.F. Load**	91°C
				Locked-rotor Power Factor	76.5
				Rotor inertia	0.984 lb-ft²

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	58	77	85	89	90	90	90
Efficiency	77.7	85	86	84.4	81.3	77.2	82.5
Speed	1788	1777	1765	1751	1732	1711	1740
Line amperes	13.69	18.43	24.76	32.37	41.61	52.25	37.9

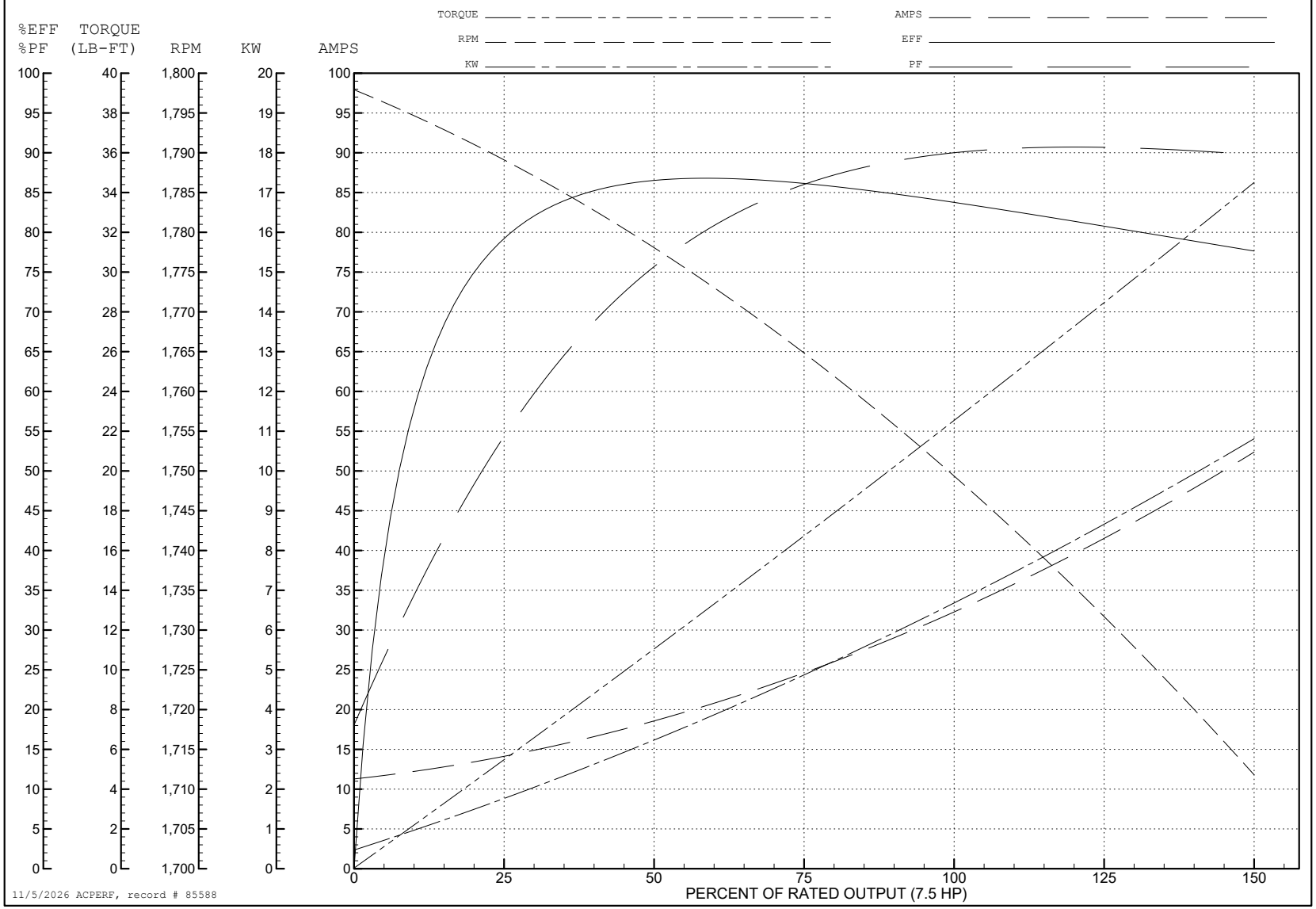
ABB Motors and Mechanical Inc.

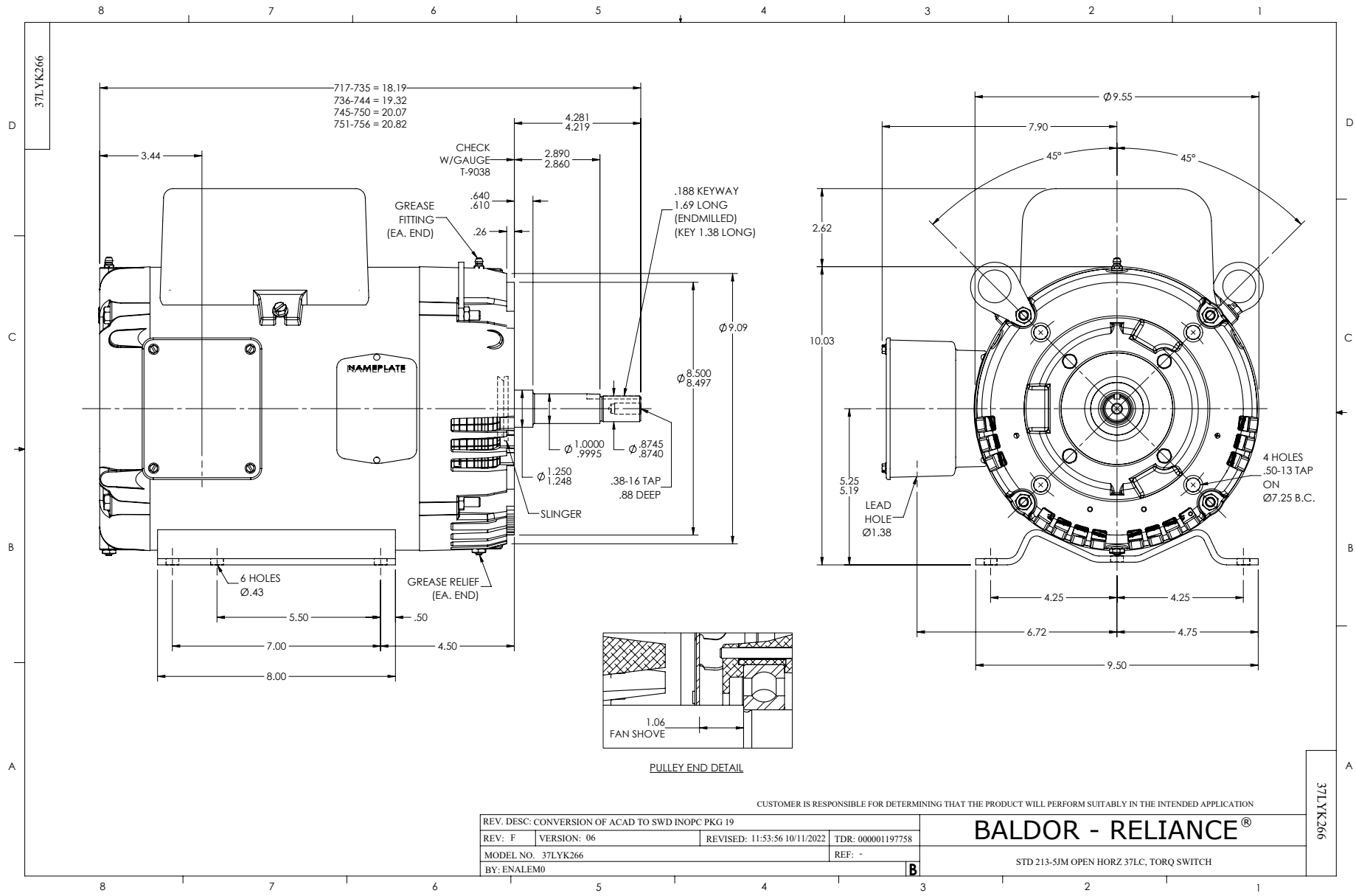
WINDING # 37WGW003

7.5 HP 1 PH 60 HZ 1750 RPM 230 V 3740LC

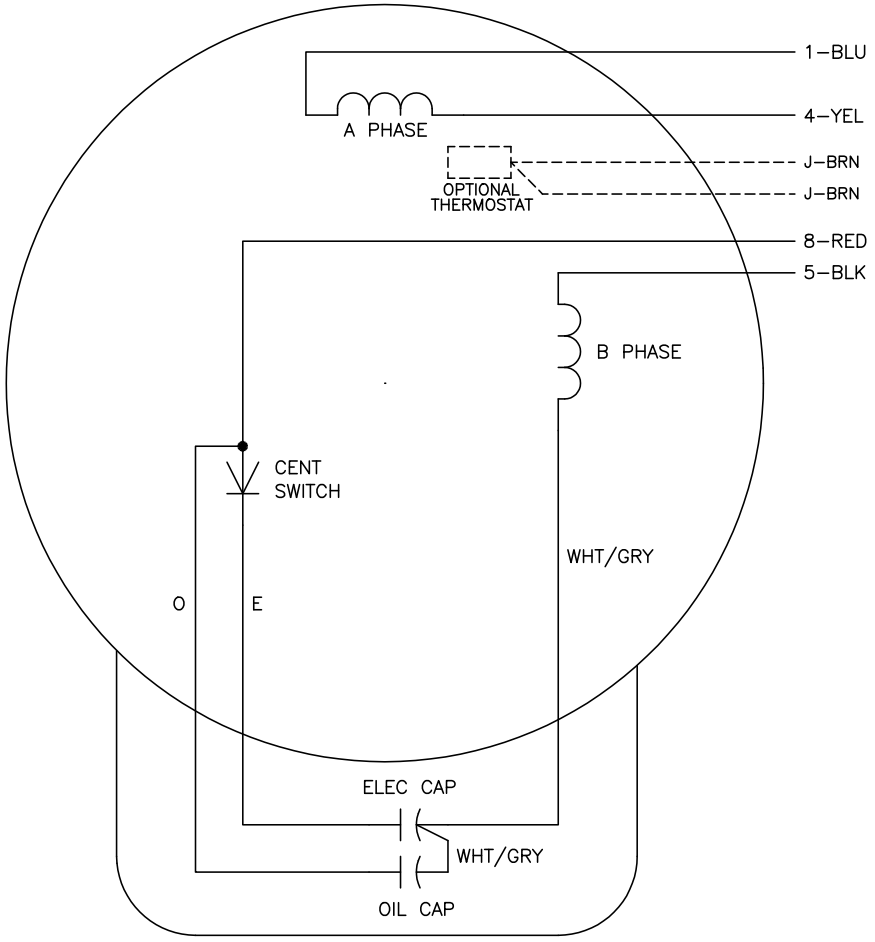
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=49.18 PU=39.04 LR=49.82 LRA=181




37LYK266
717-735 = 18.19
736-744 = 19.32
745-750 = 20.07
751-756 = 20.82
4.281
4.219
3.44
CHECK
W/GAUGE
T-9038
2.890
2.860
.640
.610
.26
GREASE
FITTING
(EA. END)
.188 KEYWAY
1.69 LONG
(ENDMILLED)
(KEY 1.38 LONG)
Ø9.09
Ø8.500
8.497
NAMEPLATE
Ø 1.0000
.9995
Ø .8745
.8740
Ø 1.250
1.248
.38-16 TAP
.88 DEEP
SLINGER
6 HOLES
Ø.43
GREASE RELIEF
(EA. END)
5.50
.50
7.00
4.50
8.00
Ø9.55
7.90
45°
45°
2.62
10.03
5.25
5.19
LEAD
HOLE
Ø1.38
4 HOLES
.50-13 TAP
ON
Ø7.25 B.C.
4.25
4.25
6.72
4.75
9.50
1.06
FAN SHOVE
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: F
VERSION: 06
REVISED: 11:53:56 10/11/2022
TDR: 000001197758
MODEL NO. 37LYK266
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD 213-5JM OPEN HORZ 37LC, TORQ SWITCH
37LYK266

CD0017A02



	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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: –
		MTL: –	TYPE LC, SV, REV, 4 LEADS

CD0017A02