ABB BALDOR RELIANCE

Customer information packet

JPL1510T

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

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Specifications

Enclosure	OPEN
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, 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	G
Type	AC
Mech. spec.	37M341
Base	
Status	PRD/A
Elec. spec.	37WGW003
Layout	37LYM341
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	Standard 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	23.19 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	1.250 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.	JPL1510T								
SPEC.	37M341W003G1								
HP	7.5								
VOLTS	230								
AMP	33								
RPM	1750								
FRAME	215JP		**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**							

Parts List

Part number	Description	Quantity
SA388026	SA 37M341W003G1	1.000 ea
RA378370	RA 37M341W003G1	1.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3203D00	MASTER,ODE,206 BRG,GREASER,RELIEF	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3401A46	PUEP OPEN 309 BRG W/BAFFLE, GRS, REL, MF	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
37AD2000A02	BAFFLE PLATE, STAMPED PLATED	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	4.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 ea

85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HW2501E21	KEY, 1/4 SQ X 2.375	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 ea
37CB5005A01	CAPACITOR BOX KIT, 37CB3802, OC3030F11,	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 ea
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

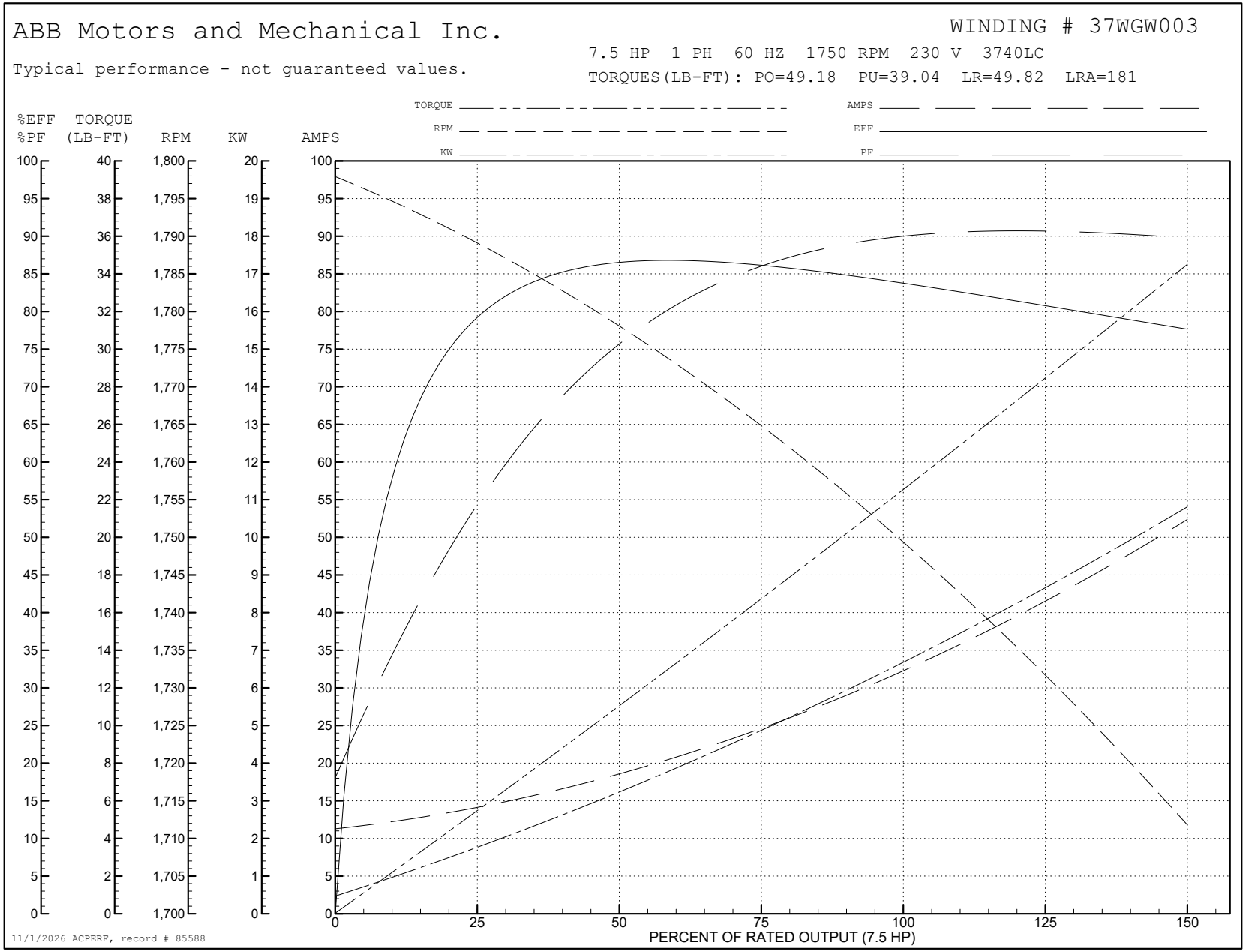
AC Induction Motor Performance Data
Record # 85588
Typical performance - not guaranteed values

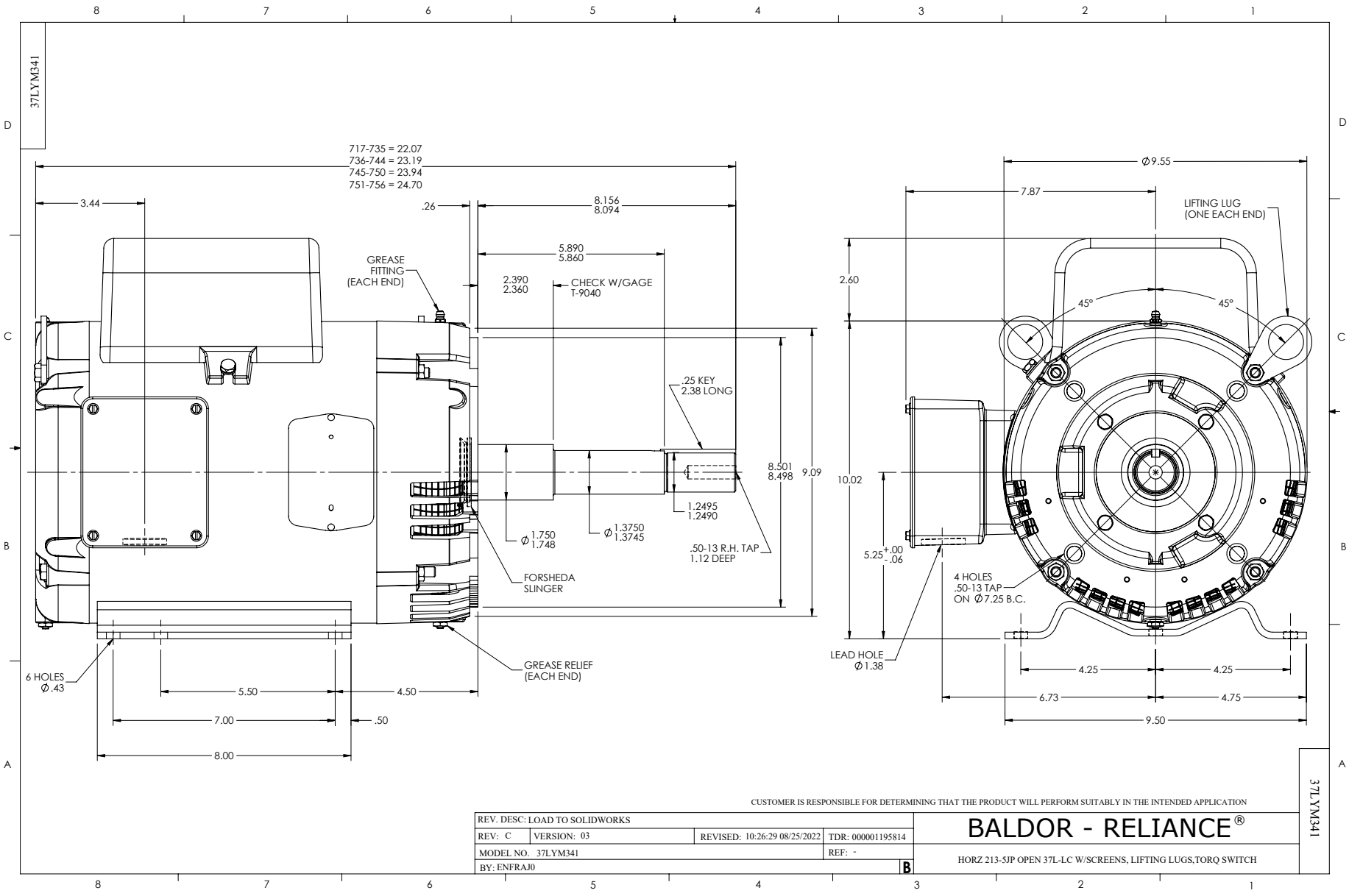
Winding: 37WGW003-R001	**Type:** 3740LC	**Enclosure:** OPSB

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

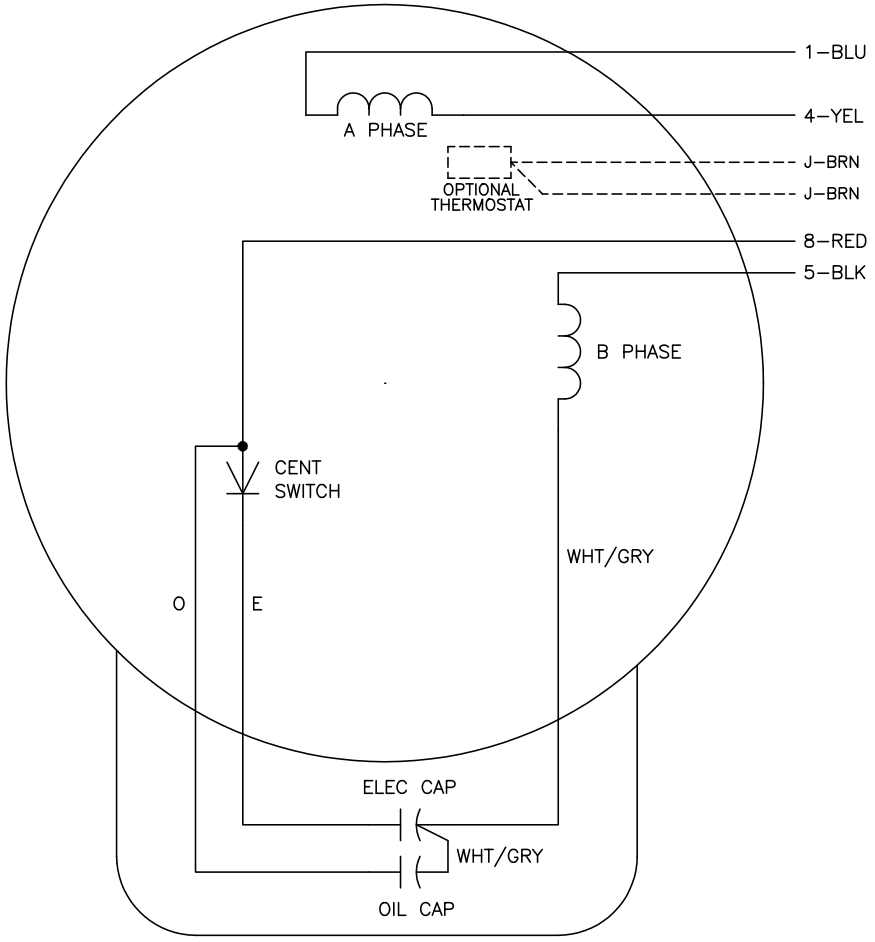
Load Characteristics 230 V, 60 Hz, 7.5 HP

% 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
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
11/1/2026 ACPERF, record # 85588


37LYM341
717-735 = 22.07
736-744 = 23.19
745-750 = 23.94
751-756 = 24.70
3.44
.26
8.156
8.094
5.890
5.860
2.390
2.360
CHECK W/GAGE
T-9040
GREASE
FITTING
(EACH END)
.25 KEY
2.38 LONG
8.501
8.498
9.09
1.2495
1.2490
Ø 1.750
1.748
Ø 1.3750
1.3745
.50-13 R.H. TAP
1.12 DEEP
FORSHEDA
SLINGER
GREASE RELIEF
(EACH END)
6 HOLES
Ø .43
5.50
4.50
7.00
.50
8.00
Ø9.55
7.87
LIFTING LUG
(ONE EACH END)
2.60
45°
45°
10.02
5.25 +.00 -.06
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
LEAD HOLE
Ø 1.38
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: LOAD TO SOLIDWORKS
REV: C
VERSION: 03
REVISED: 10:26:29 08/25/2022
TDR: 000001195814
MODEL NO. 37LYM341
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HORZ 213-5JP OPEN 37L-LC W/SCREENS, LIFTING LUGS,TORQ SWITCH
37LYM341

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