ABB BALDOR RELIANCE

Customer information packet

L1510T

7.5HP, 1750RPM, 1PH, 60HZ, 215T, 3738LC, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	215T
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	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	31.000 A @ 230.0 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	31.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	G
Type	AC
Mech. spec.	37M295
Base	
Status	PRD/A
Elec. spec.	37WGL965
Layout	37LYM295
Eff. date	02-16-2026
CD Diagram	CD0017A02
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	06-26-2023

Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3738LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 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 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.	L1510T								
SPEC.	37M295L965G1								
HP	7.5								
VOLTS	230								
AMP	31								
RPM	1750								
FRAME	215T		**HZ**	60			**PH**	1	
SER.F.	1.15	**CODE**	G	**DES**	L	**CLASS**		F	
NEMA-NOM-EFF	85.5	**PF**	93						
RATING	40C AMB-CONT								
CC									
DE	6307		**ODE**	6206					
ENCL	OPEN	**SN**							

Parts List

Part number	Description	Quantity
SA415602	SA 37M295L965G1	1.000 ea
RA407420	RA 37M295L965G1	1.000 ea
OC3060F10SP	CYL OIL CAP 60MFD/370V	1.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	1.000 ea
EC1340C06	ELEC CAP, 340-408MFD, 250V, 2.06D X 4.	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
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3204D00	MASTER,DE,307 BRG,GREASER	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 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
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
37CB5005A06	CAPACITOR BOX KIT, 37CB3802, OC3060F10	1.000 ea
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	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-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 101357
Typical performance - not guaranteed values

Winding: 37WGL965-R001	**Type:** 3740LC	**Enclosure:** OPEN

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			7.5	**Full Load Torque**	22.56 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			31	**Breakdown Torque**	55.9 LB-FT
R.P.M.			1750	**Pull-up Torque**	37.2 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	57 LB-FT
NEMA Design Code	L	**KVA Code**	G	**Starting Current**	187 A
Service Factor (S.F.)			1.15	**No-load Current**	8.48 A
NEMA Nom. Eff.	85.5	**Power Factor**	93	**Line-line Res. @ 25ºC**	0.24696 Ω A Ph 0.95376 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	66°C
S.F. Amps				**Temp. Rise @ S.F. Load**	86°C
				Locked-rotor Power Factor	87.2

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	73	86	91	93	93	92	93
Efficiency	75.5	84.5	86.4	85.6	83	79.2	84
Speed	1787.7	1776	1762.5	1746.4	1727.2	1704.5	1735
Line amperes	11.1	16.7	23.1	30.7	39.4	49.7	35.9

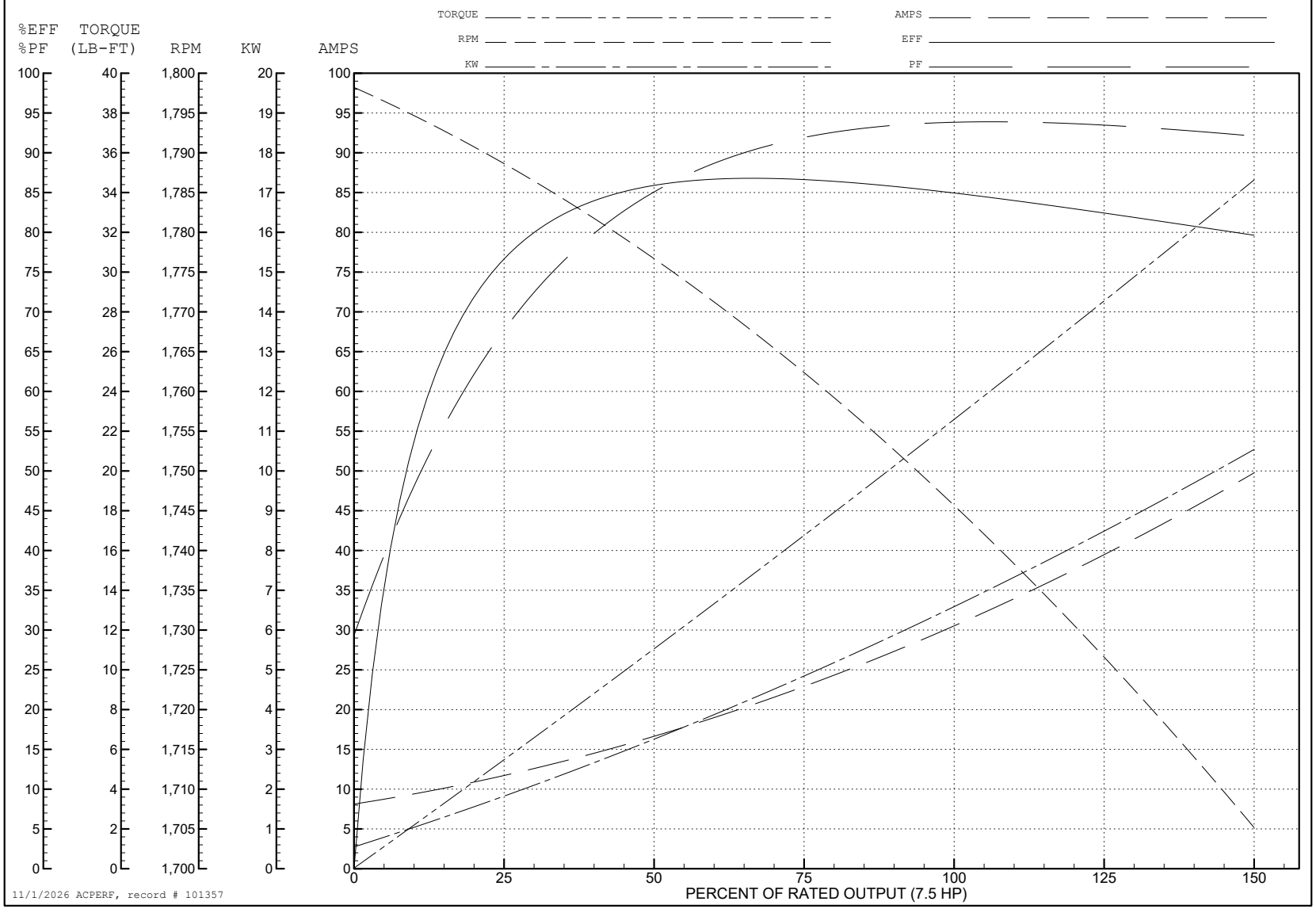
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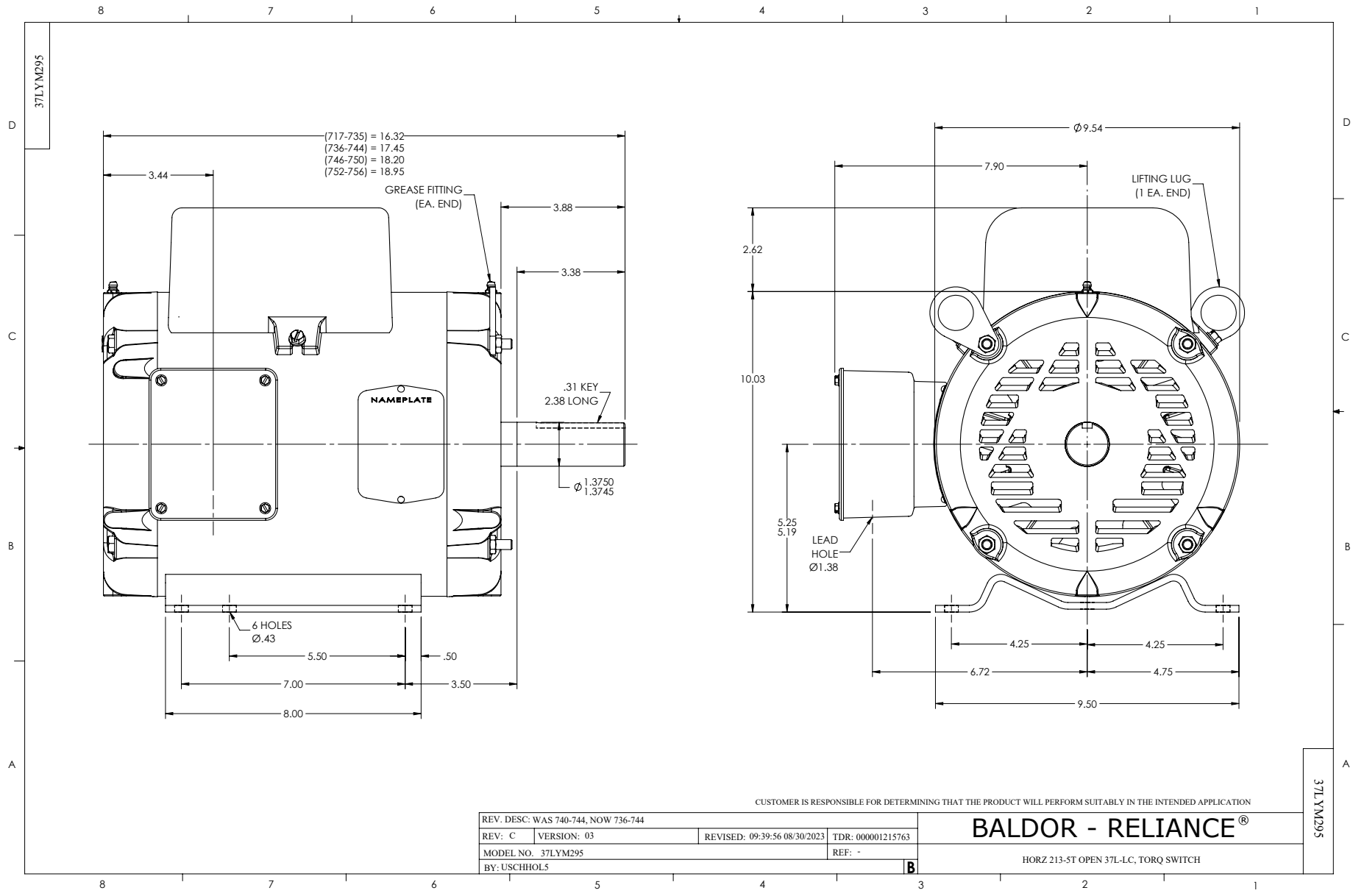
WINDING # 37WGL965

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

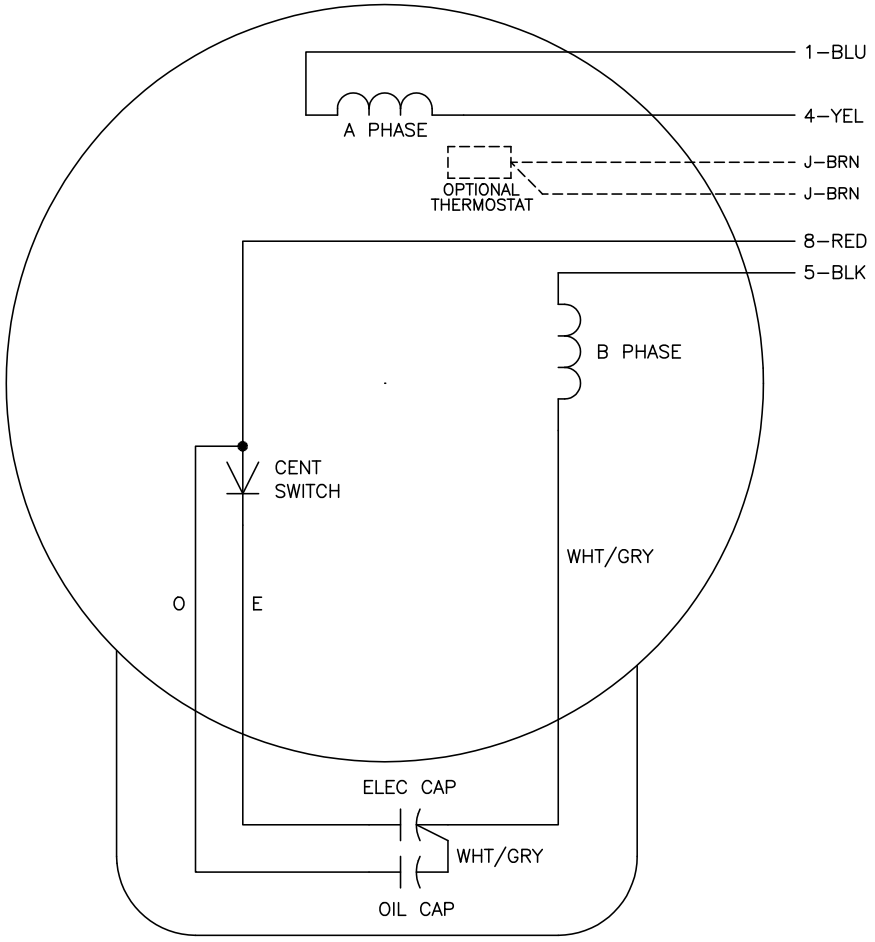
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=55.9 PU=37.2 LR=57 LRA=187




37LYM295
(717-735) = 16.32
(736-744) = 17.45
(746-750) = 18.20
(752-756) = 18.95
3.44
GREASE FITTING
(EA. END)
3.88
3.38
.31 KEY
2.38 LONG
NAMEPLATE
Ø1.3750
1.3745
6 HOLES
Ø.43
5.50
.50
7.00
3.50
8.00
Ø9.54
7.90
LIFTING LUG
(1 EA. END)
2.62
10.03
5.25
5.19
LEAD
HOLE
Ø1.38
4.25
4.25
6.72
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: WAS 740-744, NOW 736-744
REV: C
VERSION: 03
REVISED: 09:39:56 08/30/2023
TDR: 000001215763
MODEL NO. 37LYM295
REF: -
BY: USCHHOL5
B
BALDOR - RELIANCE®
HORZ 213-5T OPEN 37L-LC, TORQ SWITCH
37LYM295

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