ABB BALDOR RELIANCE

Customer information packet

L1512T

10HP, 1725RPM, 1PH, 60HZ, 215T, 3737LC, OPSB, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
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	10.000 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	39.000 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 Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	39.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	E

Part Detail

Revision	R
Type	AC
Mech. spec.	37L969
Base	
Status	PRD/A
Elec. spec.	37WGT923
Layout	37LYL969
Eff. date	12-16-2024
CD Diagram	CD2094
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	11-16-2007

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3737LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
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.	L1512T							
SPEC.	37L969T923G1							
HP	10							
VOLTS	230							
AMP	39							
RPM	1725							
FRAME	215T	**HZ**	60			**PH**	1	
SER.F.	1.00	**CODE**	E	**DES**	L	**CLASS**	F	
NEMA-NOM-EFF	85.5	**PF**	97					
RATING	40C AMB-CONT							
CC								
DE	6307	**ODE**	6206					
ENCL	OPSB	**SN**						

Parts List

Part number	Description	Quantity
SA165065	SA 37L969T923G1	1.000 ea
RA153477	RA 37L969T923G1	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	2.000 ea
RE5029	MARS 91423 DOUBLE POLE 230-240V CONTACTO	1.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	2.000 ea
EC1189C06SP	ELEC CAP, 189-227 MFD, 250V, 2.06D X 4.	2.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
37CB3804A42	CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC. W/RE	1.000 ea
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	4.000 ea
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	2.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 ea
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 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
37AD2005	BAFFLE PLATE, FOR OPSB 1 PHASE	1.000 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
37CB4509	CAPAC BOX LID, STAMPED	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 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
SP5172A06	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	12.000 ea

37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	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
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	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
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

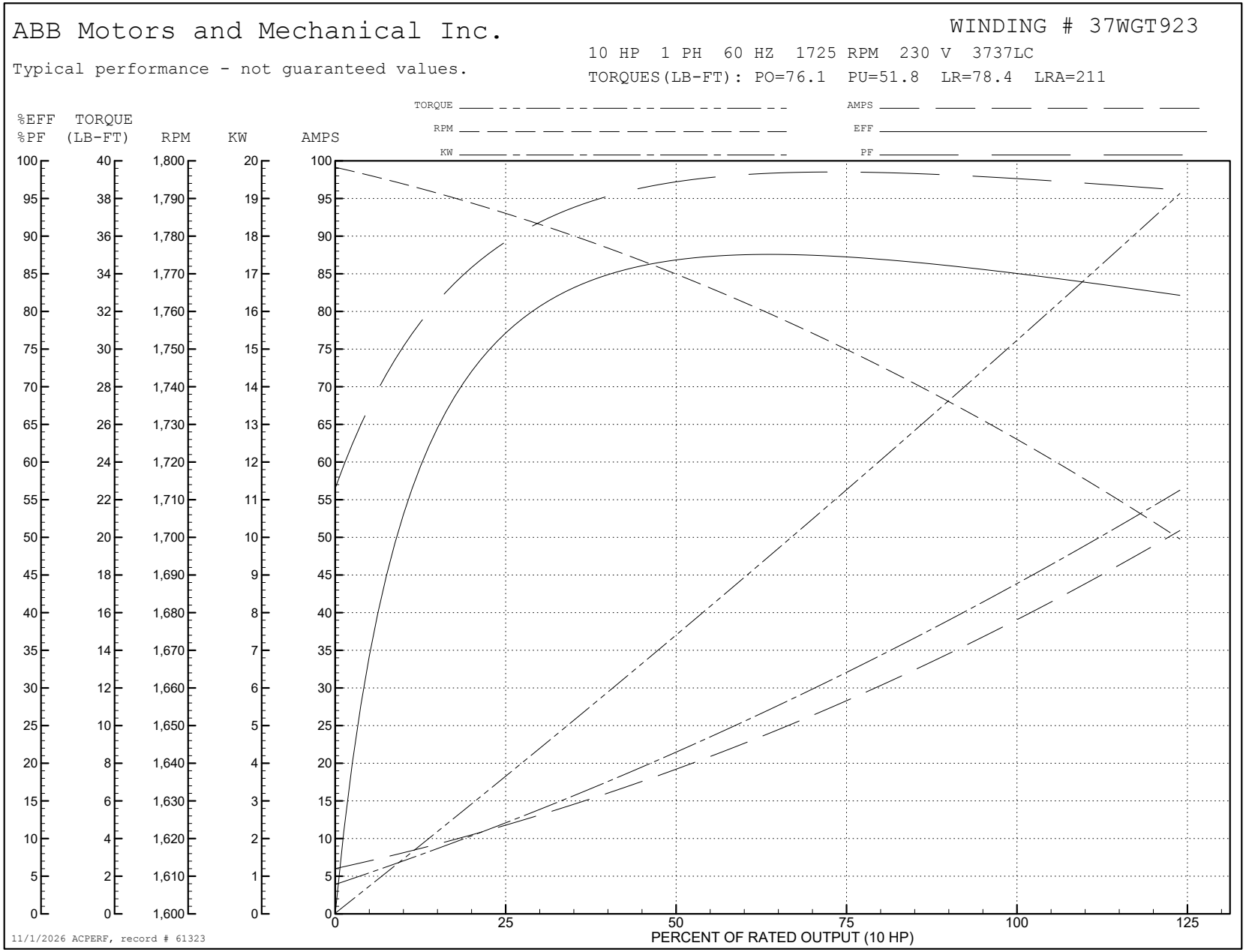
AC Induction Motor Performance Data
Record # 61323
Typical performance - not guaranteed values

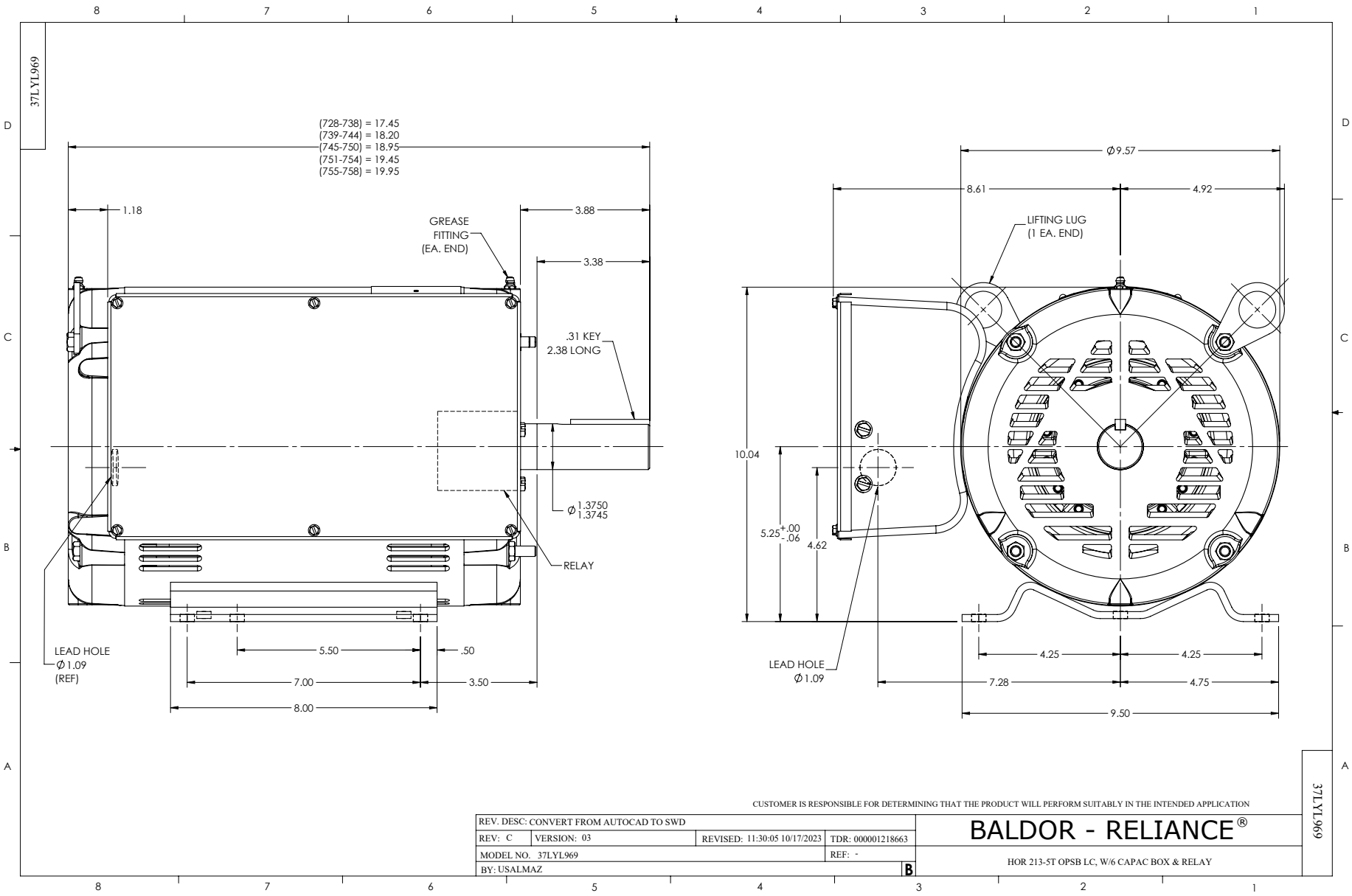
Winding: 37WGT923-R003	**Type:** 3737LC	**Enclosure:** OPSB

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	30.3 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			39	**Breakdown Torque**	76.1 LB-FT
R.P.M.			1725	**Pull-up Torque**	51.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	78.4 LB-FT
NEMA Design Code	L	**KVA Code**	E	**Starting Current**	211 A
Service Factor (S.F.)			1	**No-load Current**	6.2 A
NEMA Nom. Eff.	85.5	**Power Factor**	97	**Line-line Res. @ 25ºC**	0.242 Ω A Ph 0.538 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	73°C

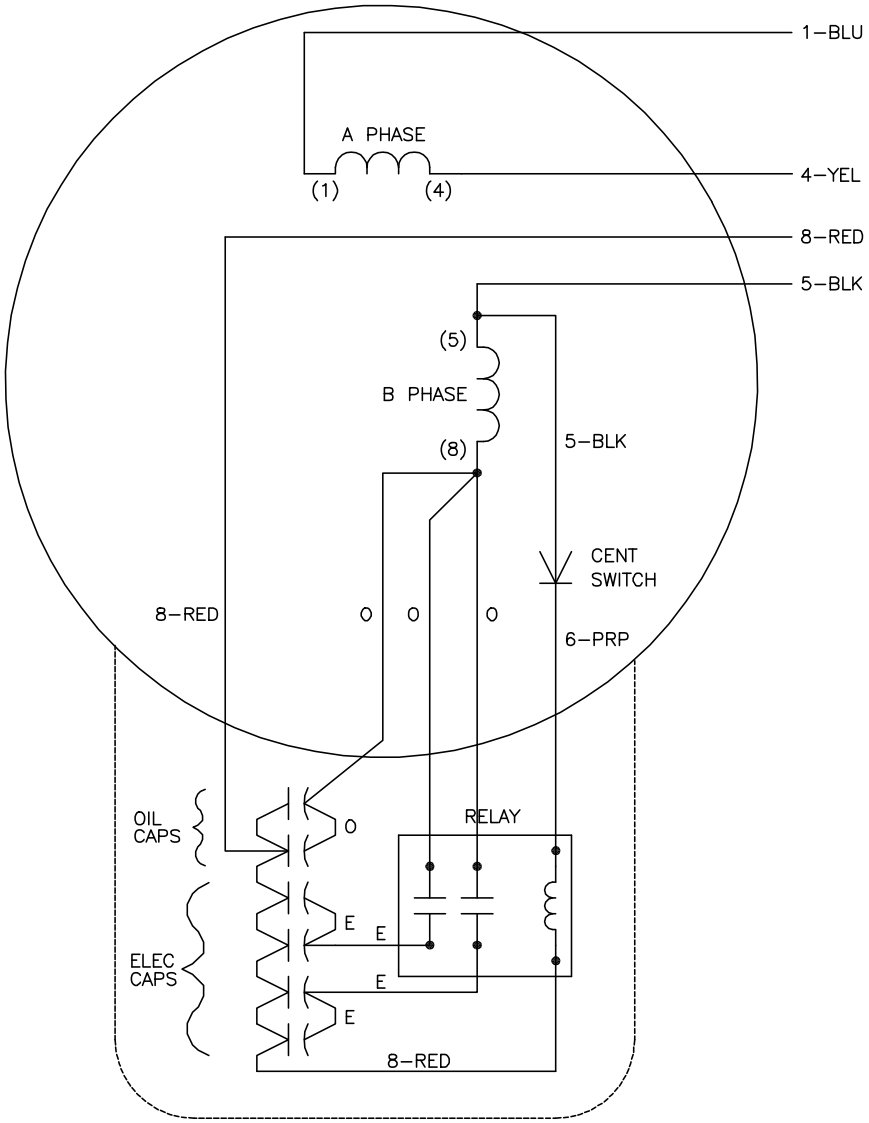
Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**
Power Factor	94	97	98	97	96
Efficiency	76.1	86	87.5	85.7	81.8
Speed	1785	1770	1751	1727	1699
Line amperes	11.3	19.2	28.3	38.8	50.9


ABB Motors and Mechanical Inc.
WINDING # 37WGT923
10 HP 1 PH 60 HZ 1725 RPM 230 V 3737LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=76.1 PU=51.8 LR=78.4 LRA=211
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/1/2026 ACPERF, record # 61323


37LYL969
(728-738) = 17.45
(739-744) = 18.20
(745-750) = 18.95
(751-754) = 19.45
(755-758) = 19.95
1.18
3.88
3.38
GREASE FITTING (EA. END)
.31 KEY
2.38 LONG
Ø1.3750
1.3745
RELAY
LEAD HOLE Ø1.09 (REF)
5.50
.50
7.00
3.50
8.00
Ø9.57
8.61
4.92
LIFTING LUG (1 EA. END)
10.04
5.25 +.00 -.06
4.62
LEAD HOLE Ø1.09
4.25
4.25
7.28
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: C
VERSION: 03
REVISED: 11:30:05 10/17/2023
TDR: 000001218663
MODEL NO. 37LYL969
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HOR 213-5T OPSB LC, W/6 CAPAC BOX & RELAY
37LYL969

CD2094



	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. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. DRESS LEADS AWAY FROM RELAY TO AVOID INTERFERENCE.
4. CAPS AND RELAY MAY BE SEPARATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: NEW		
REV. LTR: –	VERSION: 00	TDR: 000000570759
FILE: \AAA\00177\864		REVISED: 11:52:42 12/14/2010
MTL: –		BY: ENMICWO

BALDOR

TYPE LC, SV, REV, 4LD, RELAY W/CENT SWITCH

SH 1 of 1

CD2094