ABB BALDOR RELIANCE

Customer information packet

UCL7510

7.5-10.5 AIR OVERHP, 3450RPM, 1PH, 60HZ, 215
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPAO
Frame	215Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	7.500 HP @ 60 HZ
	10.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
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	37.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.0 %
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	37.0 a
Insulation Class	F

Part Detail

Revision	P
Type	AC
Mech. spec.	37E767
Base	
Status	PRD/A
Elec. spec.	37WGZ089
Layout	37LYE767
Eff. date	01-09-2026
CD Diagram	CD0017A01
Poles	02
Leads	2#8 A PH,2#14 B PH 32" from adpter Y
Proprietary	False
Created date	03-05-2010

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 8 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3729L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.44 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	UCL7510								
SPEC.	37E767Z089G1								
HP	7.5-10.5 AIR OVER								
VOLTS	230								
AMP	37-46								
RPM	3450								
FRAME	215Z	**HZ**	60		**PH**	1			
SER.F.	1.00	**CODE**	F	**DES**	L	**CL**	F		
NEMA-NOM-EFF	81	**PF**	82						
RATING	40C AMB-CONT								
CC									
DE	6307	**ODE**	6206						
ENCL	OPAO	**SN**							

NP1263L								
CAT.NO.	UCL7510							
SPEC.	37E767Z089G1							
HP	7.5-10.5 AIR OVER							
VOLTS	230							
AMP	37-46							
RPM	3450							
FRAME	215Z		**HZ**	60		**PH**	1	
SER.F.	1.00	**CODE**	F	**DES**	L	**CL**	F	
NEMA-NOM-EFF	81	**PF**	82					
RATING	40C AMB-CONT							
CC								
DE	6307	**ODE**	6206					
ENCL	OPAO	**SN**						

Parts List

Part number	Description	Quantity
SA191802	SA 37E767Z089G1	1.000 ea
RA179460	RA 37E767Z089G1	1.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	2.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
HA6011A01	ADAPTOR, MACH	1.000 ea
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
37EP3203C00	MASTER,ODE,206 BRG,2 GREASERS	1.000 ea
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 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
35CB4802A02SP	CAPACITOR COVER, STAMPED X	2.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	4.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3204C00	MASTER,DE,307 BRG,2 GREASERS,LOCKED BEAR	1.000 ea
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 ea
HA1104A05	RODENT SCREEN 37 FRAME 207 BRG PULLEY EN	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
HW1025A10	#10 BALANCE WASHER (SPL)	2.000 ea
10XN2520A28	1/4-20X 1 3/4 HEX HD	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
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
LB1001	LABEL, GREASE-EXXON POLYREX EM	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HW2501E26	KEY, 1/4 SQ X 3.000	1.000 ea

MG1025C02	WILKOFAST SG, 787.105, TAN	0.028 ga
LD5000B36	LEAD ASSY, ML1400DF08 W/#10 RING 37"	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
SP5172A02	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 ea
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0086	CONNECTION LABEL	1.000 ea
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 ea
NP1263L	AUX, GP, ALUM, CC, LASER ETCHED	1.000 ea
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000004	ZRTG PE ASSEMBLY	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data
Record # 12684
Typical performance - not guaranteed values

Winding: 37WGZ089-R001	**Type:** 3729L	**Enclosure:** OPAO

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			7.5-10.5 AIR OVER	**Full Load Torque**	15.8 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			37-46	**Breakdown Torque**	36 LB-FT
R.P.M.			3450	**Pull-up Torque**	16 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	17 LB-FT
NEMA Design Code	L	**KVA Code**	F	**Starting Current**	205 A
Service Factor (S.F.)			1	**No-load Current**	25.7 A
NEMA Nom. Eff.	81	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.194 Ω A Ph 0.743 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

Load Characteristics 230 V, 60 Hz, 10.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	46	65	76	82	85	86
Efficiency	64.8	76	79.3	79.8	78.7	76.3
Speed	3570	3544	3515	3583	3444	3397
Line amperes	28.5	34.3	42.2	52	63.6	77.5

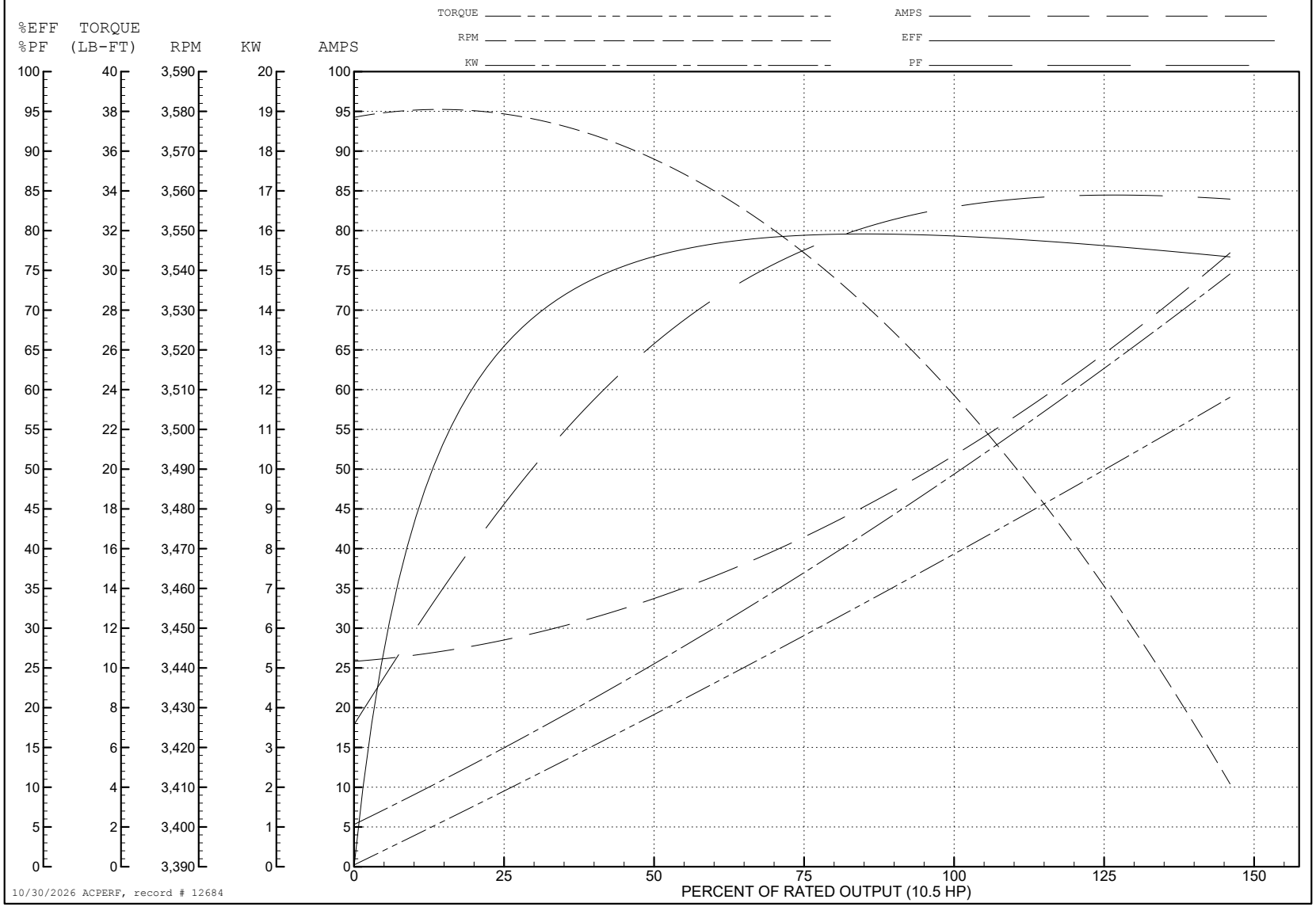
ABB Motors and Mechanical Inc.

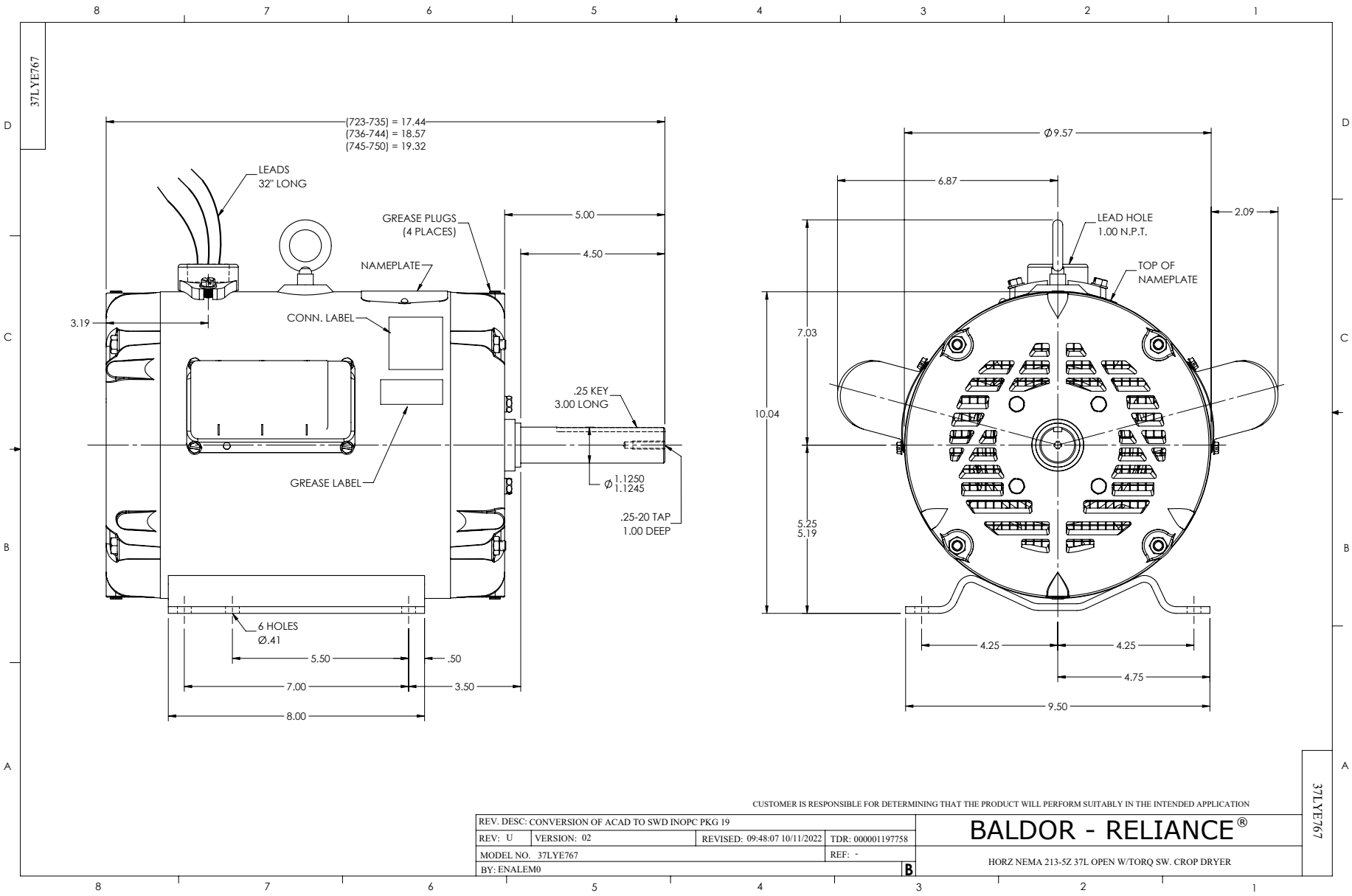
WINDING # 37WGZ089

10.5 HP 1 PH 60 HZ 3450 RPM 230 V 3729L

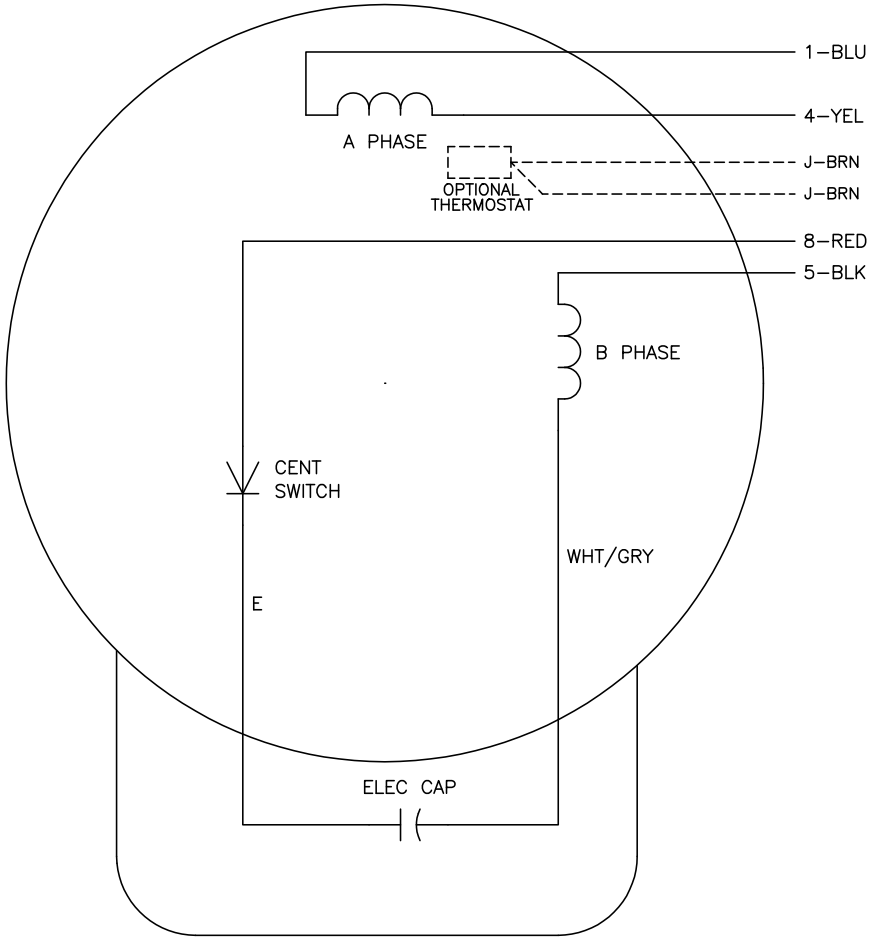
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=36 PU=16 LR=17 LRA=205




37LYE767
(723-735) = 17.44
(736-744) = 18.57
(745-750) = 19.32
LEADS
32" LONG
GREASE PLUGS
(4 PLACES)
NAMEPLATE
5.00
4.50
3.19
CONN. LABEL
.25 KEY
3.00 LONG
GREASE LABEL
Ø 1.1250
1.1245
.25-20 TAP
1.00 DEEP
6 HOLES
Ø.41
5.50
.50
7.00
3.50
8.00
Ø9.57
6.87
2.09
LEAD HOLE
1.00 N.P.T.
TOP OF
NAMEPLATE
7.03
10.04
5.25
5.19
4.25
4.25
4.75
9.50
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: U
VERSION: 02
REVISED: 09:48:07 10/11/2022
TDR: 000001197758
MODEL NO. 37LYE767
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ NEMA 213-5Z 37L OPEN W/TORQ SW. CROP DRYER
37LYE767

CD0017A01



	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.

CD0017A01

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: B	BY: JLP	REVISED: 04/08/99 1:18	TDR: 0178636
CD0017A01		FILE: AAA00007513	MDL: –
		MTL: –	TYPE L, SV, REV, 4 LEADS