ABB BALDOR RELIANCE

Customer information packet

UCLE1015

10-15HP, 3500RPM, 1PH, 60HZ, 215Z, 3750LC, TEA
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
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, Cap Run
Output @ Frequency	15.000 HP @ 60 HZ
	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 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	46.000 A @ 230.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
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	46.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K

Part Detail

Revision	U
Type	AC
Mech. spec.	37N421
Base	
Status	PRD/A
Elec. spec.	37WGY921
Layout	37LYN421
Eff. date	09-28-2026
CD Diagram	CD0208
Poles	02
Leads	2#8 A PH SEE NOTES,3#14 B PH SEE NOTES
	Y
Proprietary	False
Created date	03-07-2014

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	3750LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.56 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	Shaft Slinger
Speed	3500 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.	UCLE1015									
SPEC.	37N421Y921G1									
HP	10-15									
VOLTS	230									
AMP	46-61									
RPM	3500									
FRAME	215Z	**HZ**	60		**PH**	1				
SER.F.	1.00	**CODE**	K	**DES**	-	**CL**	F			
NEMA-NOM-EFF		**PF**								
RATING	40C AMB-CONT									
CC										
DE	6307	**ODE**	6206							
ENCL	TEAO	**SN**								

NP1263L								
CAT.NO.	UCLE1015							
SPEC.	37N421Y921G1							
HP	10-15							
VOLTS	230							
AMP	46-61							
RPM	3500							
FRAME	215Z		**HZ**	60		**PH**	1	
SER.F.	1.00	**CODE**	K	**DES**	-	**CL**	F	
NEMA-NOM-EFF		**PF**						
RATING	40C AMB-CONT							
CC								
DE	6307	**ODE**	6206					
ENCL	TEAO	**SN**						

Parts List

Part number	Description	Quantity
SA277561	SA 37N421Y921G1	1.000 ea
RA264111	RA 37N421Y921G1	1.000 ea
OC3060F10SP	CYL OIL CAP 60MFD/370V	1.000 ea
EC4270C06	ELEC CAP, 270-324 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
36GS5001	GASKET CONDUIT ADAPTOR	1.000 ea
51XF2520A10	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .62	2.000 ea
52XF1032G04	10-32 X 1/4, HX HD SR SL	1.000 ea
37EP3101C08	FR ENDPLATE, MACH	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
35GS3003A02	1/16" NEOPRENE BOX GASKET FT. SMITH MADE	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
37PE3100A92	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4600H13	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 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
HW4600B31SP	V-RING SLINGER 1.438 X 1.758 X .24 VITON	1.000 ea
HW2501E18	KEY, 1/4 SQ X 2.000	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
MG1025C02	WILKOFAST SG, 787.105, TAN	0.028 ga
LD5000A69	LEAD ASSY, ML1400DF08 W/#10 RING 44"	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	8.000 ea
SP5172A10	TORQ MODEL 37 TYPE LC SPLIT CAPS,	1.000 ea
HA3104A18	THRUBOLT- 5/16-18 X14.000	4.000 ea
NS2605	INSULATOR FOR 37 FRAMESWITCH (MH1011A10)	1.000 ea

LB1161	LABEL,THERMOSTAT (ROLL LABEL)	1.000 ea
LC0208	CONNECTION LABEL	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 ea
NP1263L	AUX, GP, ALUM, CC, LASER ETCHED	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

Accessories

Part number	Description	Multiplier
37-3301FD	C FACE KIT FARM DUTY 213-5TC, ENCL, 6307	A8

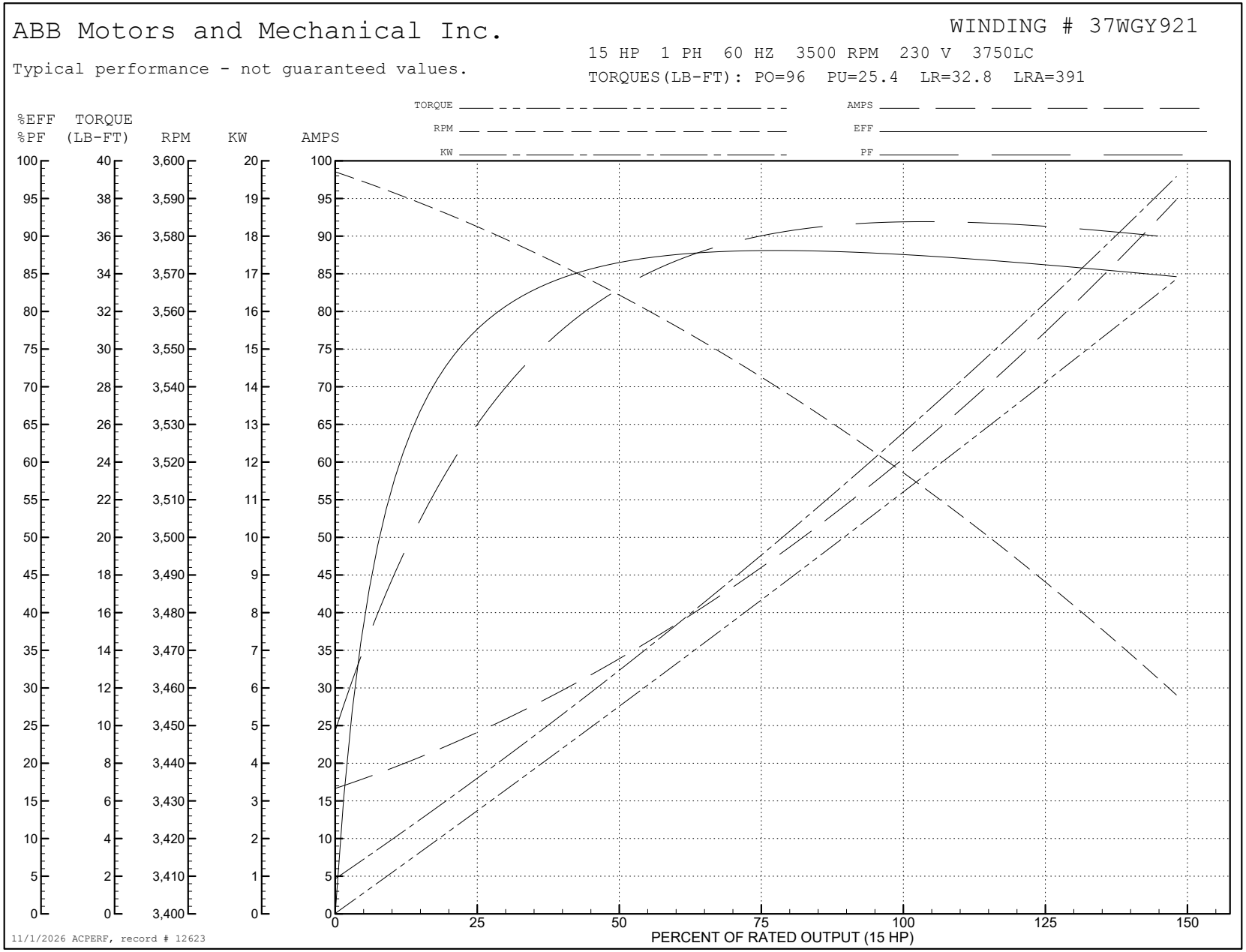
AC Induction Motor Performance Data
Record # 12623
Typical performance - not guaranteed values

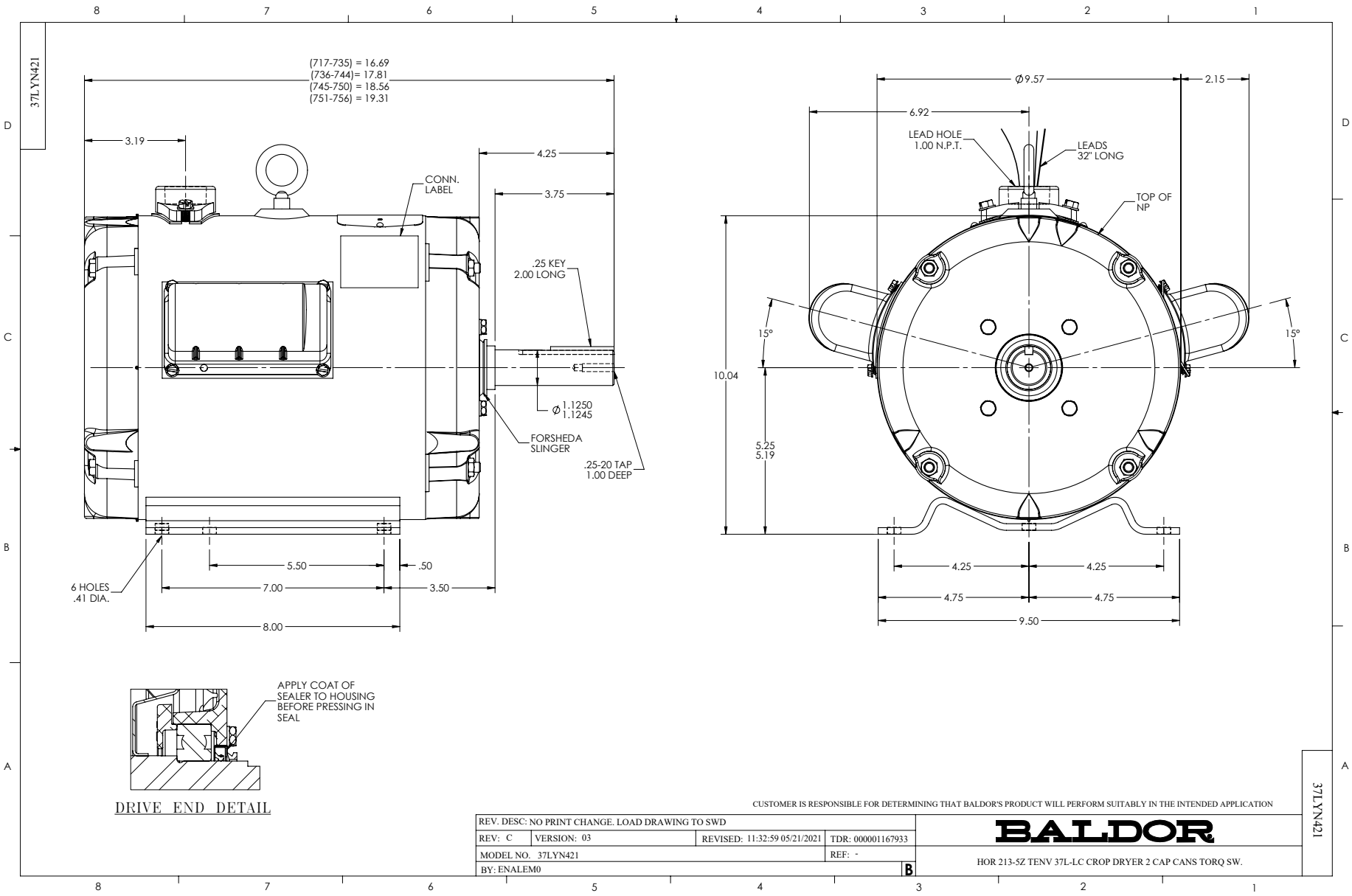
Winding: 37WGY921-R001	**Type:** 3750LC	**Enclosure:** TEAO

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10-15	**Full Load Torque**	22.5 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			46-61	**Breakdown Torque**	96 LB-FT
R.P.M.			3500	**Pull-up Torque**	25.4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	32.8 LB-FT
NEMA Design Code	-	**KVA Code**	K	**Starting Current**	391 A
Service Factor (S.F.)			1	**No-load Current**	17.3 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.0724 Ω A Ph 0.851 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	

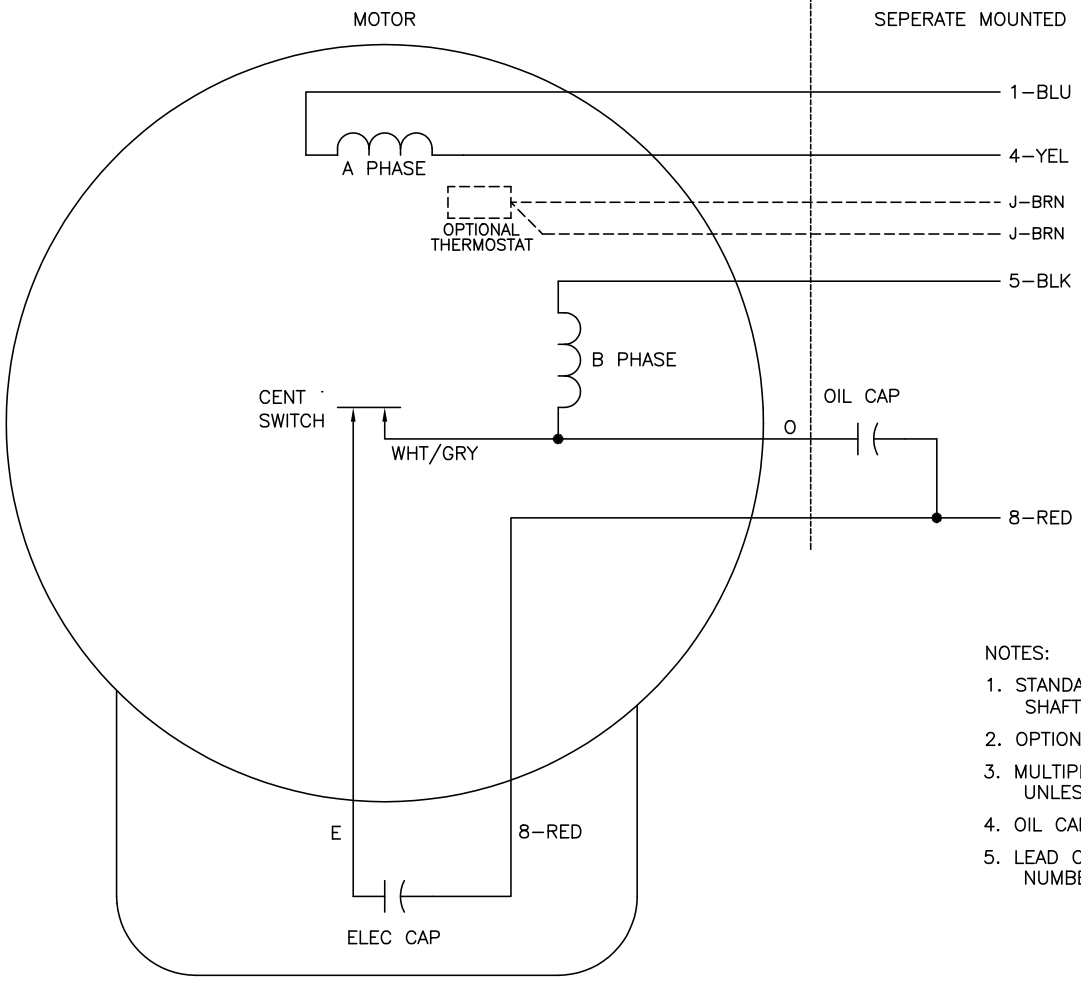
Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	70	85	89	91	91	90
Efficiency	76.8	85.9	88.1	87.8	86.7	84.3
Speed	3580	3562	3542	3518	3491	3456
Line amperes	23.3	34	46.9	61.2	77	94.6


ABB Motors and Mechanical Inc.
WINDING # 37WGY921
Typical performance - not guaranteed values.
15 HP 1 PH 60 HZ 3500 RPM 230 V 3750LC
TORQUES(LB-FT): PO=96 PU=25.4 LR=32.8 LRA=391
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (15 HP)
11/1/2026 ACPERF, record # 12623


37LYN421
(717-735) = 16.69
(736-744)= 17.81
(745-750) = 18.56
(751-756) = 19.31
3.19
4.25
3.75
CONN. LABEL
.25 KEY
2.00 LONG
Ø 1.1250
1.1245
FORSHEDA SLINGER
.25-20 TAP
1.00 DEEP
6 HOLES
.41 DIA.
5.50
.50
7.00
3.50
8.00
Ø9.57
2.15
6.92
LEAD HOLE
1.00 N.P.T.
LEADS
32" LONG
TOP OF NP
15°
15°
10.04
5.25
5.19
4.25
4.25
4.75
4.75
9.50
APPLY COAT OF SEALER TO HOUSING BEFORE PRESSING IN SEAL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NO PRINT CHANGE. LOAD DRAWING TO SWD
REV: C
VERSION: 03
REVISED: 11:32:59 05/21/2021
TDR: 000001167933
MODEL NO. 37LYN421
REF: -
BY: ENALEM0
B
BALDOR
HOR 213-5Z TENV 37L-LC CROP DRYER 2 CAP CANS TORQ SW.
37LYN421

CD0208



	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. OIL CAPACITOR(S) ARE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO MATCH LC0208			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/09/01 5:10	TDR: 0228770
CD0208		FILE: AAA00026902	REF: –
		MTL: –	TYPE LC, SV, REV, SEP MTD OIL CAP(S), 5 LEADS

CD0208