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**						

Accessories

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

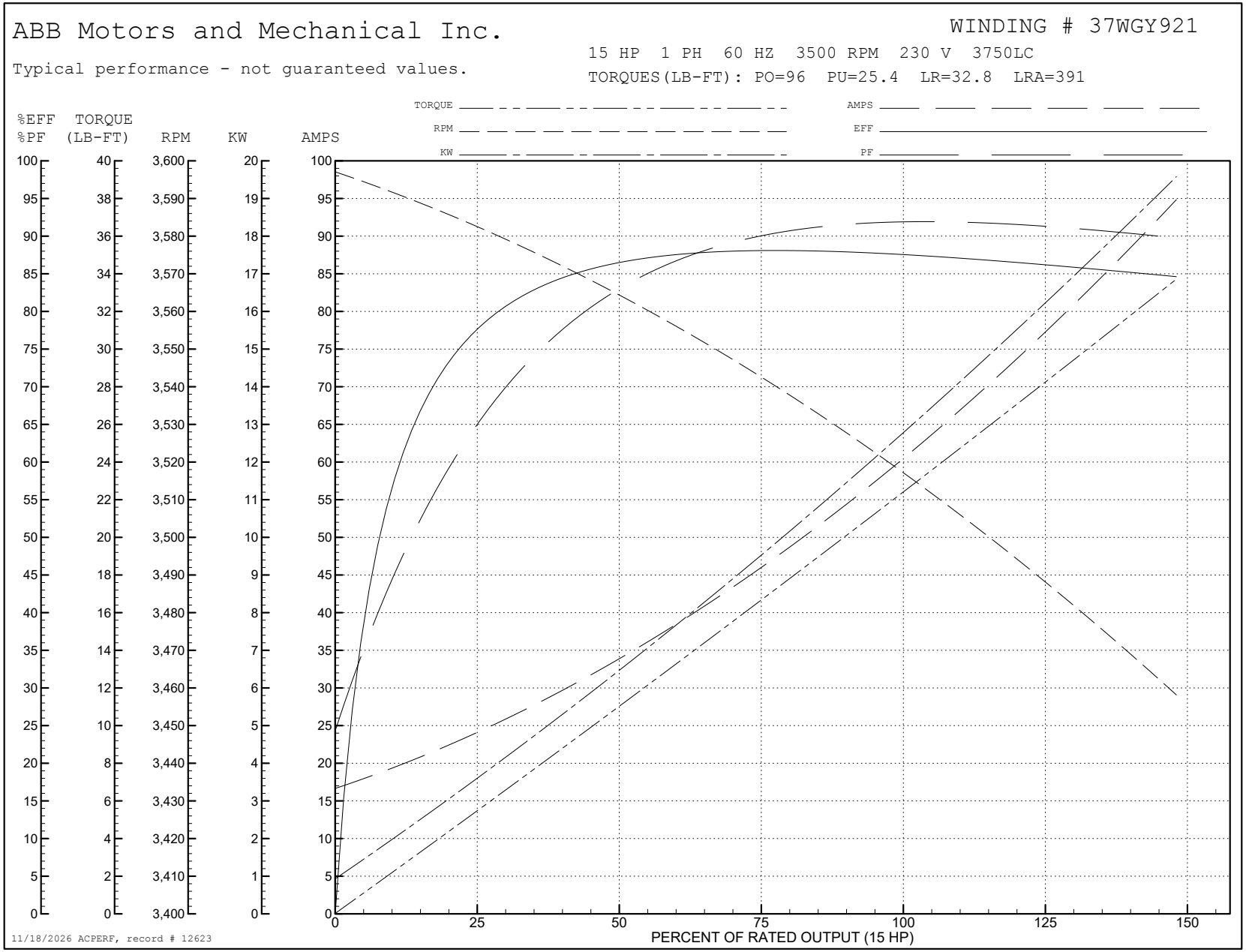
AC Induction Motor Performance Data
Record # 12623
Typical performance - not guaranteed values

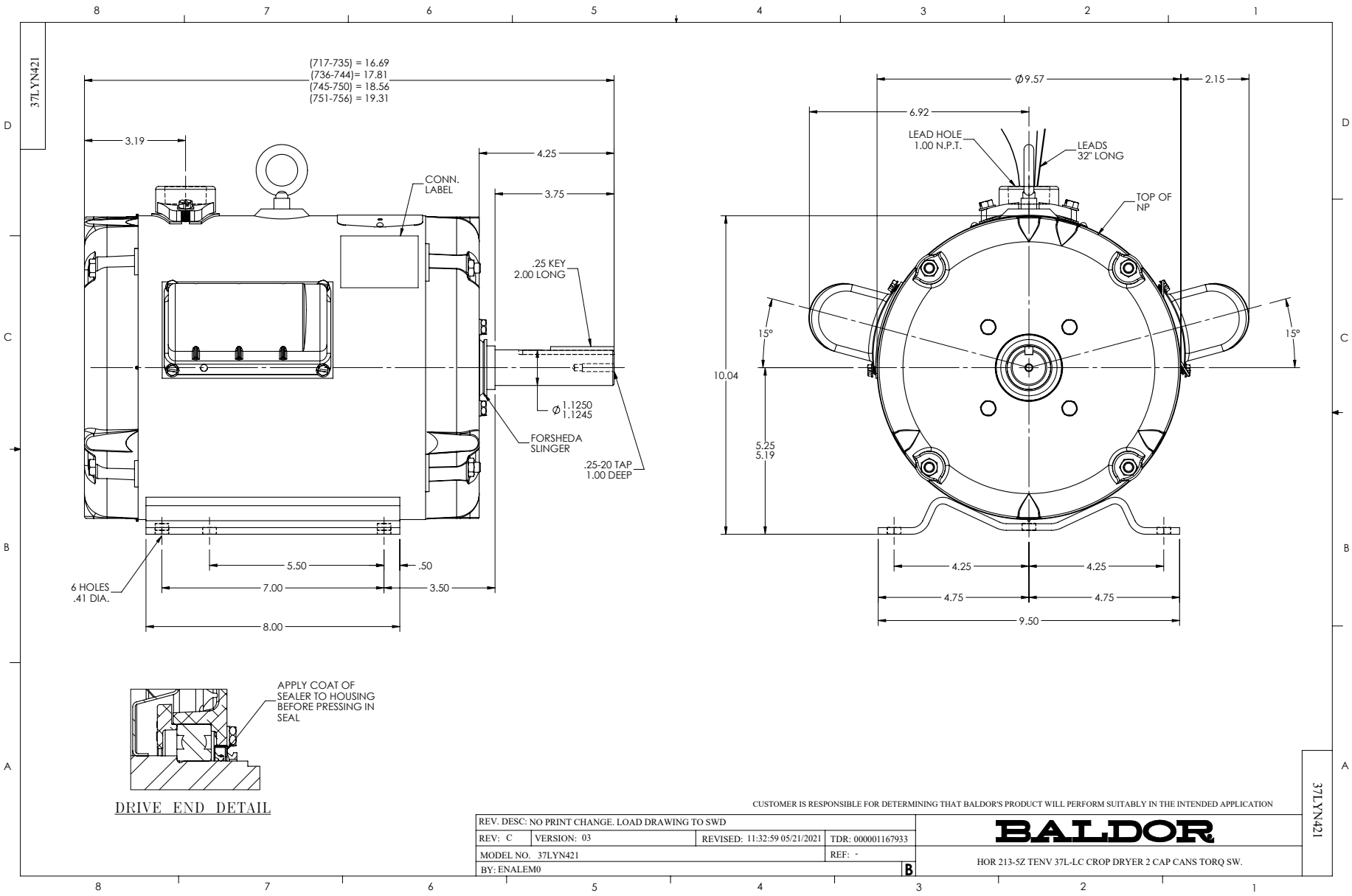
Winding: 37WGY921-R001	**Type:** 3750LC	**Enclosure:** TEAO

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**	

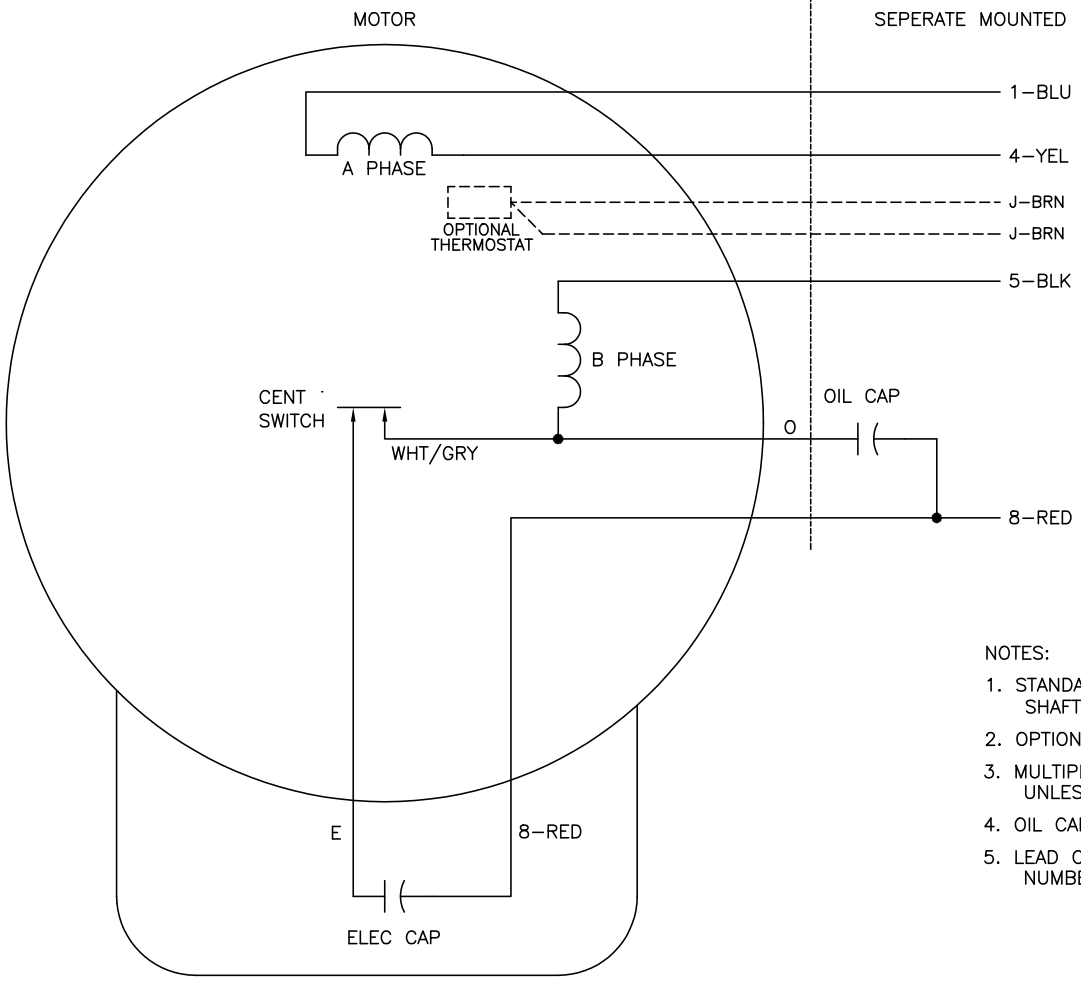
Load Characteristics 230 V, 60 Hz, 15 HP

% 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
15 HP 1 PH 60 HZ 3500 RPM 230 V 3750LC
Typical performance - not guaranteed values.
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)
11/18/2026 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.

CD0208

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