



Customer information packet

JXL050522A

.5HP, 3450RPM, 1PH, 60HZ, 56J, 3513L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56J
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	CL I GP D; CL II GP F,G
XP Division	Division I
Agency Approvals	CSA UL
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.900 A @ 230.0 V 7.800 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	3.9 a
Insulation Class	B
Inverter Code	Not Inverter

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WG0763
Layout	35LYE382
Eff. date	06-28-2022
CD Diagram	CD0008
Poles	02
Leads	6#18,1#16 #4TH
Proprietary	False
Created date	03-29-2021

IP Rating	NONE
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3513L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.78 IN
Power Factor	69
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3450 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 1 Location	EP
Winding Thermal 2	None
XP Temp Code	T3C

Nameplate

NP0016XPSL					
NO.		CC			
SER. #					
SPEC	35-0000-1063				
CAT.NO.	JXL050522A				
H.P.	.5	T. CODE	T3C		
VOLTS	115/230				
AMPS	7.8/3.9				
R.P.M.	3450				
HZ	60	PH	1	CLASS	B
SER.F.	1.00	DES	N	CODE	L
RATING	40C AMB-CONT				
FRAME	56J	NEMA NOM. EFF	55		
USABLE AT 208V		PF	69		
BLANK	NEMA MG-1 PART 5, IP54				

AC Induction Motor Performance Data

Record # 20947

Preliminary Data Sheet

Winding: 35WG0763-R002		Type: 3513L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	.5		Full Load Torque	0.751 LB-FT	
Volts	115/230		Start Configuration	direct on line	
Full Load Amps	7.8/3.9		Breakdown Torque	1.85 LB-FT	
R.P.M.	3450		Pull-up Torque	1.84 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	2.9 LB-FT	
NEMA Design Code	N	KVA Code	L	Starting Current	41.6 A
Service Factor (S.F.)	1		No-load Current	5.99 A	
NEMA Nom. Eff.	55	Power Factor	69	Line-line Res. @ 25°C	1.21 Ω A Ph 3.33 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	41°C	
S.F. Amps			Temp. Rise @ S.F. Load	47°C	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	44	55	64	71	76	80
Efficiency	30.1	44.9	53	57.9	60.3	61.2
Speed	3557	3534	3508	3480	3447	3408
Line amperes	6.24	6.61	7.18	7.86	8.75	9.76

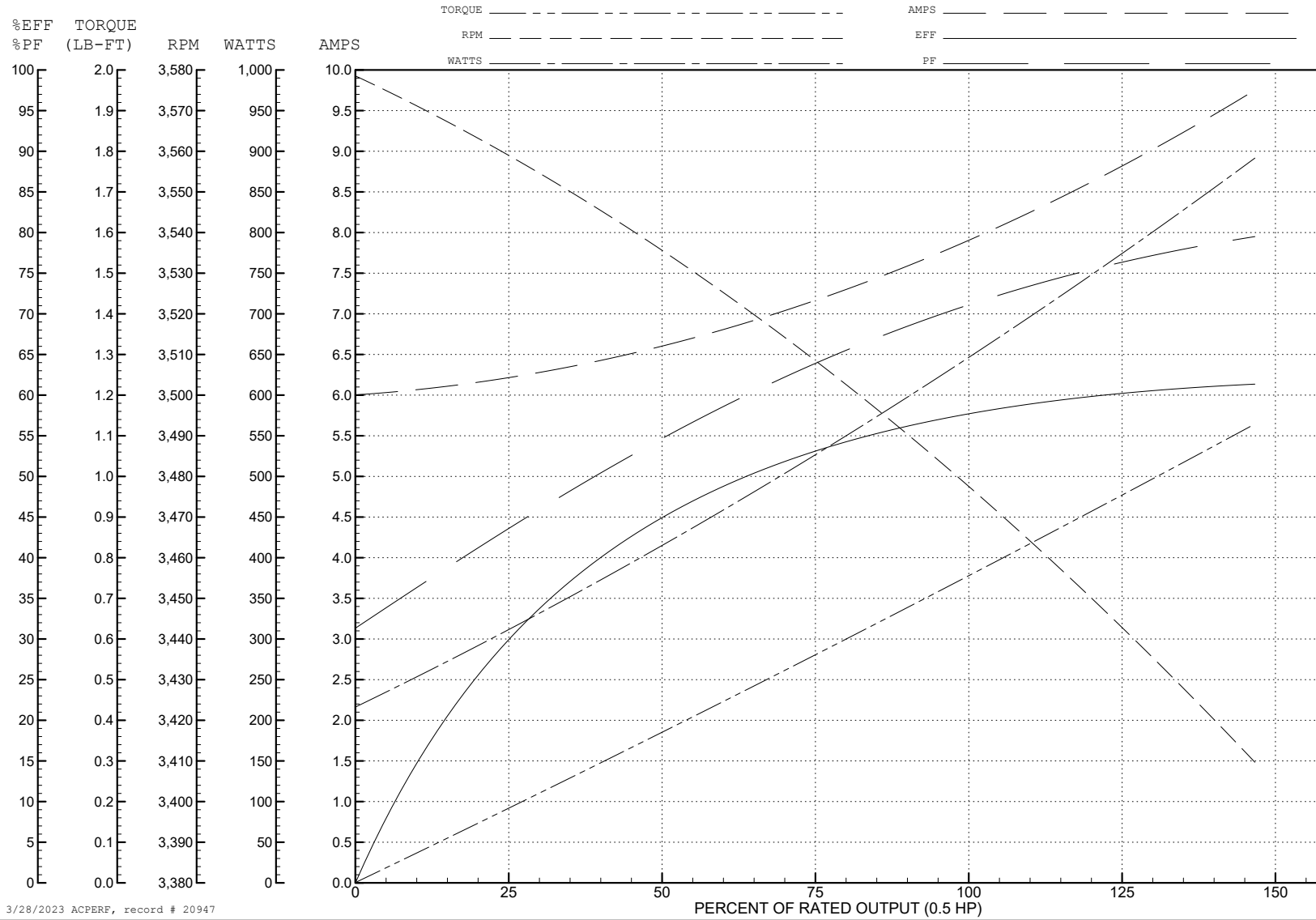
ABB Motors and Mechanical Inc.

WINDING # 35WG0763

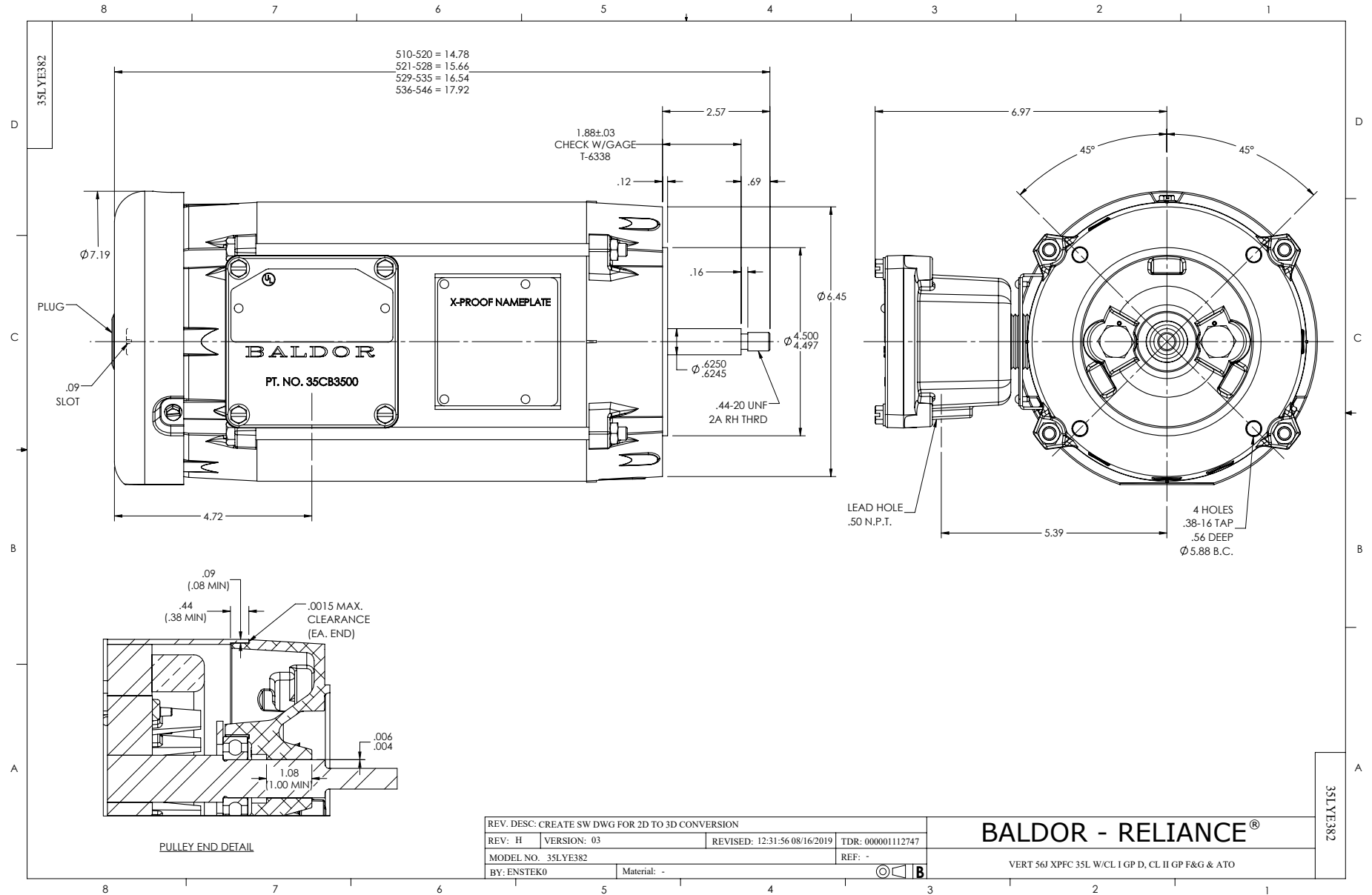
0.5 HP 1 PH 60 HZ 3450 RPM 115 V 3513L

Typical performance - not guaranteed values.

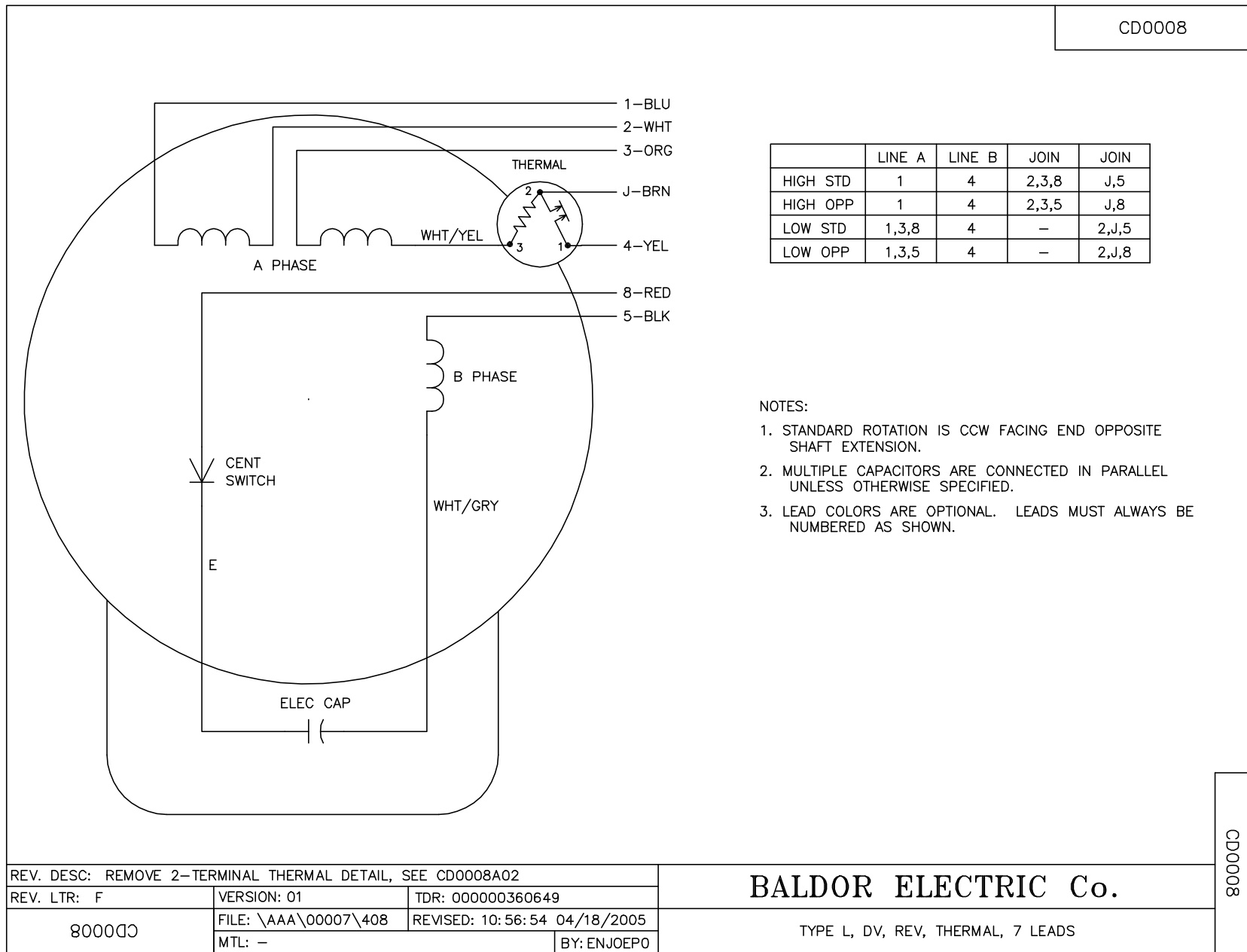
TORQUES (LB-FT): PO=1.85 PU=1.84 LR=2.9 LRA=41.6



3/28/2023 ACPERF, record # 20947



CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008