ABB BALDOR RELIANCE

Customer information packet

RL1323A

.5HP, 1725RPM, 1PH, 60HZ, 56, 3416L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56
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	.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.000 A @ 230.0 V
	8.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	62.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.0 a

Part Detail

Revision	AD
Type	AC
Mech. spec.	34K018
Base	
Status	PRD/A
Elec. spec.	34WGW140
Layout	34LYK018
Eff. date	10-28-2024
CD Diagram	CD0052
Poles	04
Leads	6#18,1#16 #1TH
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3416L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.97 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
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	Automatic Thermal Overload
Winding Thermal 1 Location	SB

Nameplate

NP1257L											
CAT.NO.	RL1323A										
SPEC.	34K18W140										
HP	.5										
VOLTS	115/230										
AMP	8/4										
RPM	1725										
FRAME	56		**HZ**	60		**PH**	1				
SER.F.	1.00	**CODE**	J	**DES**	N	**CL**	B				
NEMA-NOM-EFF	62	**PF**	71								
RATING	40C AMB-CONT										
CC											
DE	6203	**ODE**	6203								
ENCL	OPEN	**SN**									

AC Induction Motor Performance Data
Record # 6896
Typical performance - not guaranteed values

Winding: 34WGW140-R001	**Type:** 3416L	**Enclosure:** OPEN

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.5	**Full Load Torque**	1.5 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			8/4	**Breakdown Torque**	3 LB-FT
R.P.M.			1725	**Pull-up Torque**	2.2 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	5 LB-FT
NEMA Design Code	N	**KVA Code**	J	**Starting Current**	33 A
Service Factor (S.F.)			1	**No-load Current**	5.7 A
NEMA Nom. Eff.	62	**Power Factor**	71	**Line-line Res. @ 25ºC**	1.42 Ω A Ph 3.46 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	38	51	61	70	76	81
Efficiency	36.2	51.4	58.6	61.7	62.2	60.6
Speed	1776	1759	1740	1717	1690	1654
Line amperes	5.9	6.2	6.8	7.5	8.6	9.9

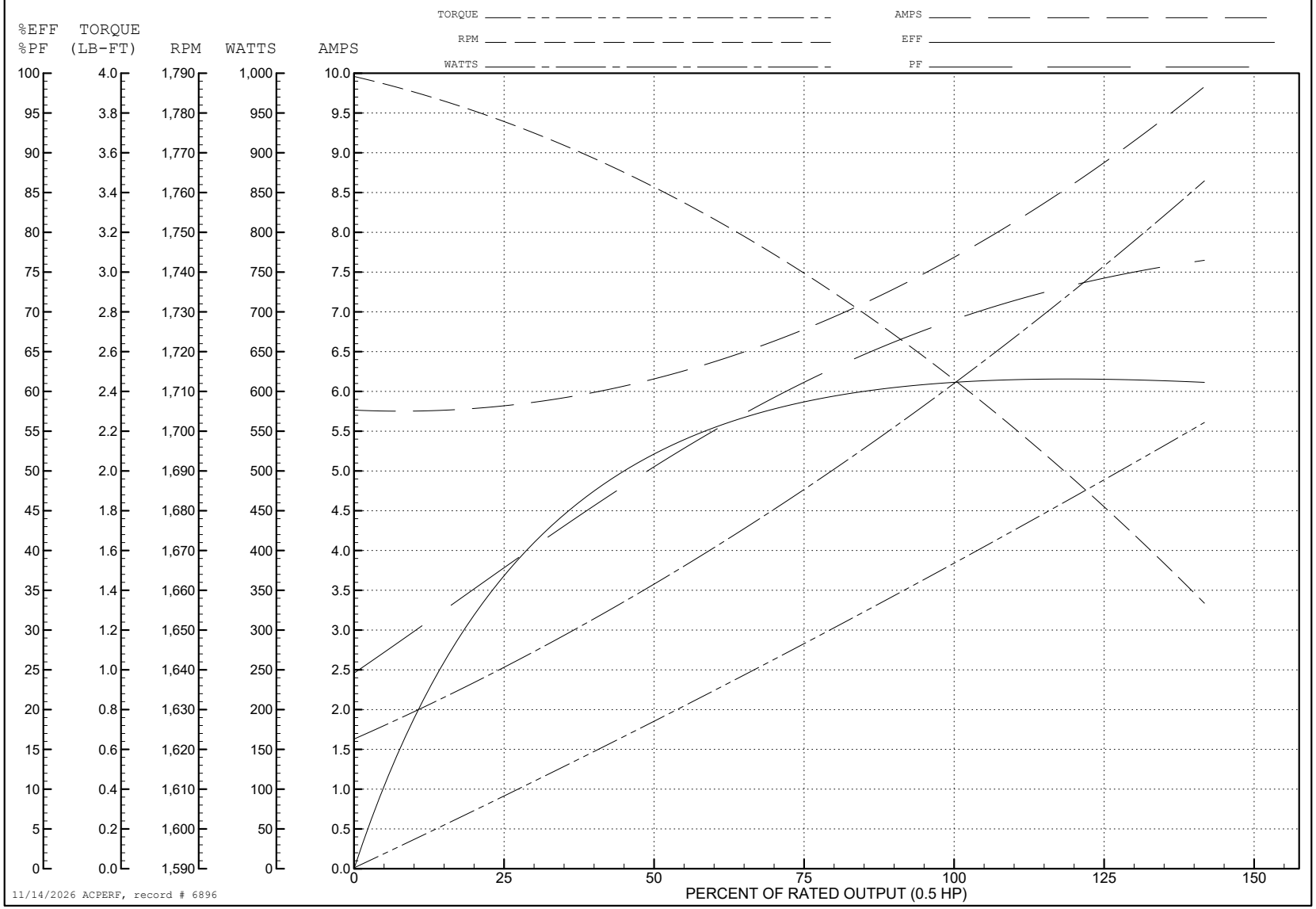
ABB Motors and Mechanical Inc.

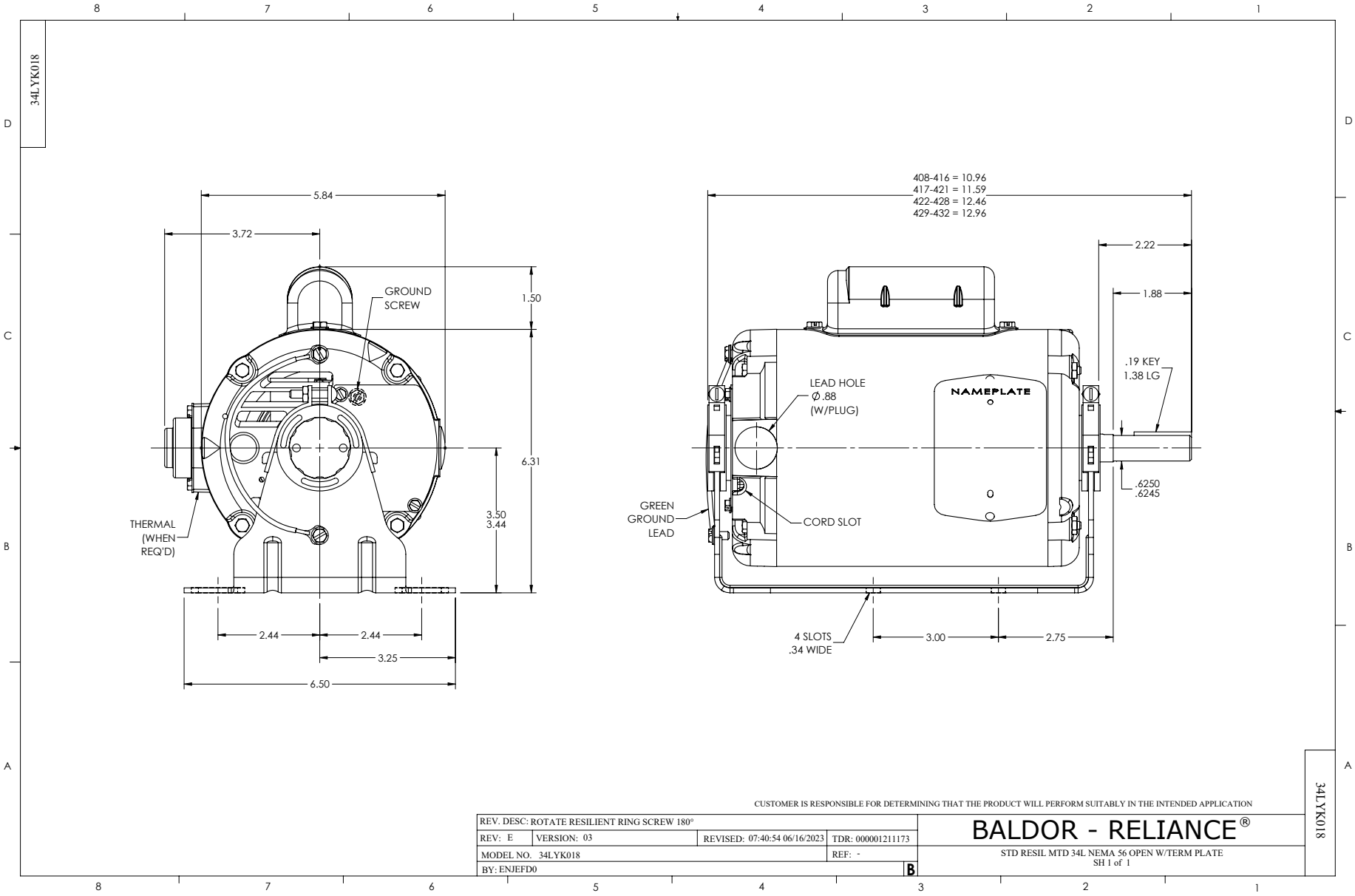
WINDING # 34WGW140

0.5 HP 1 PH 60 HZ 1725 RPM 115 V 3416L

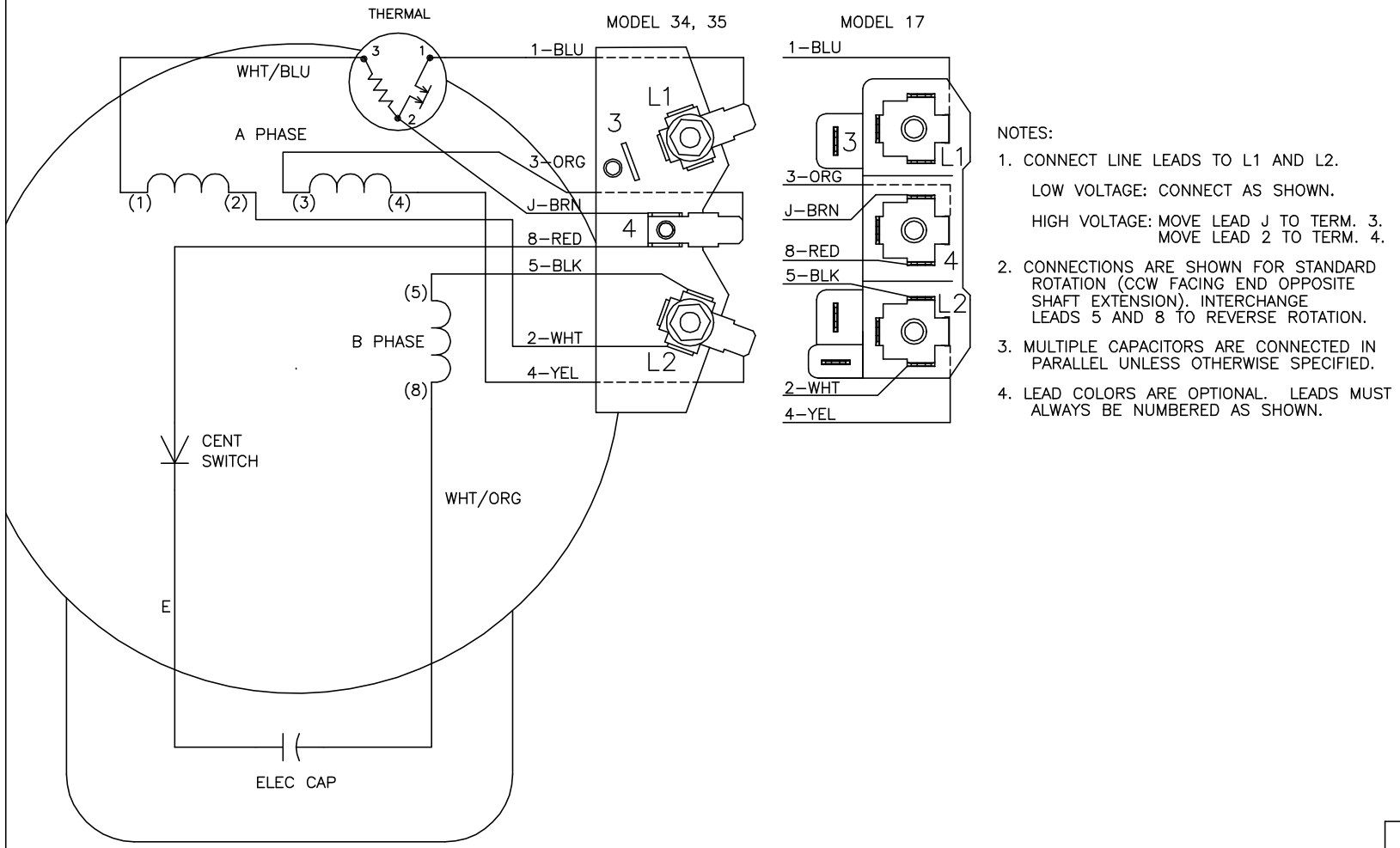
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=3 PU=2.2 LR=5 LRA=33




34LYK018
5.84
3.72
GROUND SCREW
1.50
6.31
3.50
3.44
THERMAL (WHEN REQ'D)
2.44
2.44
3.25
6.50
408-416 = 10.96
417-421 = 11.59
422-428 = 12.46
429-432 = 12.96
2.22
1.88
.19 KEY
1.38 LG
LEAD HOLE
Ø .88
(W/PLUG)
NAMEPLATE
.6250
.6245
GREEN GROUND LEAD
CORD SLOT
4 SLOTS
.34 WIDE
3.00
2.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ROTATE RESILIENT RING SCREW 180°
REV: E
VERSION: 03
REVISED: 07:40:54 06/16/2023
TDR: 000001211173
MODEL NO. 34LYK018
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
STD RESIL MTD 34L NEMA 56 OPEN W/TERM PLATE
SH 1 of 1
34LYK018

CD0052



NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
   LOW VOLTAGE: CONNECT AS SHOWN.
   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3. MOVE LEAD 2 TO TERM. 4.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0052

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: H	VERSION: 01	TDR: 000000373039	
CD0052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005	TYPE L, DV, REV, THERMAL, TERMINAL PLATE
	MTL: –	BY: ENJOEP0	