

# ABB BALDOR RELIANCE III

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## Customer information packet

EL3612T

5HP, 1735RPM, 1PH, 60HZ, 184T, 3646LC, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	184T
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Cap Start, Cap Run
<b>Output @ Frequency</b>	5.000 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA EEV CURUS CURUSEEV NEMA PREMIUM (OLD LOGO) C UR US
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	19.100 A @ 230.0 V
<b>Design Code</b>	L
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	86.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater

**Part Detail**

<b>Revision</b>	AZ
<b>Type</b>	AC
<b>Mech. spec.</b>	36E004
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	36WGY530
<b>Layout</b>	36LYE004
<b>Eff. date</b>	07-17-2025
<b>CD Diagram</b>	CD0017A02
<b>Poles</b>	04
<b>Leads</b>	2#10 A PH,2#16 B PH
<b>Proprietary</b>	False
<b>Created date</b>	01-01-0001

High Voltage Full Load Amps	19.1 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.06 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1735 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 2	None

**Nameplate**

<b>NP2116L</b>									
<b>CAT.NO.</b>	EL3612T								
<b>SPEC.</b>	36E004Y530E7								
<b>HP</b>	5								
<b>VOLTS</b>	230								
<b>AMP</b>	19.1								
<b>RPM</b>	1735								
<b>FRAME</b>	184T		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.00	<b>CODE</b>	G	<b>DES</b>	L	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	86.5	<b>PF</b>	97						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6206	<b>ODE</b>	6205						
<b>ENCL</b>	TEFC	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

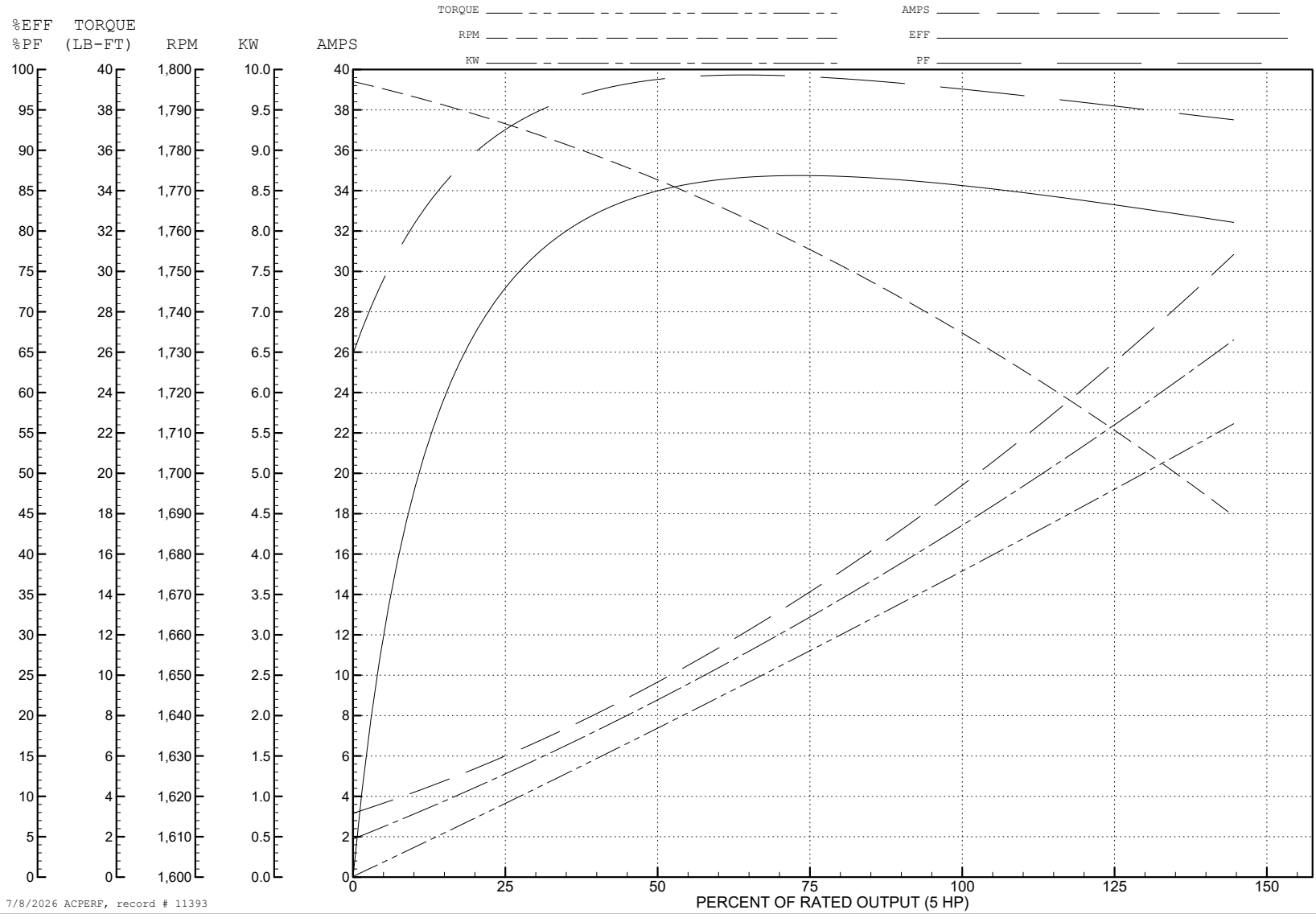
ABB Motors and Mechanical Inc.

WINDING # 36WGY530

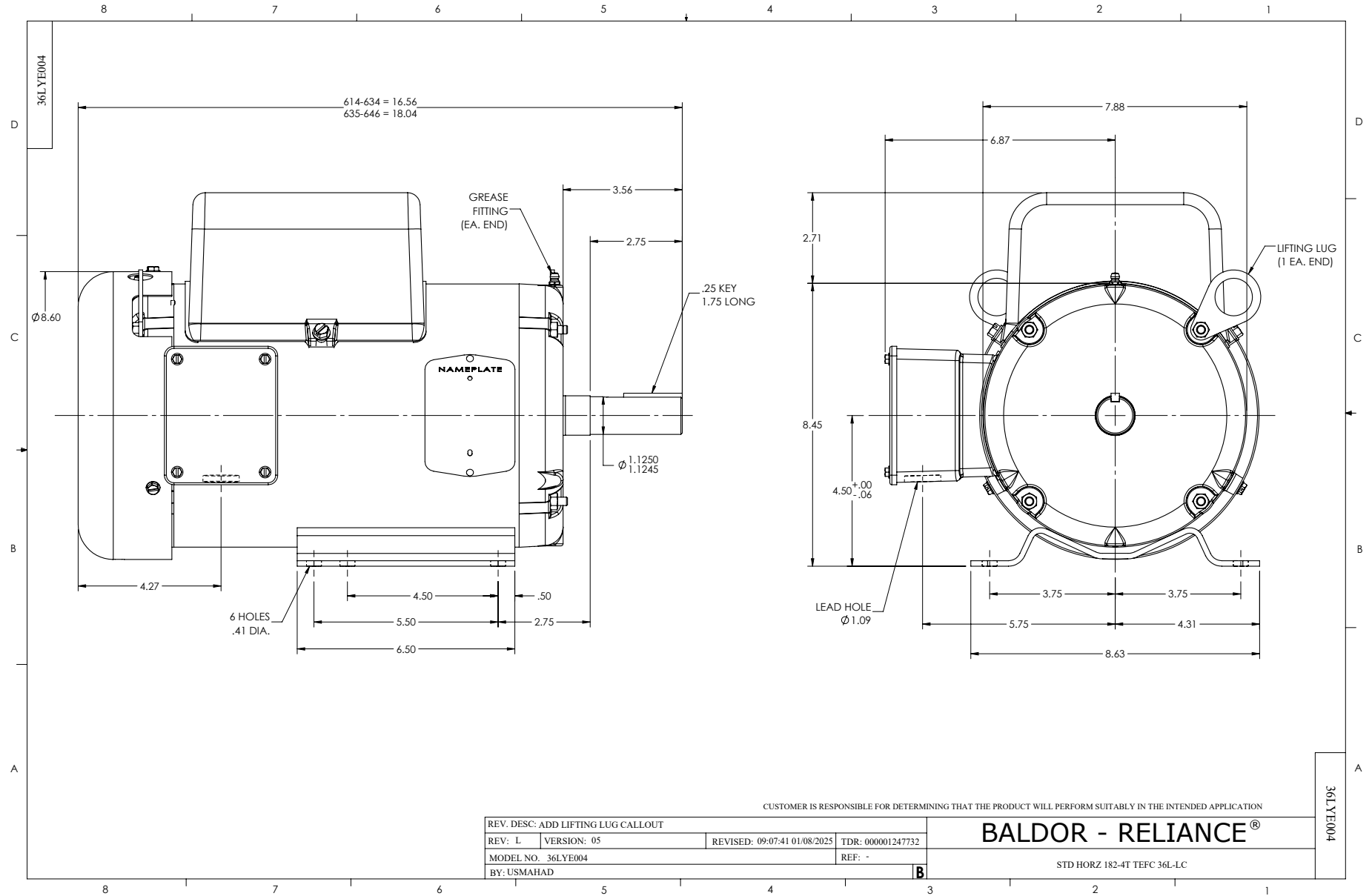
Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 1735 RPM 230 V 3646LC

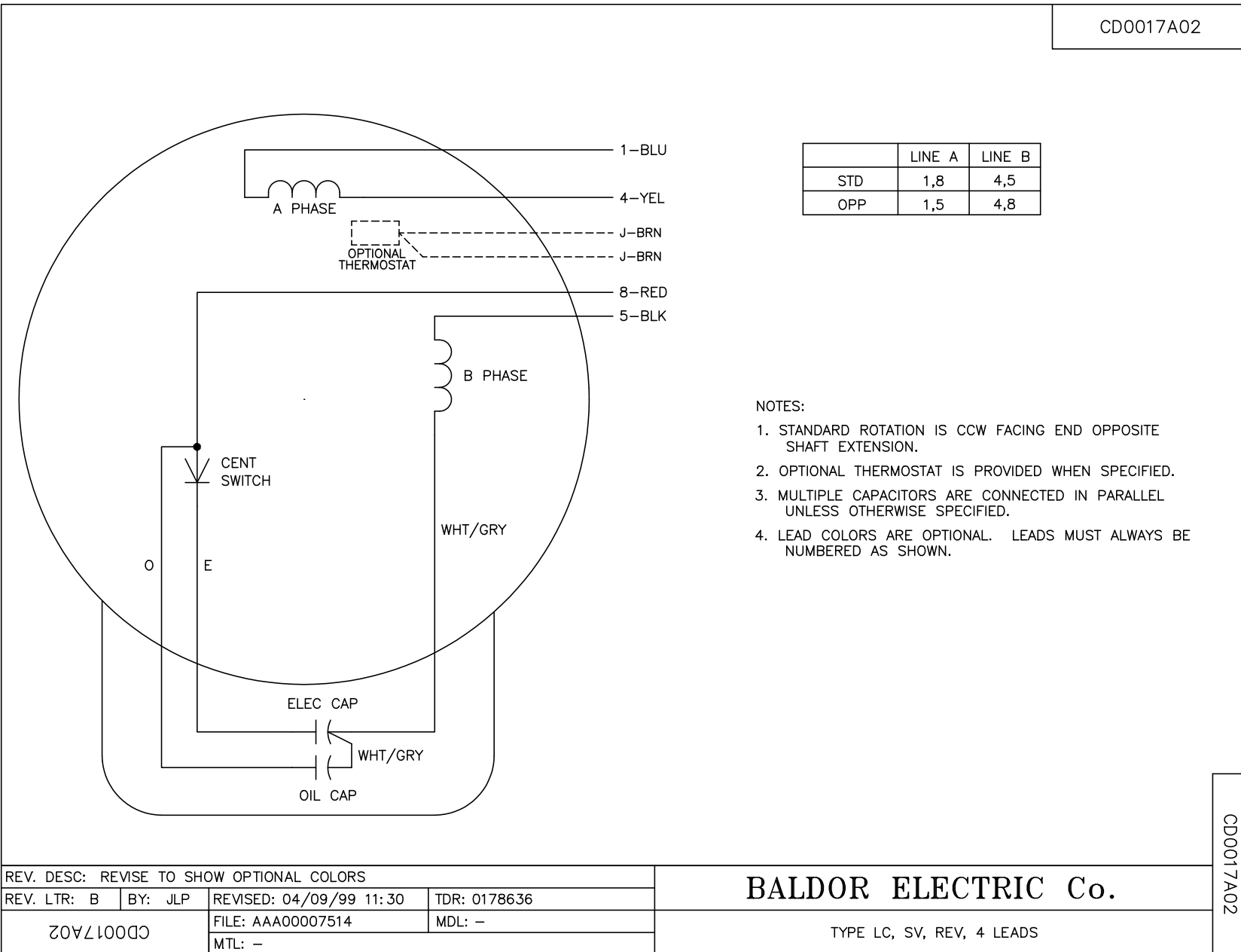
TORQUES (LB-FT): PO=34.8 PU=31.9 LR=41.1 LRA=127



7/8/2026 ACPERF, record # 11393



CD0017A02



	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.

CD0017A02

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: JLP	REVISED: 04/09/99 11:30	TDR: 0178636
CD0017A02		FILE: AAA00007514	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, 4 LEADS