

**BALDOR • RELIANCE**

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# Customer information packet

## L3710T

7.5HP, 1745RPM, 1PH, 60HZ, 215T, 3734LC, TEFC

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	215T
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	7.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	31.000 A @ 208.0 V 29.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
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	29.0 a
Insulation Class	F

## Part detail

Revision	K
Type	AC
Mech. spec.	37M307
Base	
Status	PRD/A
Elec. spec.	37WGT876
Layout	37LYM307
Eff. date	05-13-2024
CD Diagram	CD0086
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	01-21-2010

Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard 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	3734LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.02 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	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1745 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>NP1256L</b>									
<b>CAT.NO.</b>	L3710T								
<b>SPEC.</b>	37M307T876								
<b>HP</b>	7.5								
<b>VOLTS</b>	230								
<b>AMP</b>	29								
<b>RPM</b>	1745								
<b>FRAME</b>	215T		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.00	<b>CODE</b>	G	<b>DES</b>	L	<b>CLASS</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>	6307		<b>ODE</b>	6206					
<b>ENCL</b>	TEFC	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
37-3301	C FACE KIT	P1

**AC Induction Motor Performance Data**

Record # 37142

Typical performance - not guaranteed values

Winding: 37WGT876-R001		Type: 3734LC		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: Single Voltage Motor</b>		
Rated Output (HP)	7.5	Full Load Torque	22.4 LB-FT		
Volts	230	Start Configuration	direct on line		
Full Load Amps	29	Breakdown Torque	62.7 LB-FT		
R.P.M.	1745	Pull-up Torque	41.1 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	64 LB-FT	
NEMA Design Code	L KVA Code	G	Starting Current	186 A	
Service Factor (S.F.)		1	No-load Current	5.37 A	
NEMA Nom. Eff.	86.5 Power Factor	97	Line-line Res. @ 25°C	0.263 Ω A Ph 0.705 Ω B Ph	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	90°C	

**Load Characteristics 230 V, 60 Hz, 7.5 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	91	97	98	97	97	96
Efficiency	70.9	83.8	86.8	86.8	85	81.3
Speed	1787	1775	1761	1745	1726	1701
Line amperes	9.1	14.9	21.4	28.6	36.8	46.8

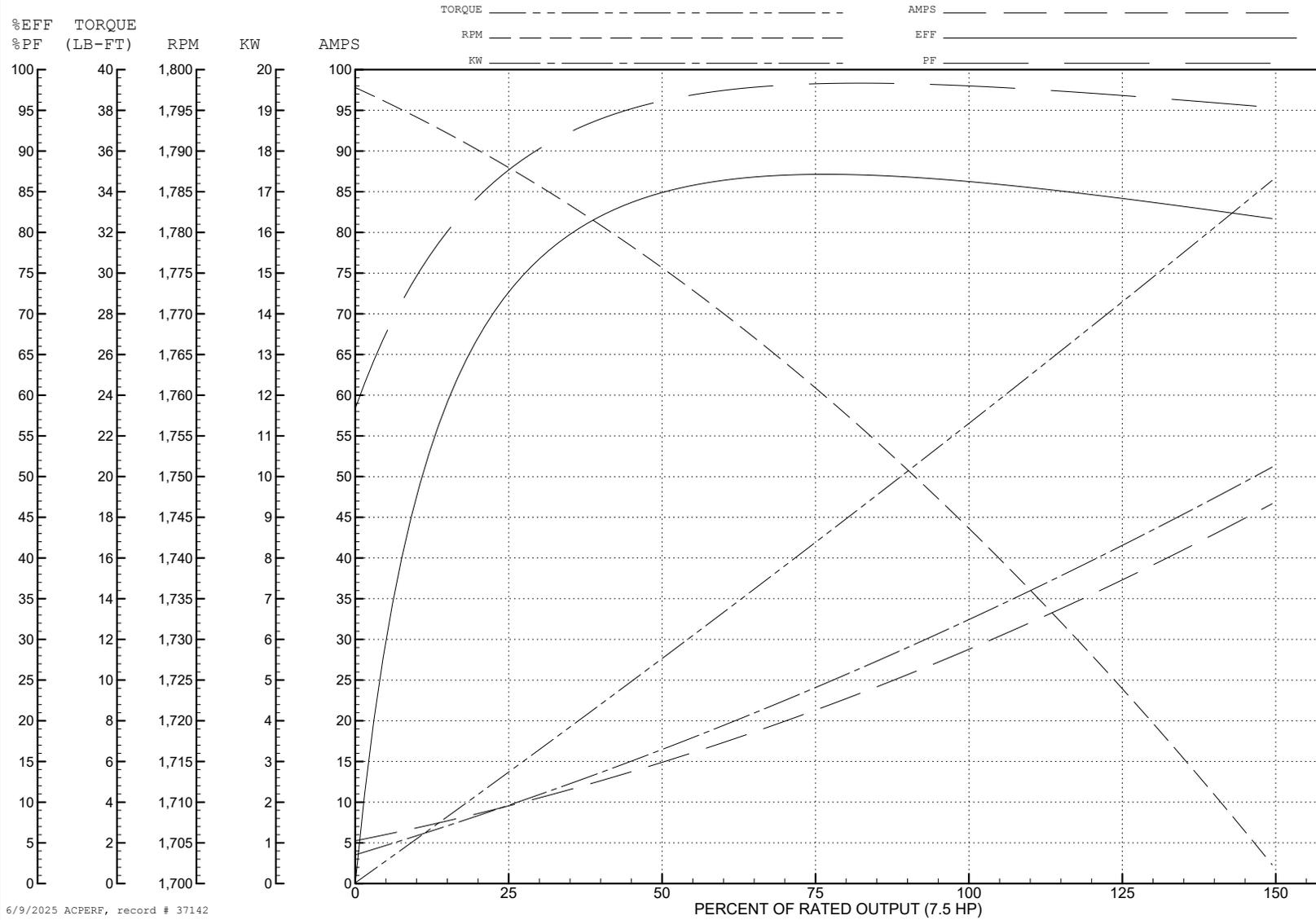
ABB Motors and Mechanical Inc.

WINDING # 37WGT876

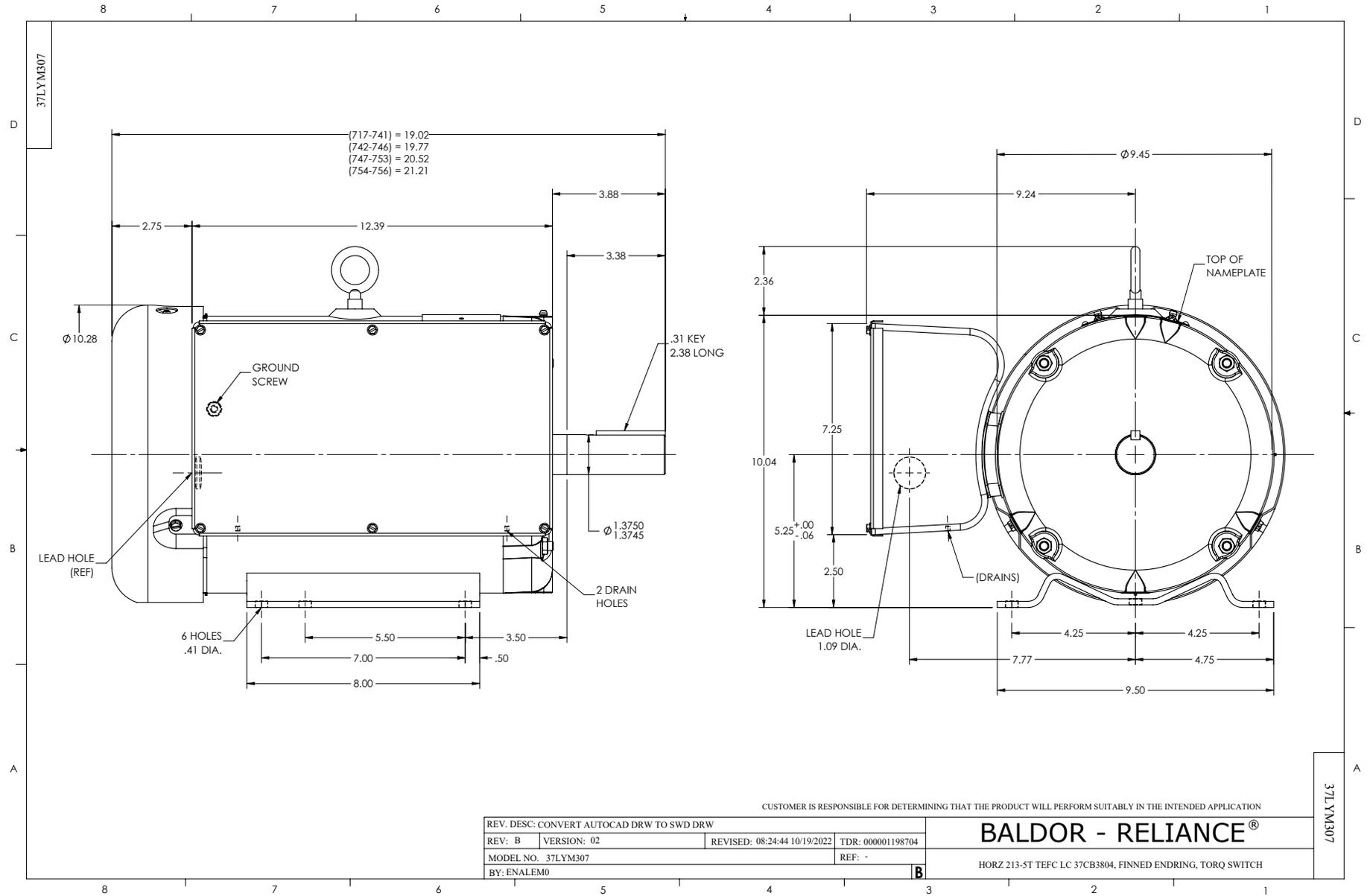
Typical performance - not guaranteed values.

7.5 HP 1 PH 60 HZ 1745 RPM 230 V 3734LC

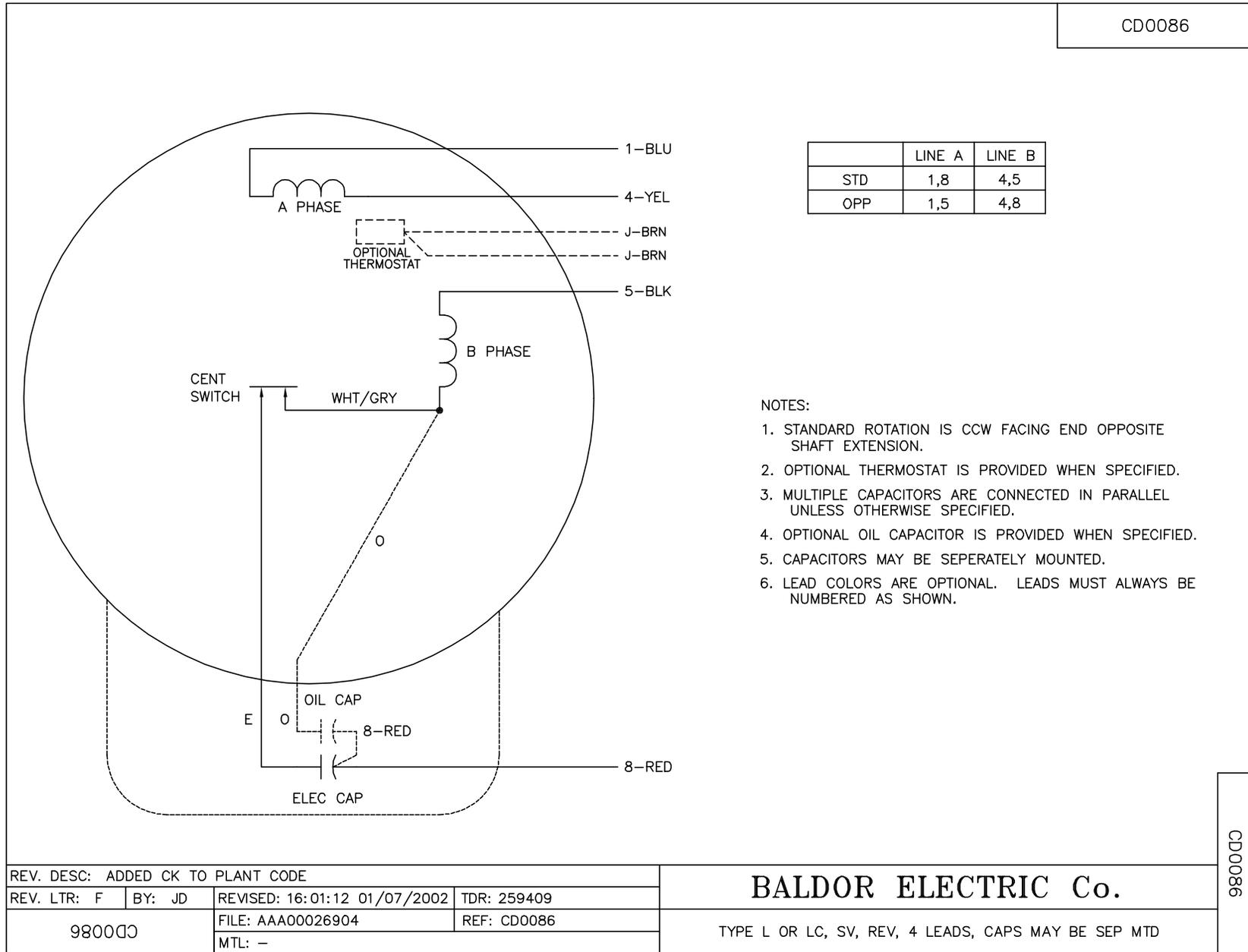
TORQUES (LB-FT): PO=62.7 PU=41.1 LR=64 LRA=186



6/9/2025 ACPERF, record # 37142



CD0086



	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. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
5. CAPACITORS MAY BE SEPERATELY MOUNTED.
6. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED CK TO PLANT CODE			
REV. LTR: F	BY: JD	REVISED: 16:01:12 01/07/2002	TDR: 259409
980000		FILE: AAA00026904	REF: CD0086
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086