

BALDOR® • RELIANCE

Product Information Packet

VL3506

.75HP,3450RPM,1PH,60HZ,56C,3424L,TEFC,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG3405	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34K043	Layout:	34LYK043	Poles:	02	Created Date:	
Base:	N	Eff. Date:	11-03-2017	Leads:	6#18		

Specs			
Catalog Number:	VL3506	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3424L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	74
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	4.800 A @ 230.0 V	Shaft Extension Location:	Pulley End

	6.100 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	9.600 A @ 115.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None

Nameplate NP1256L										
CAT.NO.	VL3506									
SPEC.	34K43-3405									
HP	.75									
VOLTS	115/230									
AMP	9.6/4.8									
RPM	3450									
FRAME	56C				HZ	60			PH	1
SER.F.	1.25		CODE	K	DES	N		CLASS	B	
NEMA-NOM-EFF	66		PF	74						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	6.1
DE	6203				ODE	6203				
ENCL	TEFC		SN							
	SFA 11.6/5.8									

AC Induction Motor Performance Data
Record # 6684 - Typical performance - not guaranteed values

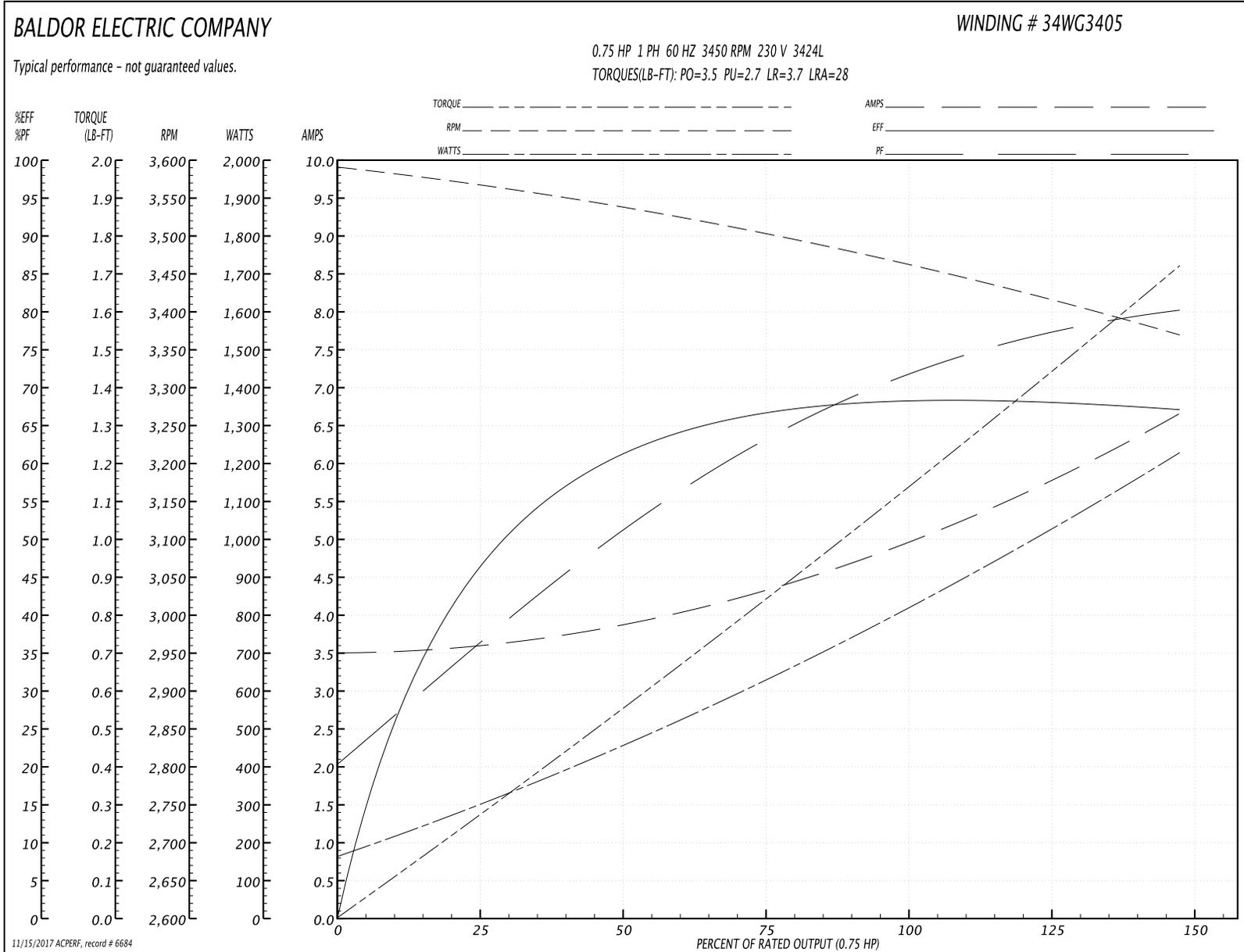
Winding: 34WG3405-R001	Type: 3424L	Enclosure: TEFC
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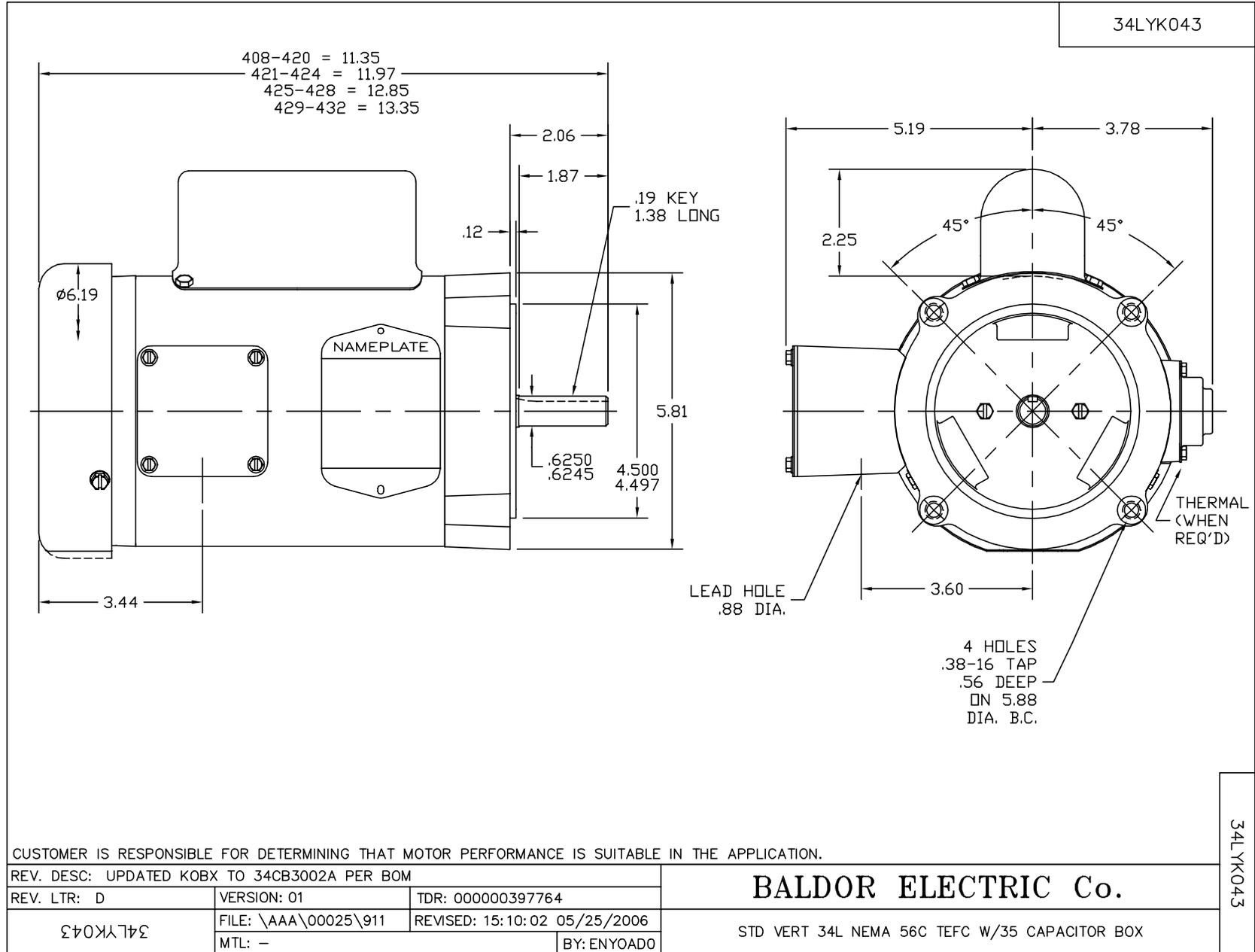
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.15 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	9.6/4.8			Breakdown Torque	3.5 LB-FT
R.P.M.	3450			Pull-up Torque	2.7 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.7 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	28 A
Service Factor (S.F.)	1.25			No-load Current	3.5 A
NEMA Nom. Eff.	66	Power Factor	74	Line-line Res. @ 25°C	2.5 Ω A Ph 2.5 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps	11.6/5.8			Temp. Rise @ S.F. Load	92°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

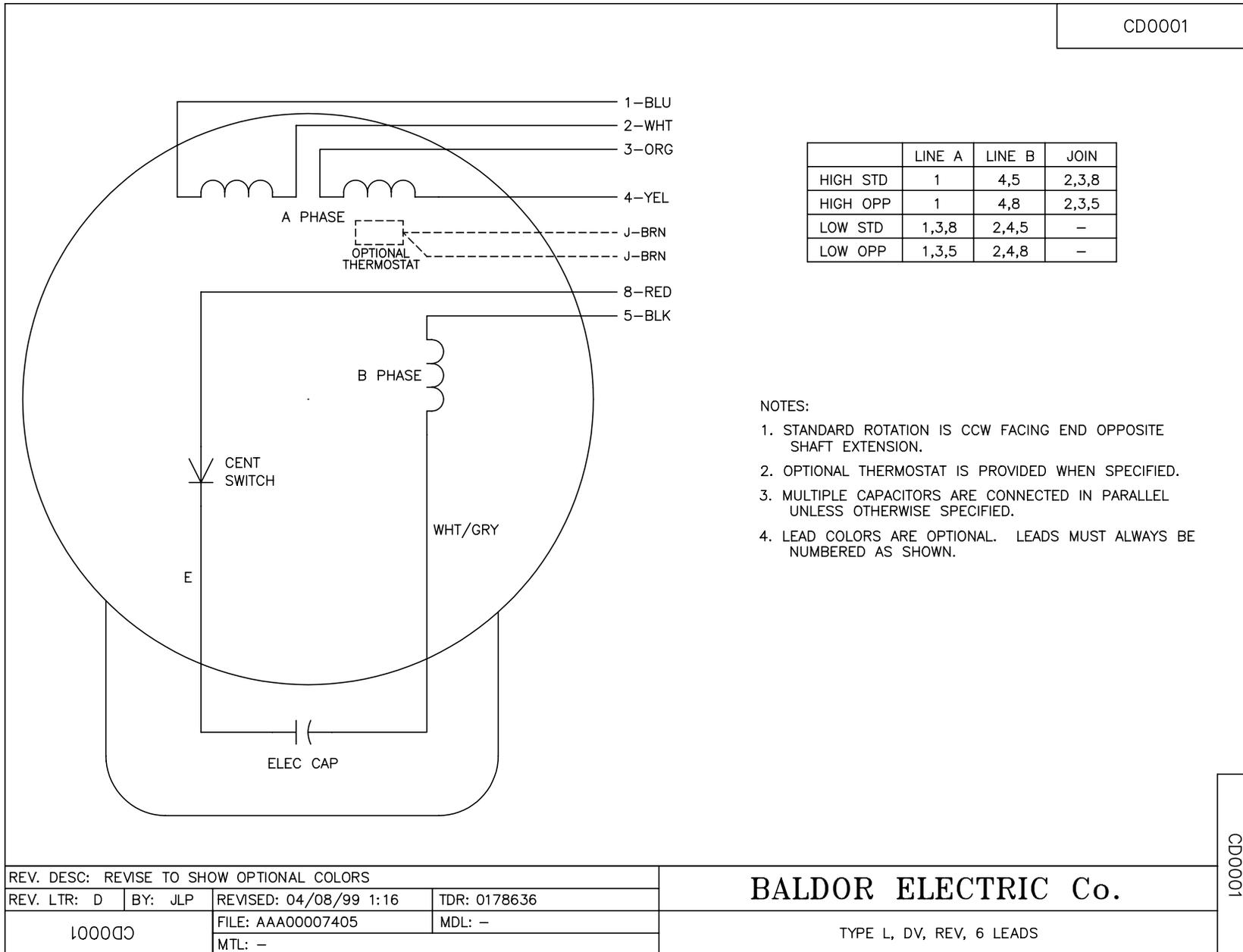
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	51	62	70	76	81	0
Efficiency	47.2	61.1	66.5	68.7	68.7	66.7	0
Speed	3561	3534	3500	3464	3421	3365	0
Line amperes	3.6	3.9	4.4	5	5.7	6.7	5.7

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0001



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.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS