

# **ABB BALDOR RELIANCE III**

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## **Customer information packet**

### CWDL3509

1HP, 3450RPM, 1PH, 60HZ, 56C, 3520L, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	56C
<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, Induction Run
<b>Output @ Frequency</b>	1.000 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	3600 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	115.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	UR CSA
<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>	11.800 A @ 115.0 V 5.900 A @ 230.0 V 6.100 A @ 208.0 V
<b>Design Code</b>	N
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	68.0 %
<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>	AQ
<b>Type</b>	AC
<b>Mech. spec.</b>	35T985
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGX964
<b>Layout</b>	35LYT985
<b>Eff. date</b>	07-31-2024
<b>CD Diagram</b>	CD0001
<b>Poles</b>	02
<b>Leads</b>	4#16 A PH,2#18 B PH
<b>Proprietary</b>	False
<b>Created date</b>	06-22-2007

High Voltage Full Load Amps	5.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.23 IN
Power Factor	82
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
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 2**

**None**

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**Nameplate**

<b>NP1496L</b>									
<b>CAT.NO.</b>	CWDL3509								
<b>SPEC.</b>	35T985X964G1								
<b>HP</b>	1								
<b>VOLTS</b>	115/230								
<b>AMP</b>	11.8/5.9								
<b>RPM</b>	3450								
<b>FRAME</b>	56C		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.25	<b>CODE</b>	K	<b>DES</b>	N	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	68	<b>PF</b>	82						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							
	SFA 14/7								

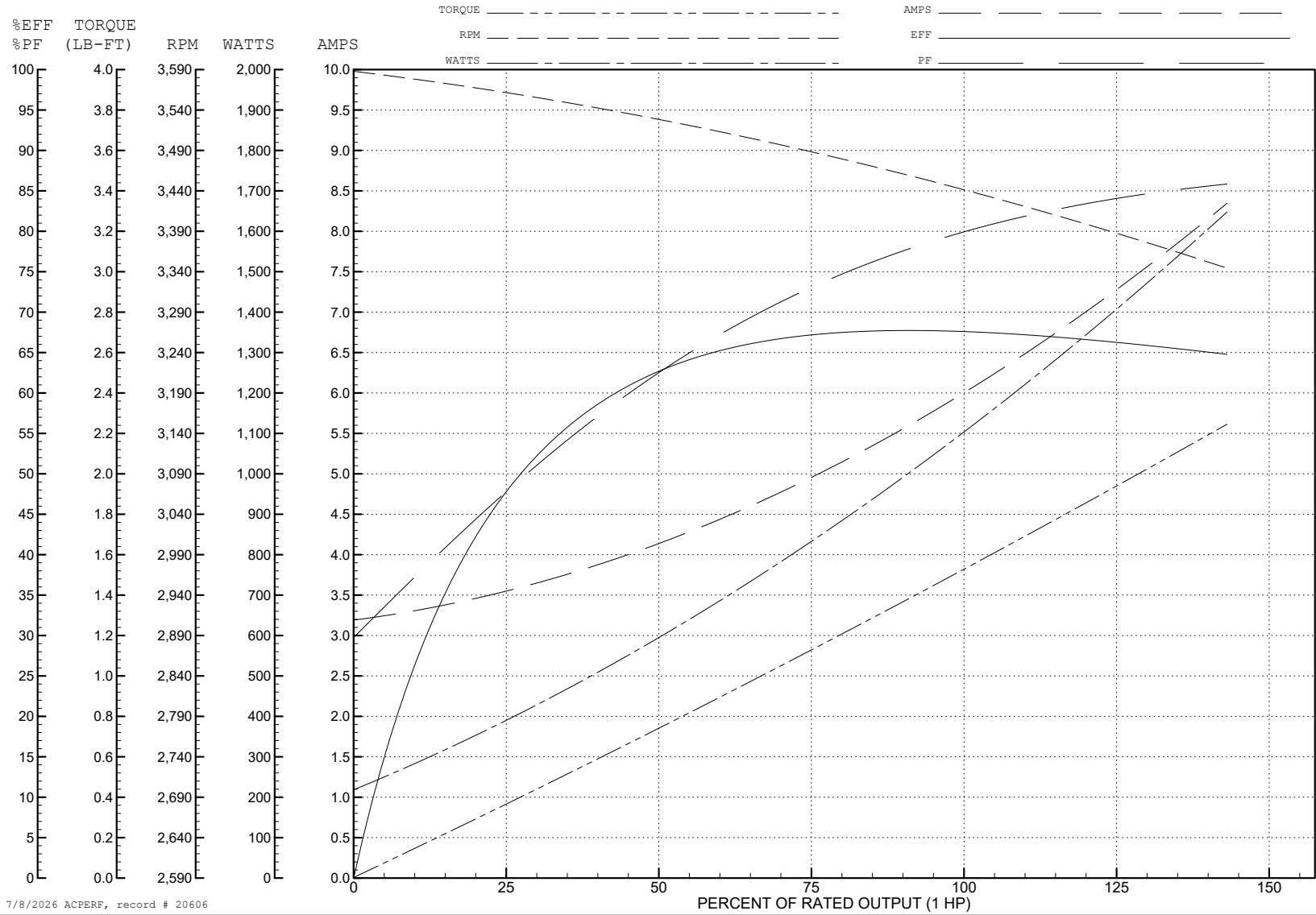
ABB Motors and Mechanical Inc.

WINDING # 35WGX964

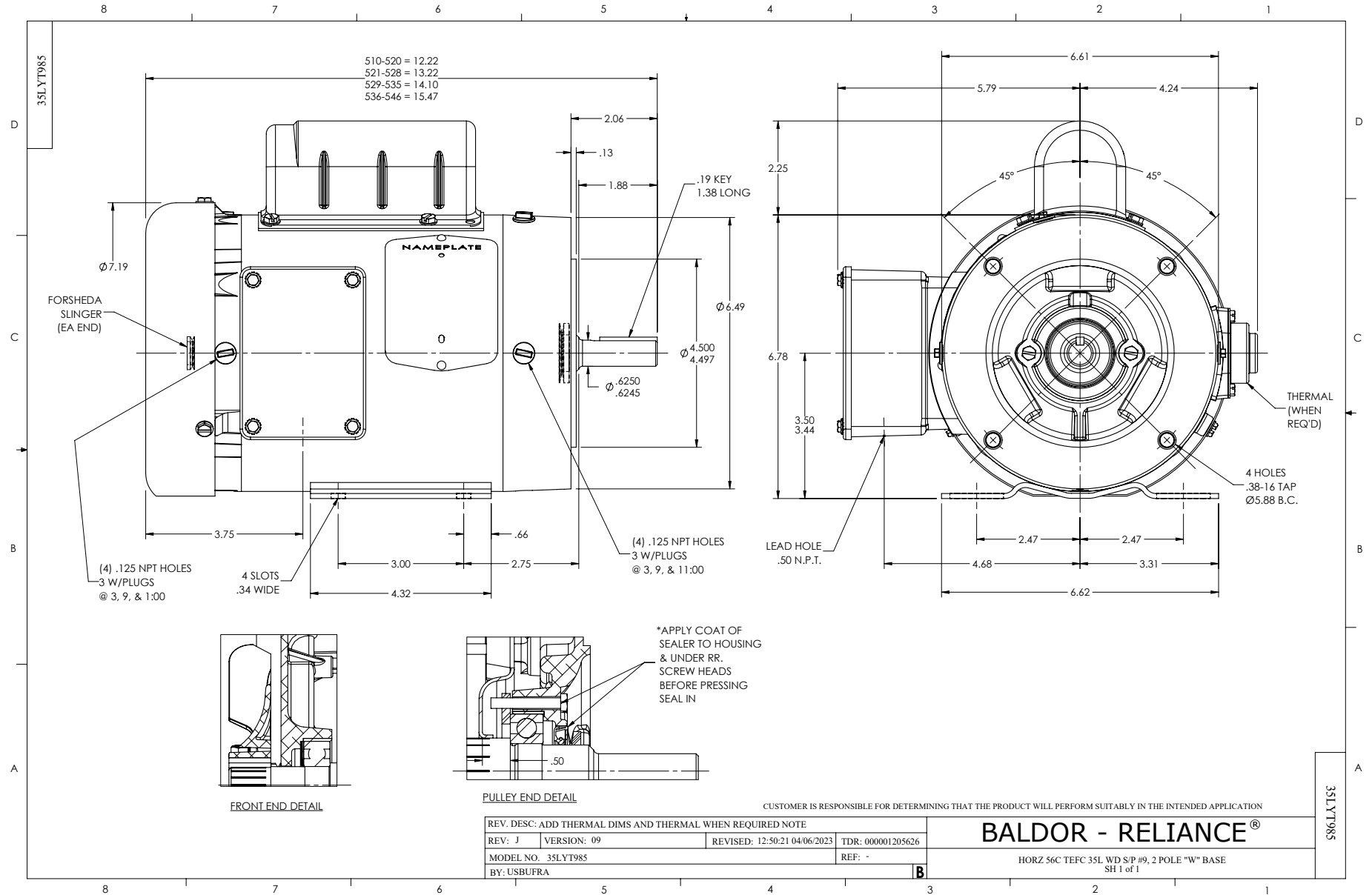
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 3450 RPM 230 V 3520L

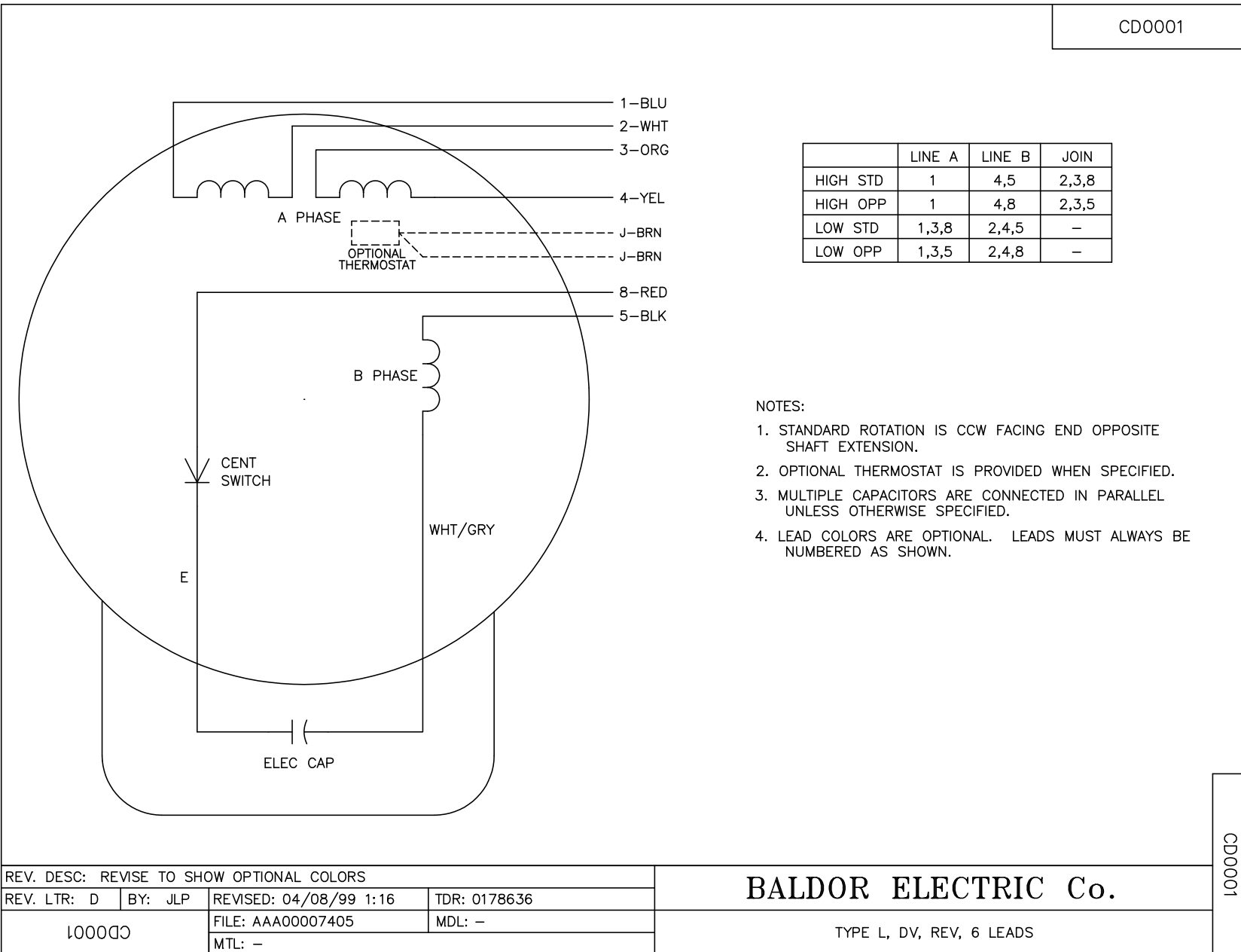
TORQUES (LB-FT): PO=4.25 PU=3.5 LR=4.75 LRA=38



7/8/2026 ACPERF, record # 20606



CD0001



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