

BALDOR® • RELIANCE

Product Information Packet

EMM3559

2.2KW,3450RPM,3PH,60HZ,D90L,3532M,TEFC,B

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532M	Elec. Spec:	35WGQ060	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35Q920	Layout:	35LYQ920
Frame:	D90L	Mounting:	B3	Poles:	02	Created Date:	09-16-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-08-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3386L

CAT.NO.	EMM3559									
SPEC.	35Q920Q060G1									
IEC FRAME	D90L				KW		2.2KW			
VOLTS	208-230/460									
AMP	7.9-7.2/3.6									
RPM	3450					ENCL		TEFC		
HZ	60				PH		3		CL	
SER.F.	1.15				DES		B		CODE	
NEMA-NOM-EFF	86.5			I.P.		44				
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V						
DE	6205			ODE		6203				
SER. #										

AC Induction Motor Performance Data

Record # 43364 - Typical performance - not guaranteed values

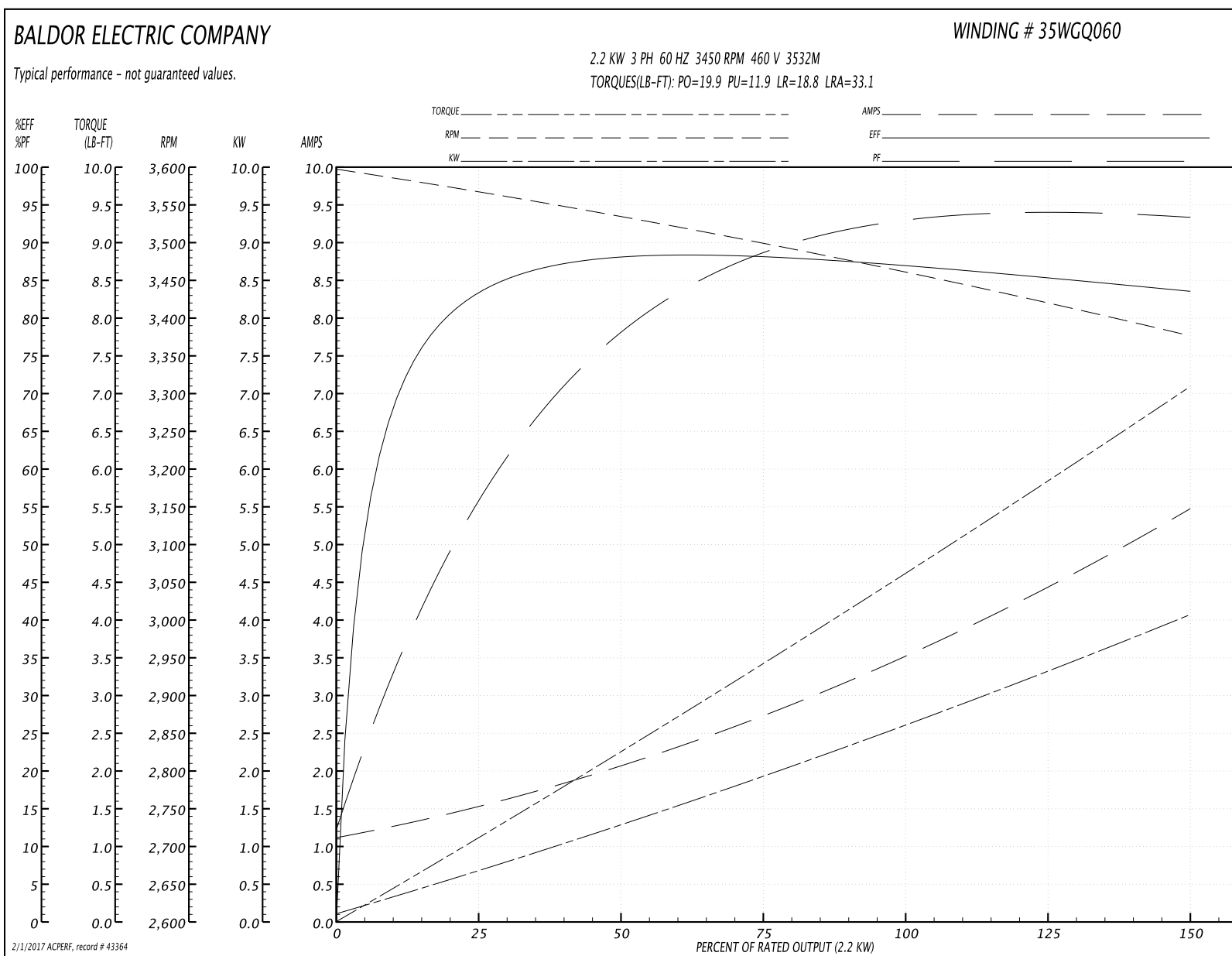
Winding: 35WGQ060-R010	Type: 3532M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	2.2			Full Load Torque	4.61 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	7.9-7.2/3.6			Breakdown Torque	19.9 LB-FT
R.P.M.	3450			Pull-up Torque	11.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.8 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	33.1 A
Service Factor (S.F.)	1.15			No-load Current	1.17 A
NEMA Nom. Eff.	86.5	Power Factor	92	Line-line Res. @ 25°C	4.7916 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C

Load Characteristics 460 V, 60 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	81	88	92	93	94	93
Efficiency	83.7	87.9	88.2	87.2	85.6	83.5	86.2
Speed	3562.2	3530.9	3497.8	3462.5	3420.8	3375.4	3437
Line amperes	1.5	2.08	2.79	3.57	4.46	5.44	4.1

Performance Graph at 460V, 60Hz, 2.2KW Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 50640 - Typical performance - not guaranteed values

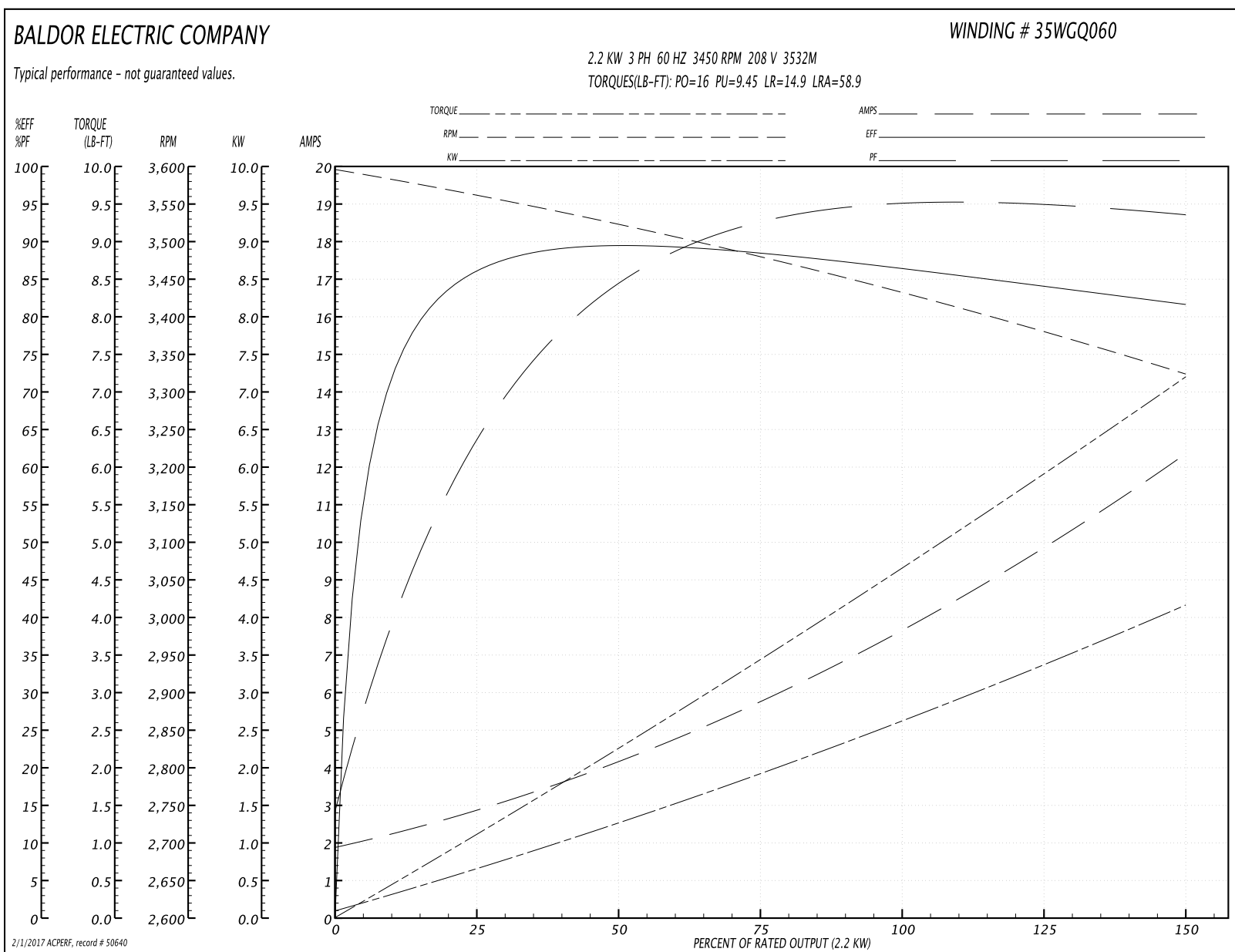
Winding: 35WGQ060-R010	Type: 3532M	Enclosure: TEFC
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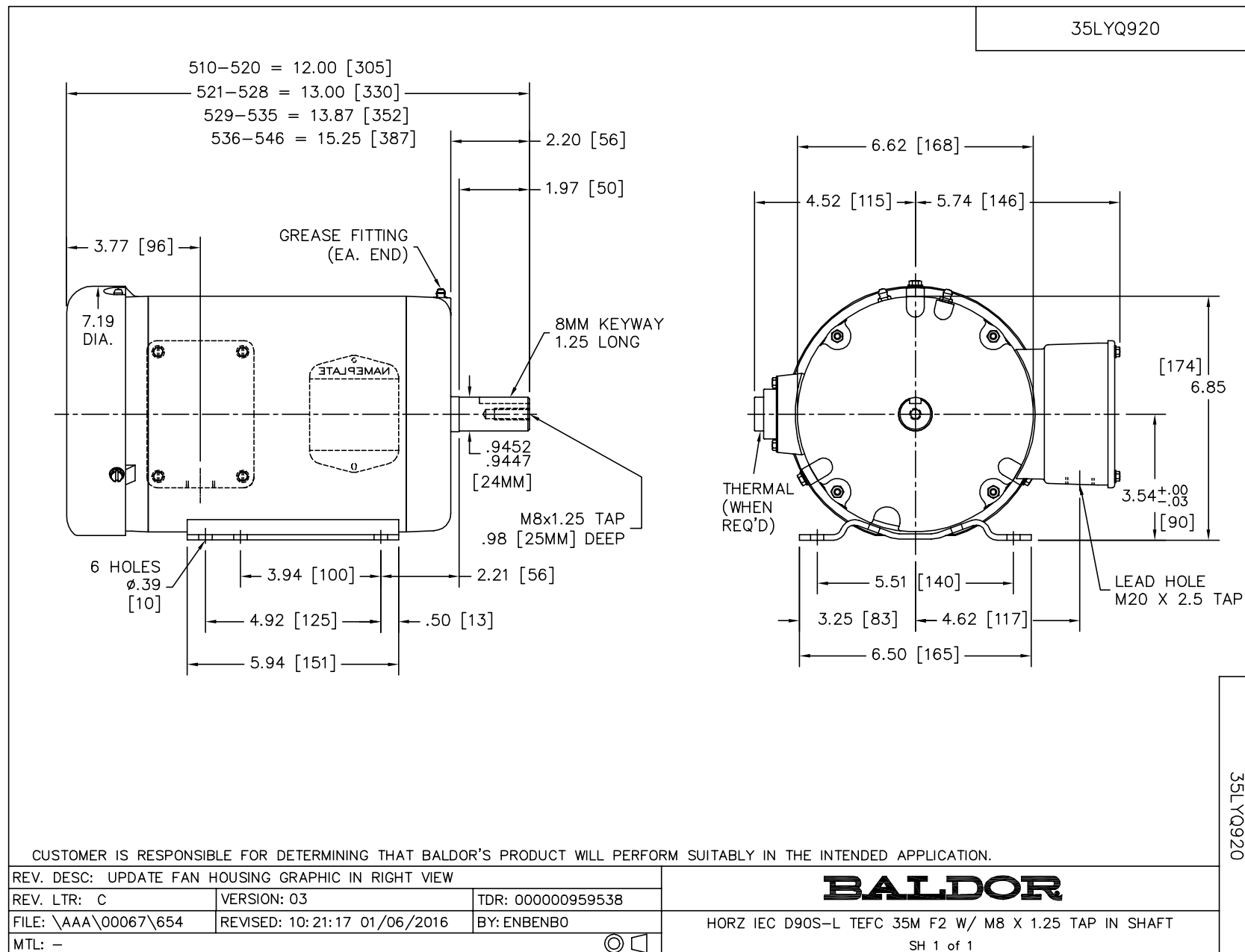
Nameplate Data				208 V, 60 Hz: Low Voltage Connection	
Rated Output (KW)	2.2			Full Load Torque	4.65 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	7.9-7.2/3.6			Breakdown Torque	16 LB-FT
R.P.M.	3450			Pull-up Torque	9.45 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.9 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	58.9 A
Service Factor (S.F.)	1.15			No-load Current	1.99 A
NEMA Nom. Eff.	86.5	Power Factor	92	Line-line Res. @ 25°C	1.17 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C
				Locked-rotor Power Factor	46.4
				Rotor inertia	0.0885 LB-FT ²

Load Characteristics 208 V, 60 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	71	87	92	94	95	94	95
Efficiency	86	89.1	88.4	86.7	84.4	81.5	85.3
Speed	3556	3518	3478	3434	3382	3322	3403
Line amperes	2.81	4.22	5.91	7.76	9.87	12.3	9.03

Performance Graph at 208V, 60Hz, 2.2KW Typical performance - Not guaranteed values

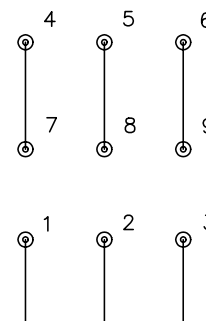




CD0005


 LOW VOLTAGE
(2Y)


LINE

 HIGH VOLTAGE
(1Y)


LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005