ABB BALDOR RELIANCE

Customer information packet

KENM3534

.33HP, 1780RPM, 3PH, 60HZ, 56C, 3512M, TENV, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.700 A @ 230.0 V
	1.500 A @ 208.0 V
	.850 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.9 a
Insulation Class	F

Part Detail

Revision	E
Type	AC
Mech. spec.	35E010
Base	
Status	PRD/A
Elec. spec.	35WGG155
Layout	35LYE010
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-10-2022

Inverter Code	Inverter Ready
KVA Code	S
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3512M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.06 IN
Power Factor	49
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 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

NP2116L											
CAT.NO.	KENM3534										
SPEC.	35E010G155G2										
HP	.33										
VOLTS	230/460										
AMP	1.7/.85										
RPM	1780										
FRAME	56C		**HZ**	60		**PH**	3				
SER.F.	1.15	**CODE**	S	**DES**	B	**CL**	F				
NEMA-NOM-EFF	75.5	**PF**	49								
RATING	40C AMB-CONT										
CC											
DE	6205	**ODE**	6203								
ENCL	TENV	**SN**									
	SFA 1.8/.9										

Parts List

Part number	Description	Quantity
SA401836	SA 35E010G155G2	1.000 ea
RA393099	RA 35E010G155G2	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122F00	MASTER ODE,203 BRG,#26 DRN	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP2116L	ALUM SUPER-E UL CC	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
PK3082	STYROFOAM CRADLE	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data
Record # 82225
Typical performance - not guaranteed values

Winding: 35WGG155-R016	**Type:** 3512M	**Enclosure:** TENV

Nameplate Data			
Rated Output (HP)			.33
Volts			230/460
Full Load Amps			1.7/.85
R.P.M.			1780
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	S
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	75.5	**Power Factor**	49
Rating - Duty			40C AMB-CONT
S.F. Amps			1.8/.9

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	0.977 LB-FT
Start Configuration	direct on line
Breakdown Torque	6.28 LB-FT
Pull-up Torque	3.26 LB-FT
Locked-rotor Torque	4.04 LB-FT
Starting Current	6.71 A
No-load Current	0.792 A
Line-line Res. @ 25ºC	43.2 Ω
Temp. Rise @ Rated Load	49°C
Temp. Rise @ S.F. Load	52°C
Locked-rotor Power Factor	70.8
Rotor inertia	0.0866 lb-ft²

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	22	31	41	49	57	63	54
Efficiency	47.4	63.1	70.8	75.1	77.6	79.1	76.6
Speed	1794	1789	1785	1780	1774	1769	1776
Line amperes	0.786	0.791	0.814	0.839	0.878	0.933	0.862

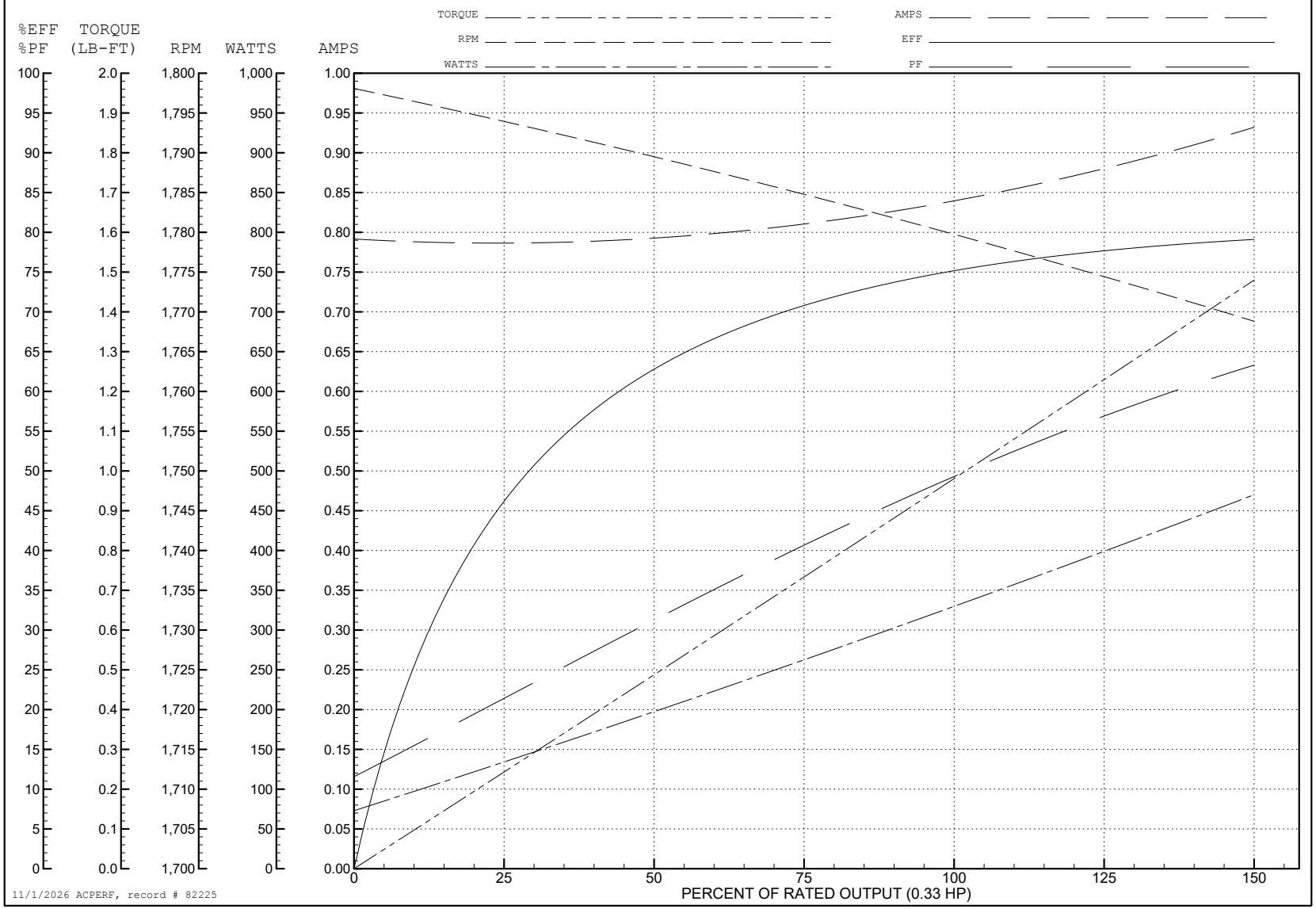
ABB Motors and Mechanical Inc.

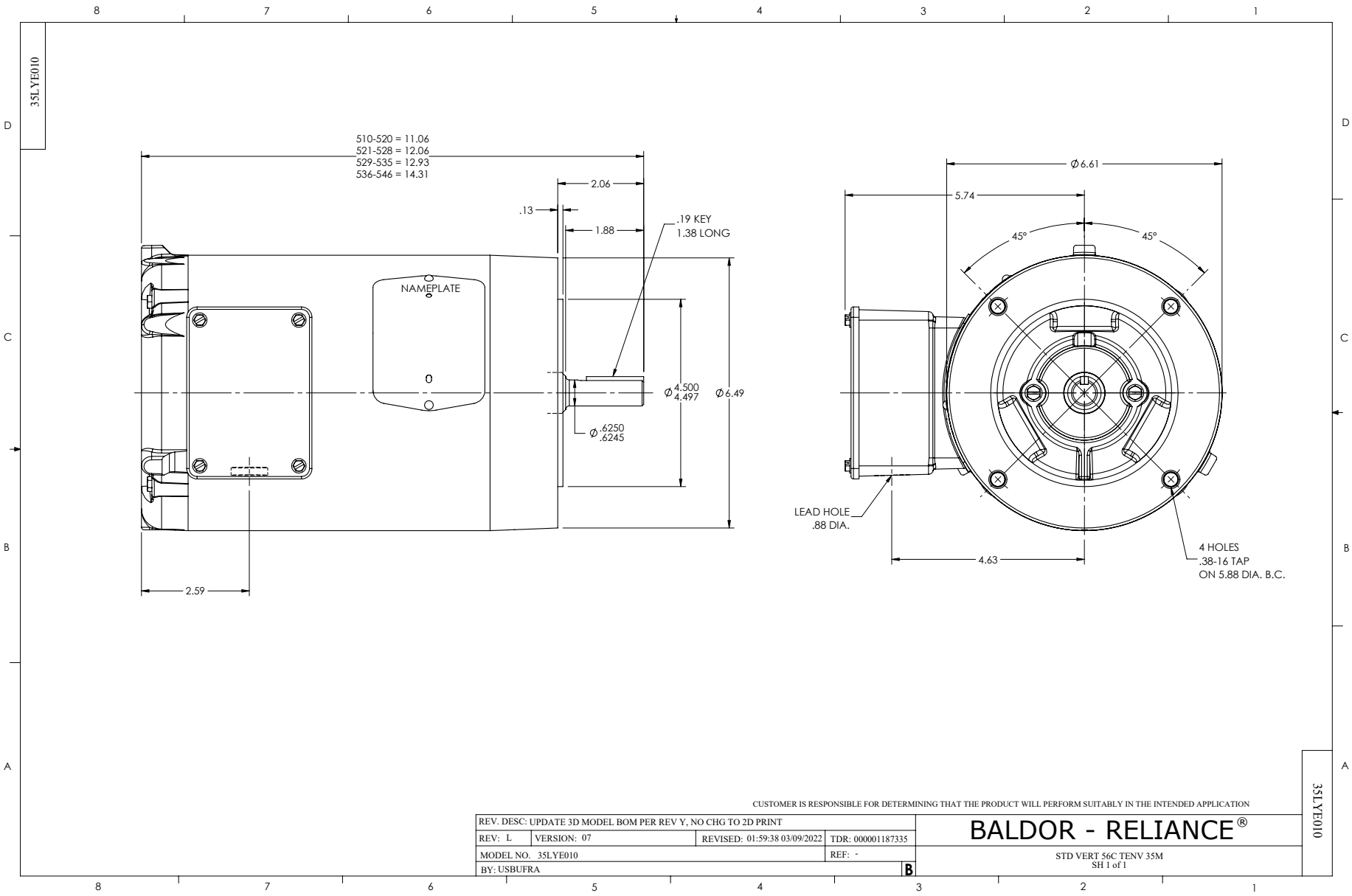
WINDING # 35WGG155

0.33 HP 3 PH 60 HZ 1780 RPM 460 V 3512M

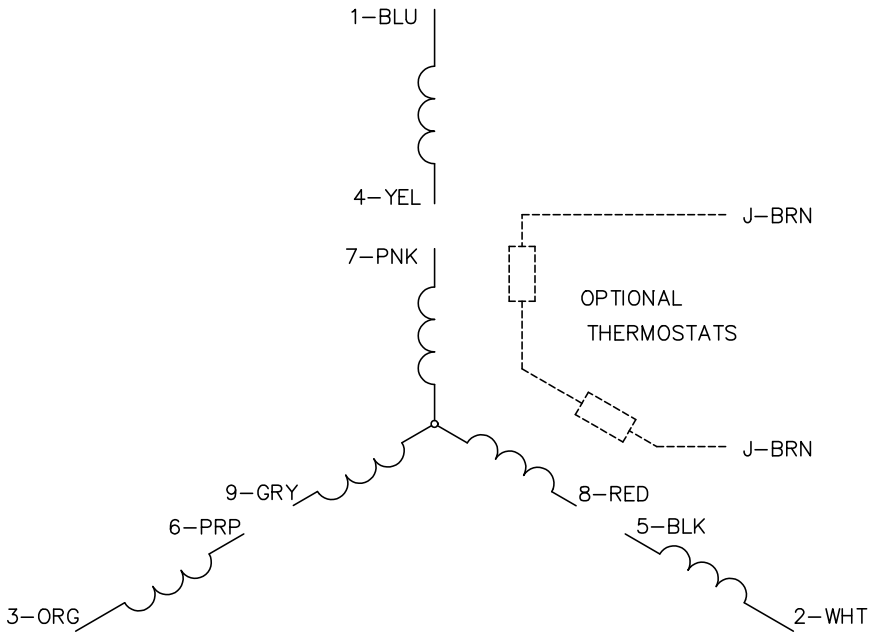
Typical performance - not guaranteed values.

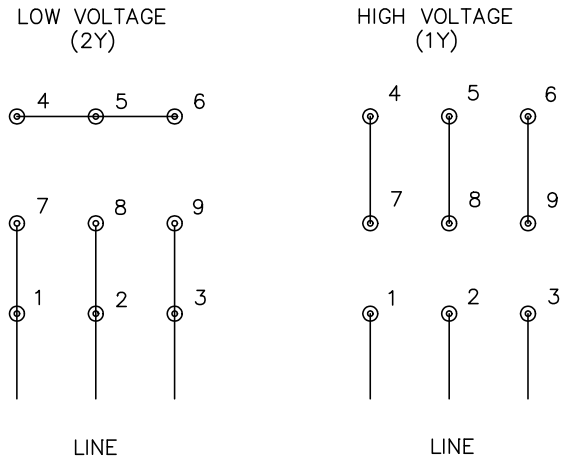
TORQUES(LB-FT): PO=6.28 PU=3.26 LR=4.04 LRA=6.71




35LYE010
510-520 = 11.06
521-528 = 12.06
529-535 = 12.93
536-546 = 14.31
2.06
.13
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø 4.500
4.497
Ø 6.49
Ø .6250
.6245
2.59
Ø 6.61
5.74
45°
45°
LEAD HOLE
.88 DIA.
4.63
4 HOLES
.38-16 TAP
ON 5.88 DIA. B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV Y, NO CHG TO 2D PRINT
REV: L
VERSION: 07
REVISED: 01:59:38 03/09/2022
TDR: 000001187335
MODEL NO. 35LYE010
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD VERT 56C TENV 35M
SH 1 of 1
35LYE010

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS