BALDOR • RELIANCE

Paquete de información de producto

CM3710TX

7.5HP,1770RPM,3PH,60HZ,213TC,3732M,TEFC

Detalle producto

Revisión:	N	**Estado:**	PRD/A	**Núm. cambio:**		**Propietario:**	No
Tipo:	AC	**Spec elec.:**	37WGS150	**Diagrama Conexión:**	CD0005	**Planta fabr.:**	
Spec Mec.:	37G814	**Diseño:**	37LYG814	**Polos:**	04	**Fecha de creación:**	01-30-2011
Base:	RG	**Efec. Fecha:**	07-03-2019	**Cables:**	9#14		

Specs

Catalog Number:	CM3710TX	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	213TC	**KVA Code:**	K
Frame Material:	Steel	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 14 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	460.0 V @ 60 HZ	**Motor Type:**	3732M
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	77
Agency Approvals:	UR	**Product Family:**	General Purpose
	CSA	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	C-Face
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	Rigid	**Rodent Screen:**	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	**RoHS Status:**	ROHS COMPLIANT
Blower:	None	**Shaft Extension Location:**	Pulley End

Current @ Voltage:	10.100 A @ 460.0 V	**Shaft Ground Indicator:**	No Shaft Grounding
	20.200 A @ 230.0 V	**Shaft Rotation:**	Reversible
	22.000 A @ 208.0 V	**Shaft Slinger Indicator:**	No Slinger
Design Code:	A	**Speed Code:**	Single Speed
Drip Cover:	No Drip Cover	**Motor Standards:**	NEMA
Duty Rating:	CONT	**Starting Method:**	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Bearing:**	None
Feedback Device:	NO FEEDBACK	**Thermal Device - Winding:**	None
Front Face Code:	Standard	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Shaft Indicator:	None	**Winding Thermal 1:**	None
Heater Indicator:	No Heater	**Winding Thermal 2:**	None

Placa NP1256L

CAT.NO.	CM3710TX								
SPEC.	37G814S150H3								
HP	7.5								
VOLTS	208-230/460								
AMP	22-20.2/10.1								
RPM	1770								
FRAME	213TC		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	A		**CLASS**	F	
NEMA-NOM-EFF	89.5	**PF**	77						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**			
DE	6307		**ODE**	6206					
ENCL	TEFC	**SN**							
	NOT FOR USE IN USA								

Lista de partes

Núm. parte	Descripción	Cantidad
SA216580	SA 37G814S150H3	1.000 EA
RA203768	RA 37G814S150H3	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	CAJA CONEXIONES ARM 213-5T	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01	FR ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE3300A01	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Lista de partes (cont.)

Núm. parte	Descripción	Cantidad
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA

AC Induction Motor Performance Data
Record # 22653
Typical performance - not guaranteed values

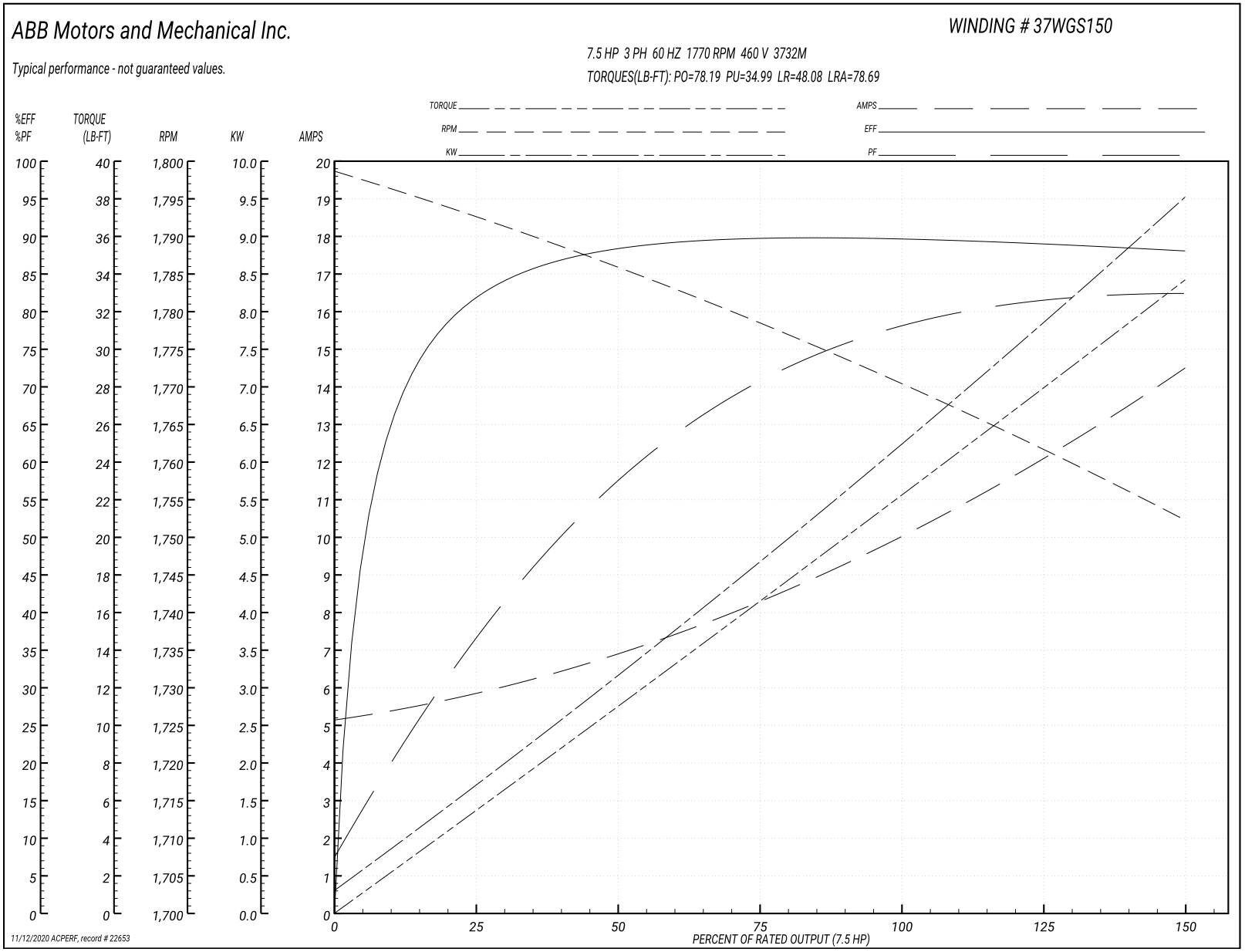
Winding: 37WGS150-R001	**Type:** 3732M	**Enclosure:** TEFC

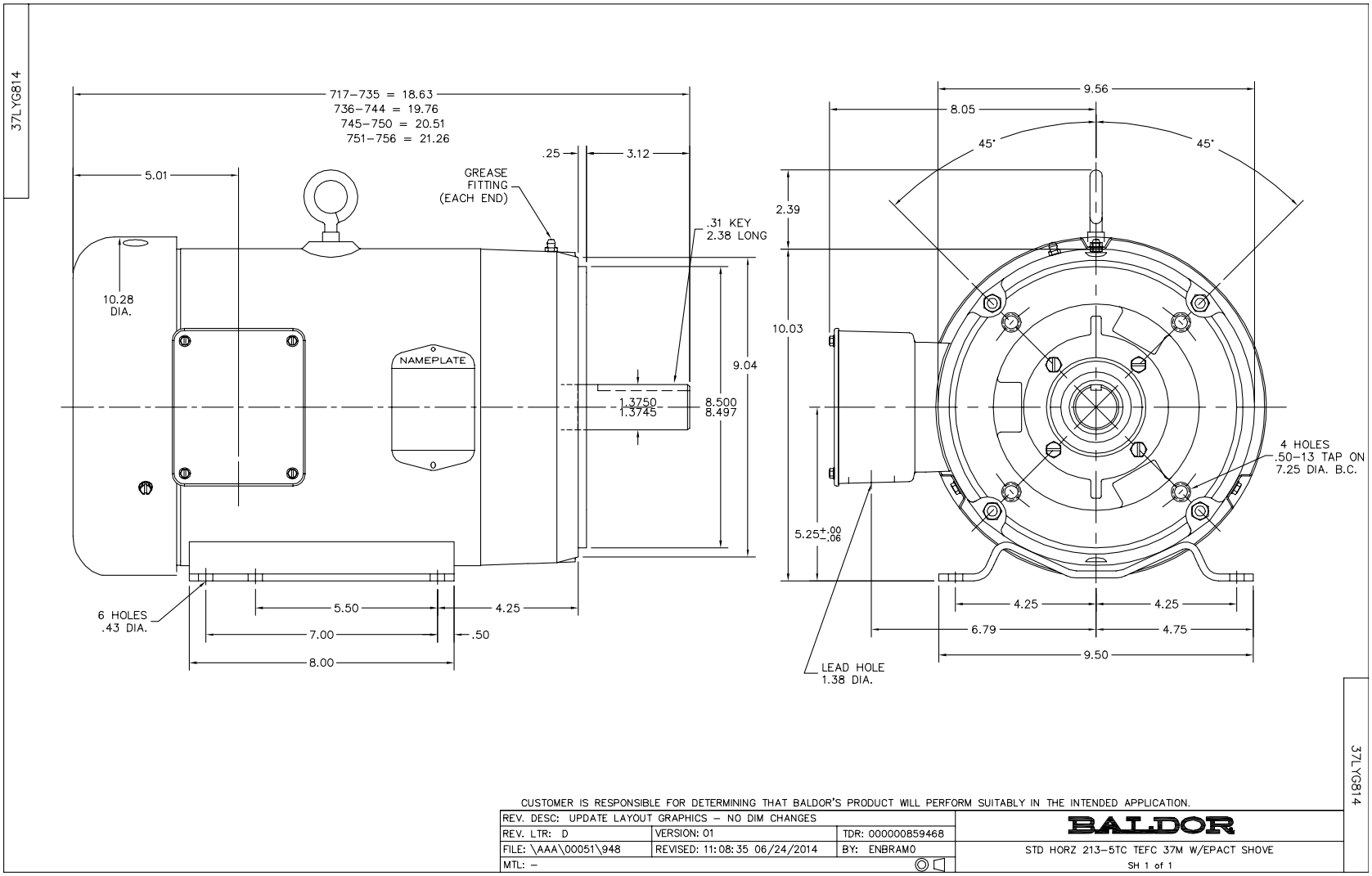
Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		7.5	**Full Load Torque**	22.14 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		22-20.2/10.1	**Breakdown Torque**	78.19 LB-FT
R.P.M.		1770	**Pull-up Torque**	34.99 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	48.08 LB-FT
NEMA Design Code	A **KVA Code**	K	**Starting Current**	78.69 A
Service Factor (S.F.)		1.15	**No-load Current**	5.26 A
NEMA Nom. Eff.	89.5 **Power Factor**	77	**Line-line Res. @ 25ºC**	1.39 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	69°C
S.F. Amps			**Temp. Rise @ S.F. Load**	81°C
			Locked-rotor Power Factor	38.8
			Rotor inertia	0.787 LB-FT2

Load Characteristics 460 V, 60 Hz, 7.5 HP

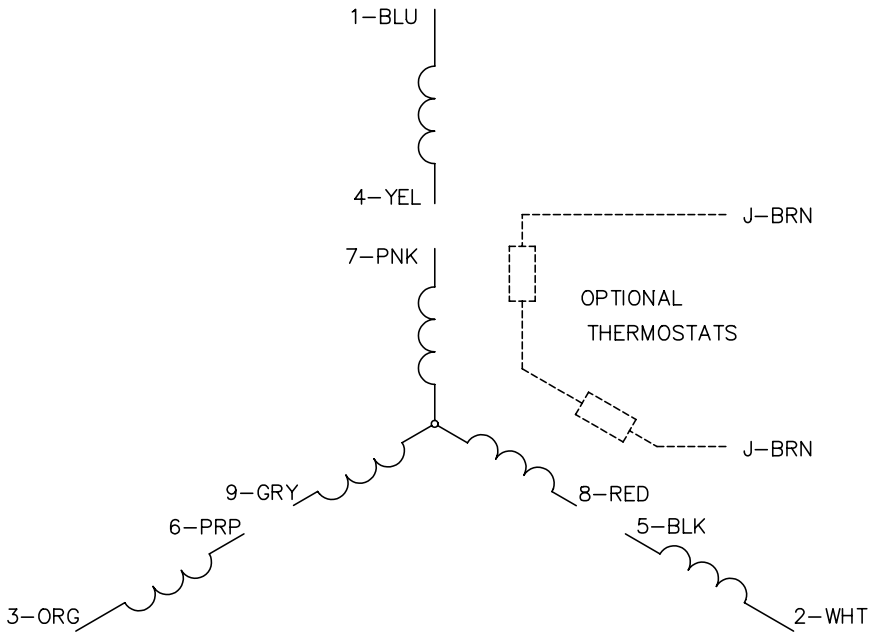
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	71	77	81	83	79
Efficiency	81.5	88.2	89.6	90	88.8	88	89.4
Speed	1792	1786	1778	1771	1762	1752	1765
Line amperes	5.74	6.79	8.35	10.08	12.2	14.39	11.4

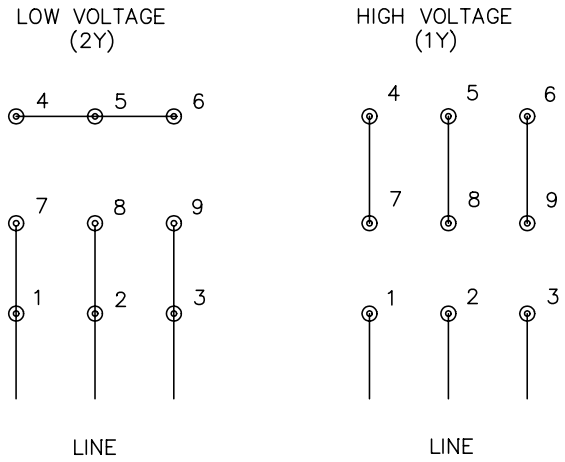
Gráfica de desempeño 460V, 60Hz, 7.5HP Desempeño típico - Sin valores garantizados




37LYG814
717–735 = 18.63
736–744 = 19.76
745–750 = 20.51
751–756 = 21.26
.25
3.12
5.01
GREASE FITTING (EACH END)
.31 KEY
2.38 LONG
10.28 DIA.
NAMEPLATE
9.04
1.3750
1.3745
8.500
8.497
6 HOLES .43 DIA.
5.50
4.25
7.00
.50
8.00
9.56
8.05
45°
45°
2.39
10.03
4 HOLES .50–13 TAP ON 7.25 DIA. B.C.
5.25 +.00 −.06
4.25
4.25
6.79
4.75
9.50
LEAD HOLE 1.38 DIA.
37LYG814
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATE LAYOUT GRAPHICS – NO DIM CHANGES
REV. LTR: D
VERSION: 01
TDR: 000000859468
FILE: \AAA\00051\948
REVISED: 11:08:35 06/24/2014
BY: ENBRAM0
MTL: –
BALDOR
STD HORZ 213–5TC TEFC 37M W/EPACT SHOVE
SH 1 of 1

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