BALDOR • RELIANCE

Product Information Packet

CEM3665T

5HP,1755RPM,3PH,60HZ,184TC,0642M,TEFC,F1

Part Detail

Revision:	M	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	06WGX182	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	06F057	**Layout:**	06LYF057	**Poles:**	04	**Created Date:**	08-03-2010
Base:	RG	**Eff. Date:**	07-19-2017	**Leads:**	9#16		

Specs

Catalog Number:	CEM3665T	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	F
Frame:	184TC	**Inverter Code:**	Not Inverter
Frame Material:	Iron	**KVA Code:**	J
Output @ Frequency:	5.000 HP @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 16 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
XP Class and Group:	None	**Motor Lead Termination:**	Flying Leads
XP Division:	Not Applicable	**Motor Type:**	0642M
Agency Approvals:	UR	**Mounting Arrangement:**	F1
	CSA EEV	**Power Factor:**	79
	CSA	**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:	Rigid	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End

Current @ Voltage:	13.200 A @ 230.0 V
	14.000 A @ 208.0 V
	6.600 A @ 460.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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 NP3441LUA

CAT.NO.	CEM3665T							
SPEC	06F057X182G1							
HP	5							
VOLTS	230/460							
AMPS	13.2/6.6							
RPM	1750							
FRAME	184TC	**HZ**	60			**PH**	3	
SF	1.15	**CODE**	J	**DES**	B	**CLASS**	F	
NEMA NOM. EFF	89.5	**PF**	79					
RATING	40C AMB-CONT							
CC	010A			**USABLE AT 208V**	14			
ENCL	TEFC	**SER**						
DE	6206	**ODE**	6205					
VPWM INVERTER READY								
CT6-60H(10:1)VT3-60H(20:1								
	50Hz 5HP 190/380V 15.8/7.9A							SF1.0

Parts List

Part Number	Description	Quantity
SA200776	SA 06F057X182G1	1.000 EA
RA188089	RA 06F057X182G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36FE1101A21	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1300A13	PU ENDPLATE, FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A31	IEC FH W/GREASER & SPL NOTCH, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA

Parts List (continued)

Part Number	Description	Quantity
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.028 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL CSA-EEV C	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 34381 - Typical performance - not guaranteed values

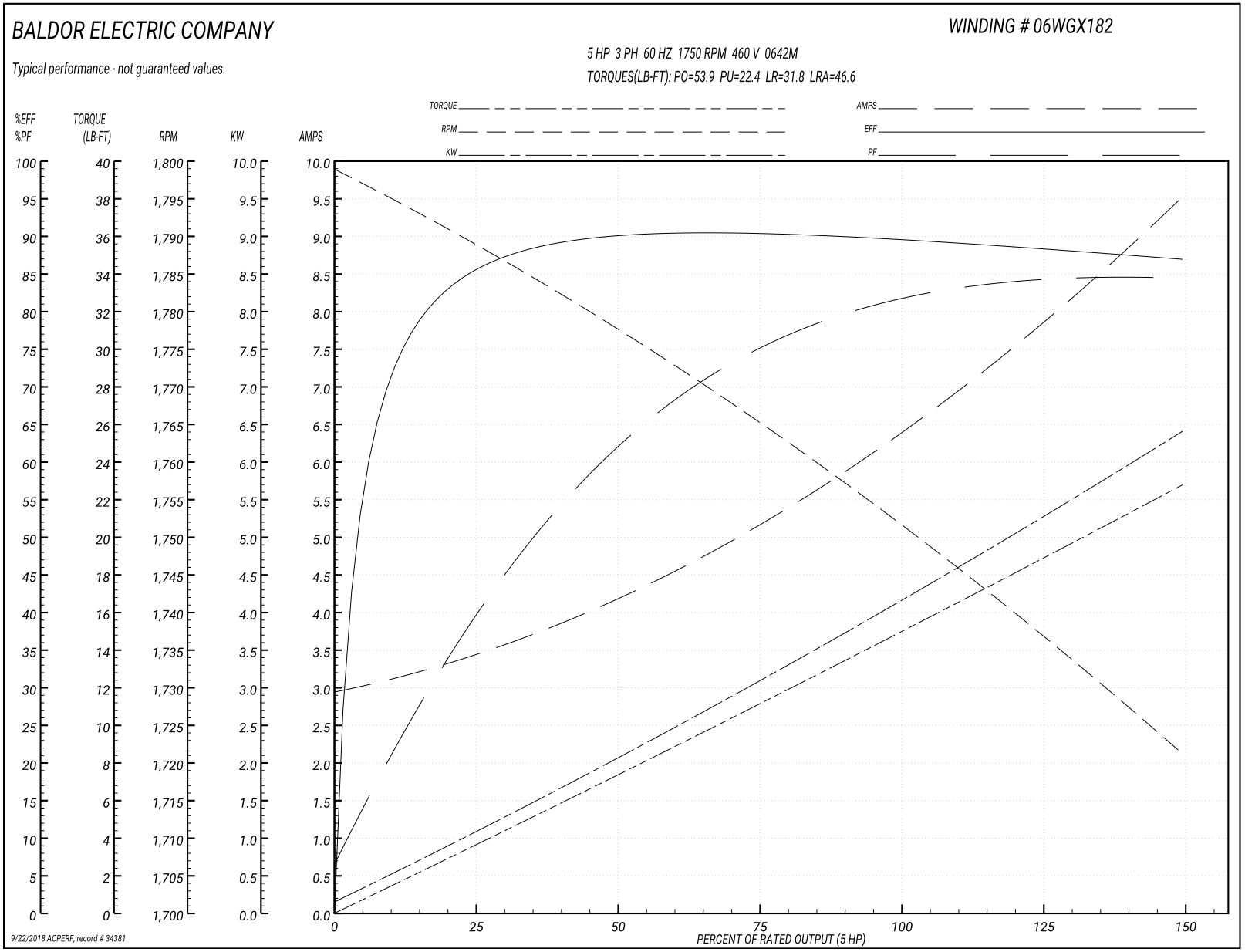
Winding: 06WGX182-R004	**Type:** 0642M	**Enclosure:** TEFC

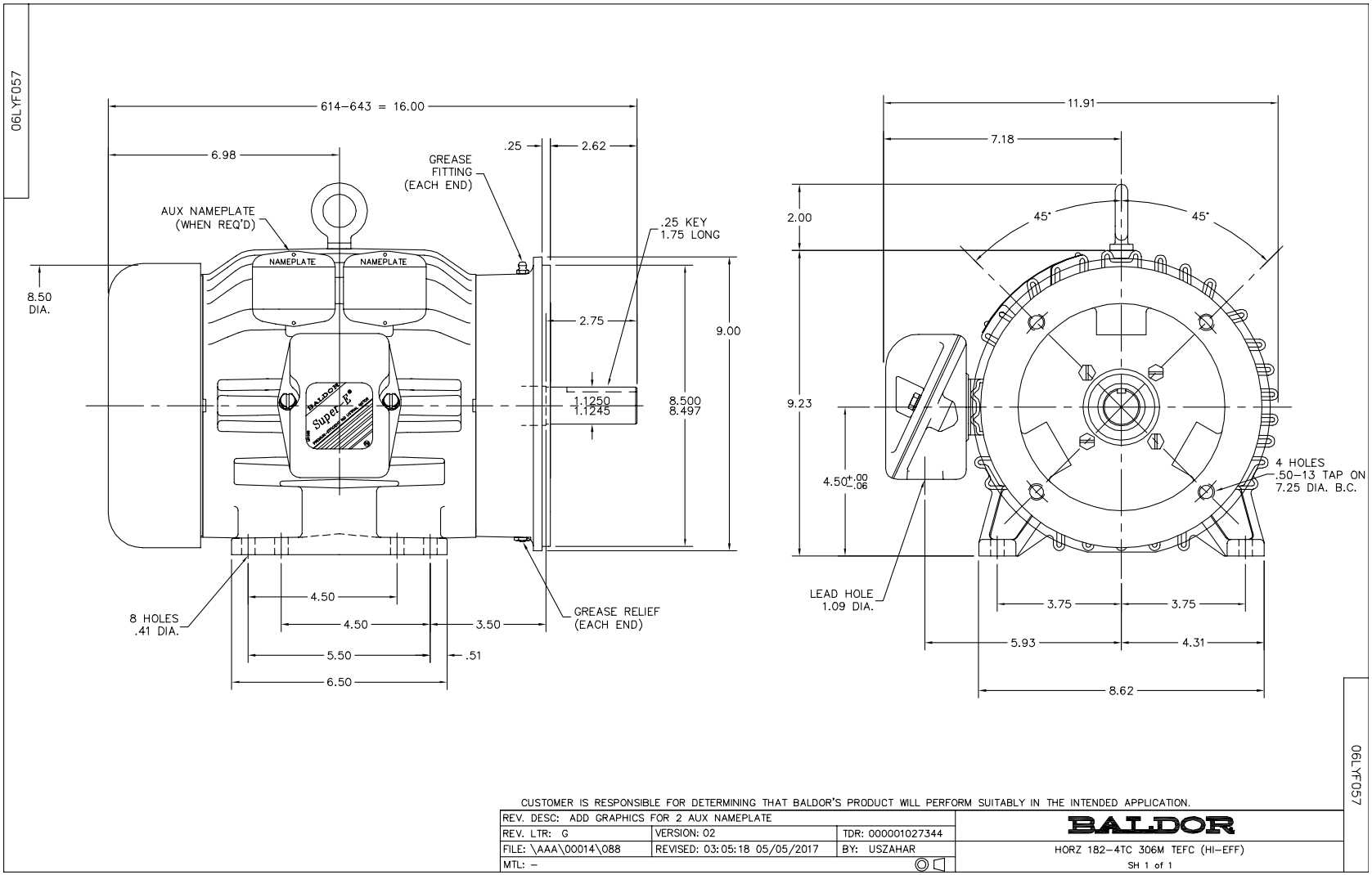
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13.2/6			Breakdown Torque	53.9 LB-FT
R.P.M.	1750			Pull-up Torque	22.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	31.8 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	46.6 A
Service Factor (S.F.)	1.15			No-load Current	3.02 A
NEMA Nom. Eff.	89.5	Power Factor	79	Line-line Res. @ 25ºC	2.63 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	53°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	40.5
				Rotor inertia	0.391 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

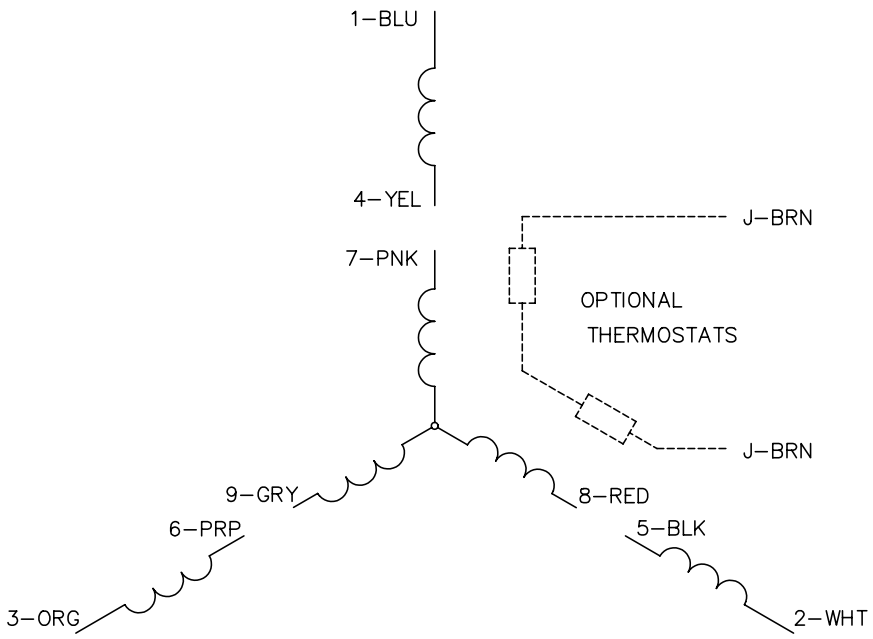
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	81	84	85	81
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9	88.7
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.52

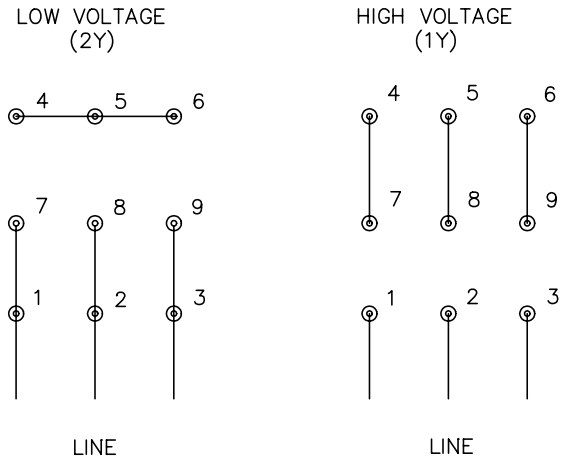
Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values




06LYF057
614-643 = 16.00
6.98
.25
2.62
GREASE FITTING (EACH END)
AUX NAMEPLATE (WHEN REQ'D)
.25 KEY 1.75 LONG
NAMEPLATE
NAMEPLATE
8.50 DIA.
2.75
9.00
1.1250
1.1245
8.500
8.497
4.50
4.50
3.50
5.50
.51
6.50
8 HOLES .41 DIA.
GREASE RELIEF (EACH END)
11.91
7.18
2.00
45°
45°
9.23
4.50 +.00 -.06
4 HOLES .50-13 TAP ON 7.25 DIA. B.C.
LEAD HOLE 1.09 DIA.
3.75
3.75
5.93
4.31
8.62
06LYF057
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: ADD GRAPHICS FOR 2 AUX NAMEPLATE
REV. LTR: G
VERSION: 02
TDR: 000001027344
FILE: \AAA\00014\088
REVISED: 03:05:18 05/05/2017
BY: USZAHAR
MTL: –
BALDOR
HORZ 182-4TC 306M TEFC (HI-EFF)
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