



Customer information packet 7306

.5HP, 1800RPM, 1PH, 60HZ, 3420C, GRND

Specifications

Frequency	60.00 Hz
Nameplate Output	.5
Number of Poles	4
Phase	1
Product Style	GRINDER
Speed	1800 rpm
Voltage	115 V
	230 V

Part detail

Revision	AU
Type	AC
Mech. spec.	G7-306
Base	
Status	PRD/A
Elec. spec.	G7WG0385
Layout	G7LY0306
Eff. date	06-23-2023
CD Diagram	CD0121
Poles	04
Leads	4#18
Proprietary	False
Created date	01-01-0001

Nameplate

NP3118			
CAT.NO.	7306		
HP	.5	VOLTS	115/230
PHASE	1	AMPS	3.8/1.9
HZ	60	RPM	1800
SER.NO			
SPEC.	G7-306-385		

Parts list

Part number	Description	Quantity
SA004985	SA G7-306-385	1.000 ea
RA002335	RA G7-306-385	1.000 ea
OC3008F12SP	CYL OIL CAP 8MFD/370V	1.000 ea
G7BA3000	G7-286 BASE DIE CAST	1.000 ea
LD5001A07	CORD & PLUG ASSY 18-3 SJT .33 DIA. 10 AM	1.000 ea
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 ea
SP9000SP	80600BJ A-H OR 1520237-2 TYCO;2PST,125/2	1.000 ea
HA3205A50	U550-N SWITCH NUT/CARLING	1.000 ea
HW1003A50	LOCKWASHER,1/2",EXT.TOOTHZINC PLATED	1.000 ea
WD1000A22	41473 AMP TERM. (15M/REEL)	4.000 ea
G7CB4500	BASE COVER PLATE 7" GRINDER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 ea
RM1005A01SP	BUMPER- #2089 (R-R CO)	4.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	2.000 ea
G7EP3900A01	ENDPLATE, MACH	1.000 ea
G7EP3900A01	ENDPLATE, MACH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
G7FH1800A01GSP	GRINDER GUARD, MACH	1.000 ea
G7FH1801A01	GRINDER GUARD COVER, MACH	1.000 ea
10XF2520A16	SCREW, HEX HD, ZN	3.000 ea
10XN2520A16	1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED	4.000 ea
HA6096A01SP	WHEEL FLANGE, MACH	4.000 ea
HA2040A01SP	SPACER,CRST(WELKER#824500	2.000 ea
HW3021C04	SPRG PIN 3/32 DIA .375LGH DRIV-LOK	2.000 ea
G7AP3000A02	WHEEL, 7 X 1 X 60 GRIT B74 X	1.000 ea
G7AP3000A01	WHEEL, 7 X 1 X 36 GRIT B73 X	1.000 ea
XY6311A12SP	HEX NUT 5/8-11	1.000 ea
XY6311A62	5/8-11 NUT L.H. HEX (NC)X (F/S)	1.000 ea
G7FH1802A01GSP	GRINDER GUARD, MACH	1.000 ea
G7FH1803A01GSP	GRINDER GUARD COVER, MACH	1.000 ea

10XF2520A16	SCREW, HEX HD, ZN	3.000 ea
10XN2520A16	1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED	4.000 ea
G6AP1008A01SP	TOOLREST, MACH/PRIMED	1.000 ea
HA6064A01SP	PAINT/PRIME HA6064A01	1.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW1000A25	1/4 SAE FLAT WASHER (FS)	2.000 ea
G6AP1008A01SP	TOOLREST, MACH/PRIMED	1.000 ea
HA6064A01SP	PAINT/PRIME HA6064A01	1.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW1000A25	1/4 SAE FLAT WASHER (FS)	2.000 ea
G6AP1002A01	SPARK BREAKER-6",7" & 8" GRINDERS	2.000 ea
10XN3118A10	5/16-18 X 5/8 HEX HEAD CAP	2.000 ea
HW1000A31	5/16 SAE FL WSHR NARROW, ID=.344, OD=.62	2.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 ea
HA6053A01ZP	CLAMP, CAPACITOR 2" DIA, WHITE ZINC PLAT	1.000 ea
51XN1032A07	10-32 X 0.438 HX WS SL SR ZN	2.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	2.000 ea
G7AP5001A01	EYE SHIELD ASSEM.-7",8",10",12"&14"GRIND	1.000 ea
MG1000G01	MUNSELL 5.93PB 3.81/ 2.71	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD4006C05	ORANGE, WIRENUT, G-B #13-003 ORGSIZE 73B	2.000 ea
HA3100A29	THRUBOLT 10-32 X 7.00	4.000 ea
LB1008	LABEL, UL	1.000 ea
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
LB1030	LABEL, OSHA (ON ROLLS)	1.000 ea
LB1307	LABEL, WARNING	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
MN903	INSTR MANUAL FOR GRINDERS 9/03	1.000 ea
LC0279A01	1PH, DV, FIX, GRINDER, CONN FOR LV	1.000 ea
NP3118	ALUM GRINDERS-BUFFERS NO LOGO'S	1.000 ea
35PA1007	PKG GRP, PRINT PK1034A06	1.000 ea
LB1618	PROPOSITION 65 WARNING LABEL 1-1/2 X 1/2	1.000 ea

Accessories

Part number	Description	Multiplier
GA16E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
GA24	WATER POT	A8
B73	7" 36 GRIT GRINDING WHEEL	A8
B74	7" 60 GRIT GRINDING WHEEL	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
DC7	DUST CONTROL UNIT	A8

AC Induction Motor Performance Data

Record # 88749

Typical performance - not guaranteed values

Winding: G7WG0385-R001			Type: 3420C		Enclosure: TENV	
Nameplate Data			115 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		.5	Full Load Torque		1.53 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		3.8/1.9	Breakdown Torque		3.11 LB-FT	
R.P.M.		1800	Pull-up Torque		0.228 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		0.275 LB-FT
NEMA Design Code		-	KVA Code		-	
Service Factor (S.F.)		1	Starting Current		19.71 A	
No-load Current		1.2 A				
NEMA Nom. Eff.		0	Power Factor		0	
Line-line Res. @ 25°C		2.01 Ω A Ph 22.2 Ω B Ph				
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			
Locked-rotor Power Factor		74.5				
Rotor inertia		0.0472 lb-ft²				

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	83	91	94	95	95	95
Efficiency	54.9	69.7	75.3	76.7	75.1	72
Speed	1781	1765	1746	1722	1702	1678
Line amperes	1.78	2.56	3.45	3.8	5.26	5.96

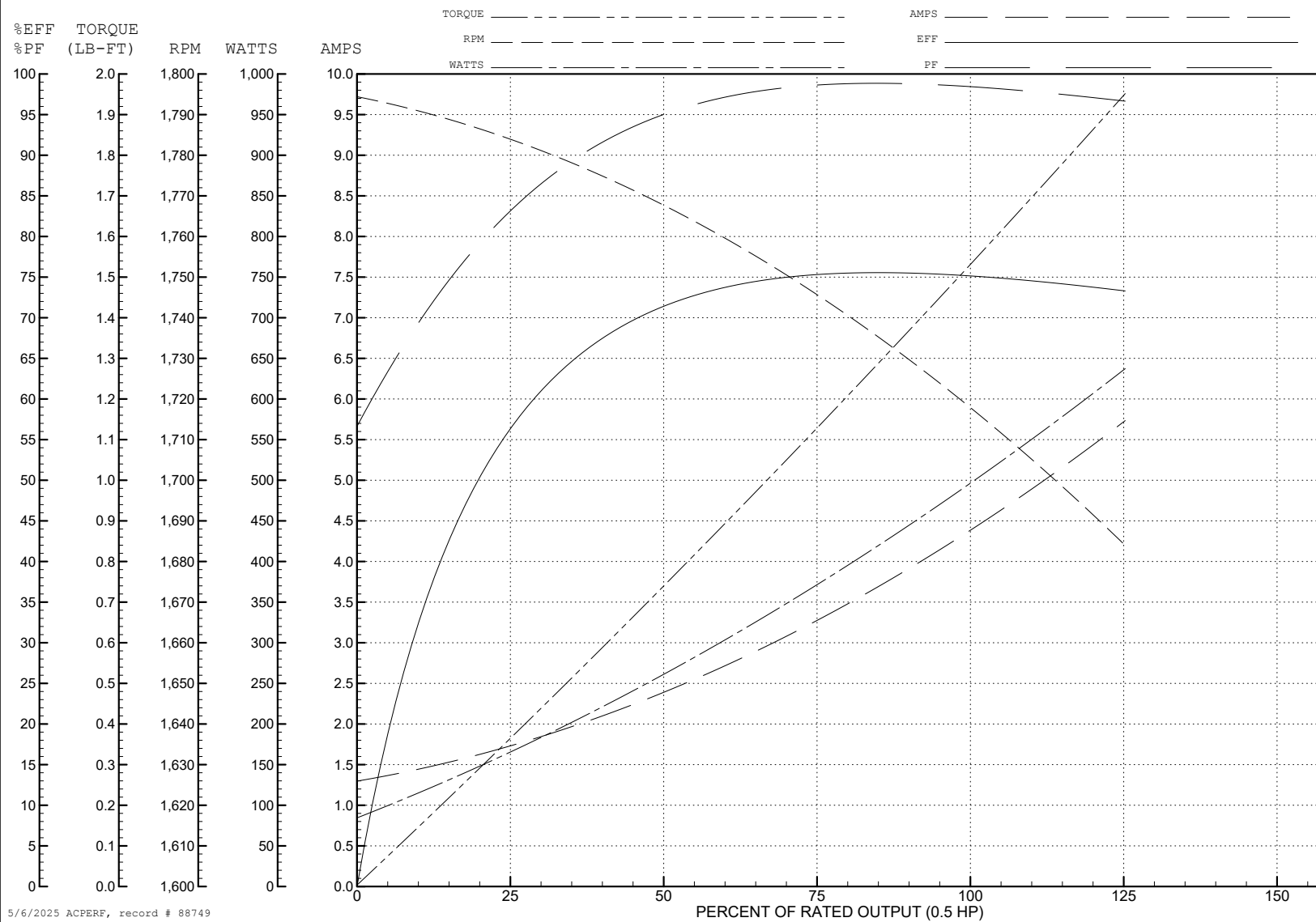
ABB Motors and Mechanical Inc.

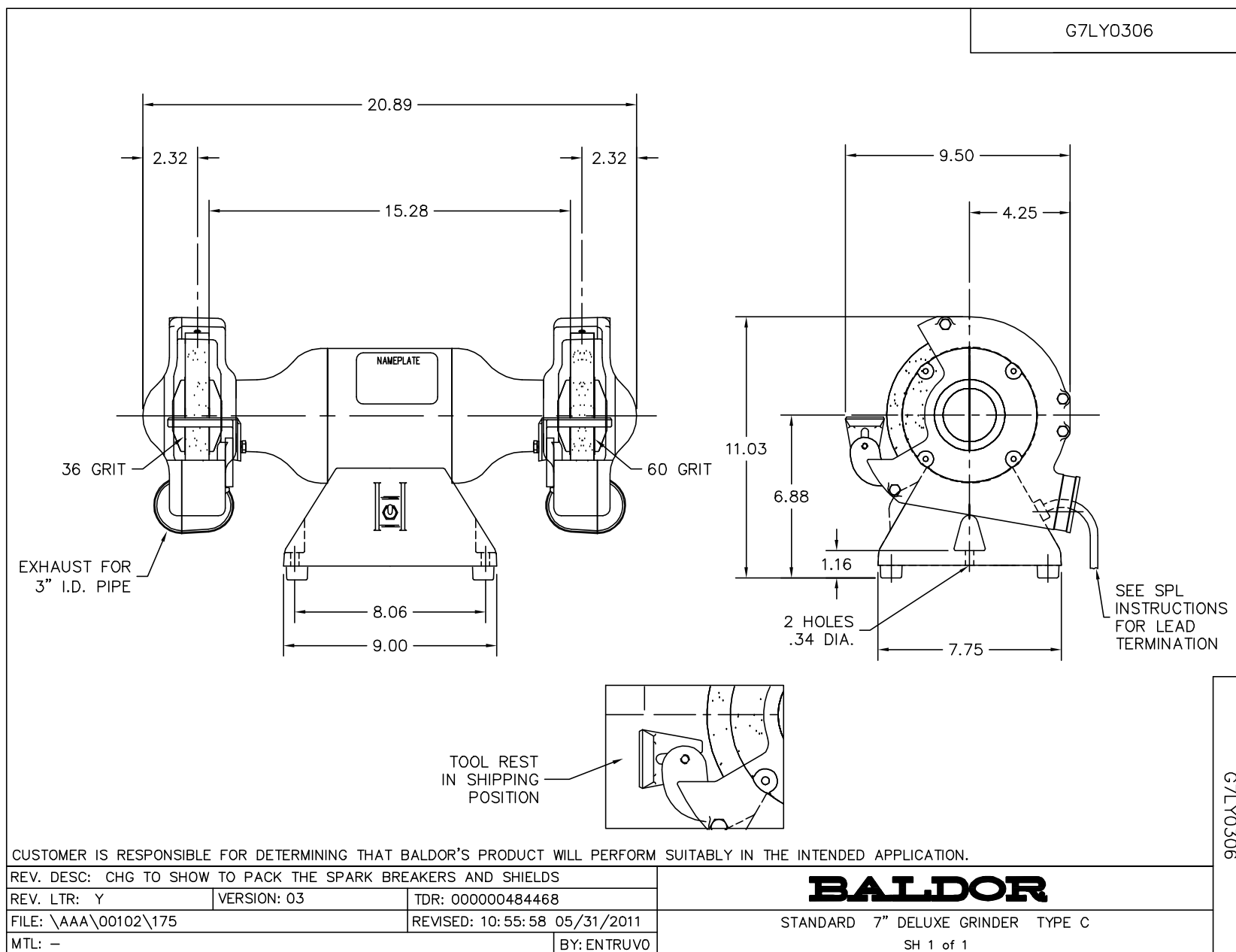
WINDING # G7WG0385

Typical performance - not guaranteed values.

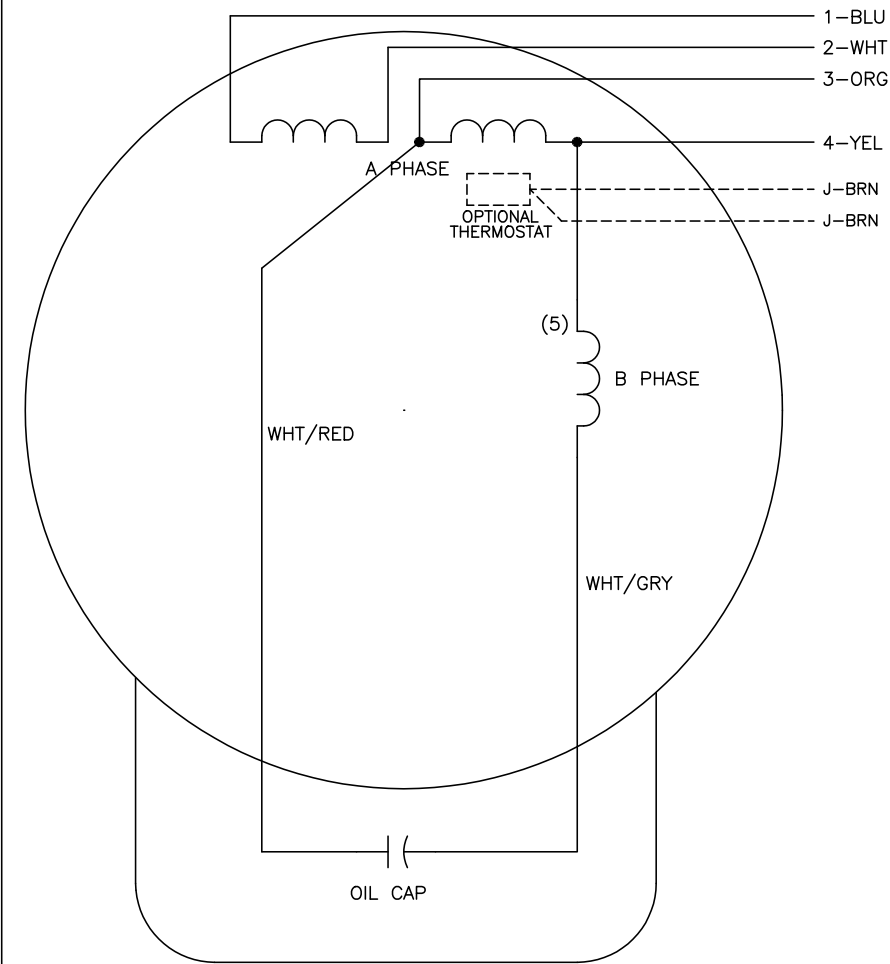
0.5 HP 1 PH 60 HZ 1800 RPM 115 V 3420C

TORQUES (LB-FT): PO=3.11 PU=0.228 LR=0.275 LRA=19.71





CD0121



	LINE A	LINE B	JOIN
HIGH	1	4	2,3
LOW	1,3	2,4	—

- NOTES:
1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 04/08/99 4:14	TDR: 0178636
CD0121		FILE: AAA00007480	MDL: —
		MTL: —	

BALDOR ELECTRIC Co.

TYPE C, DV, FIX, 4 LEADS

CD0121