PRODUCT INFORMATION PACKET

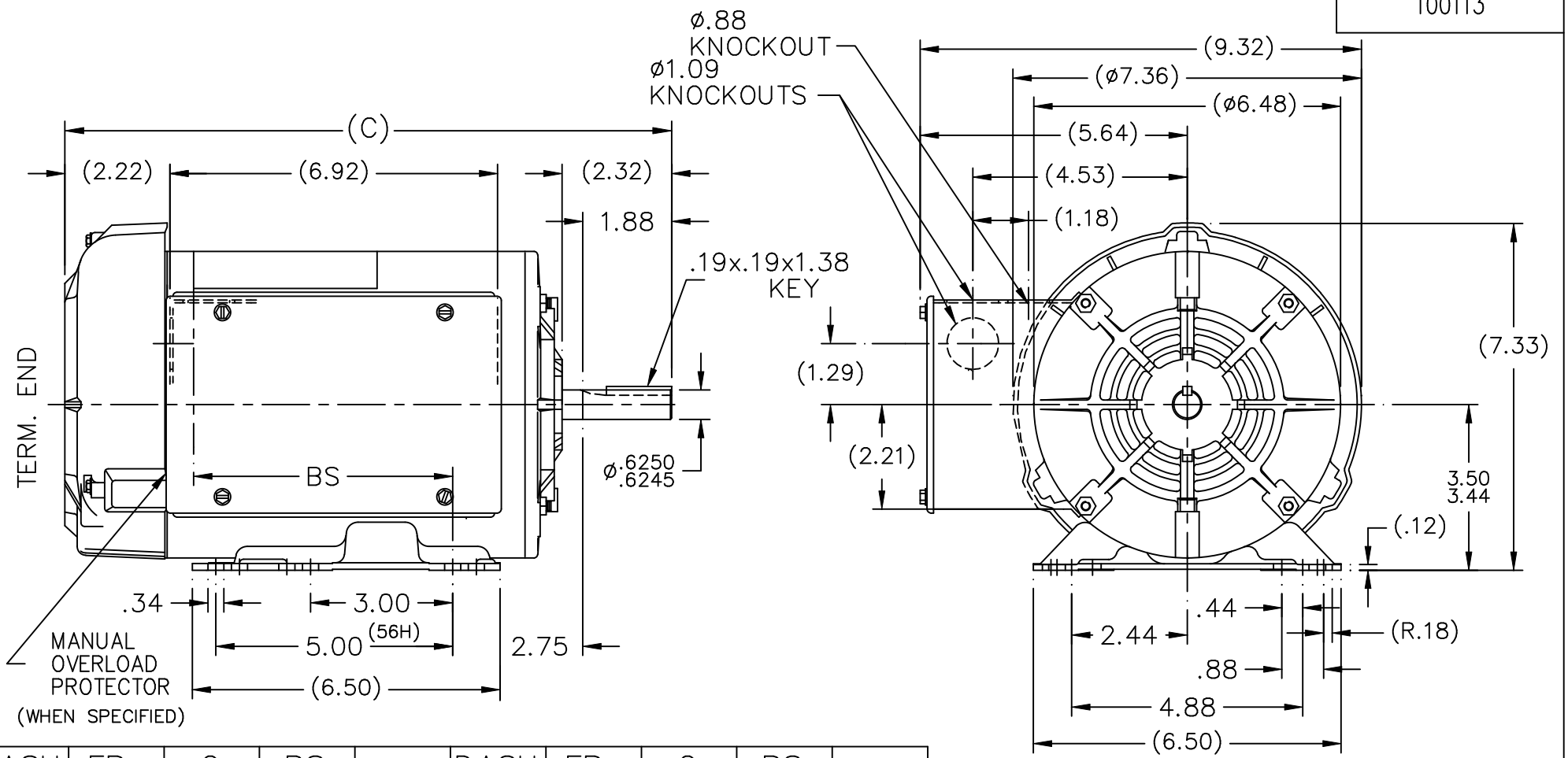
Model No: 056B34F5322
Catalog No: K350
2,3450,TEFC,56H,1/60/115/208-460
Totally Enclosed Fan Cooled (TEFC)

Nameplate Specifications

Output HP	**2 Hp**	Output KW	**1.5 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**18.0/10.0-9.0 A**	Speed	**3450 rpm**
Service Factor	**1.15**	Phase	**1**
Efficiency	**80 %**	Duty	**Continous**
Insulation Class	**B**	Design Code	**NO DESIGN CODE**
KVA Code	**H**	Frame	**56H**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**43**		

Technical Specifications

Electrical Type	**Capacitor Start Capacitor Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Selective Counterclockwise**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**T**
Overall Length	**13.32 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.88 in**	Assembly/Box Mounting	**F1 Only**
Outline Drawing	**A-100113-806**	Connection Diagram	**102006-51**



DASH	FR.	C	BS		DASH	FR.	C	BS	
756	56–75	12.82	5.14		956	56–95	14.82	7.14 08-27-2002	
806	56–80	13.32	5.64						
856	56–85	13.82	6.14						
906	56–90	14.32	6.64 05-24-2005						

NOTES:
1. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

NO.	REVISION	BY & DATE	CHK
3	REDRAWN ON CADD – NO CHANGE	MRB 03-30-1998	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

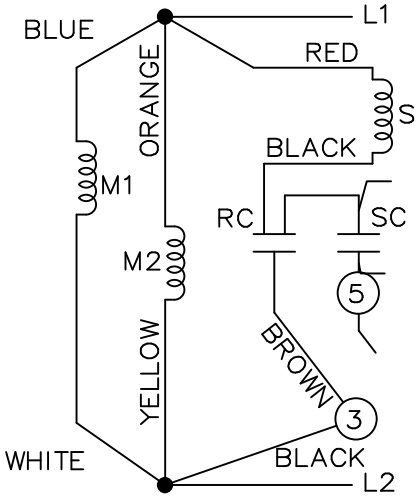
TITLE OUTLINE
56 FR. – BB – 1ø – TEFC

MAT'L.
FINISH
CAD FILE 100113
RFP
DIST WP

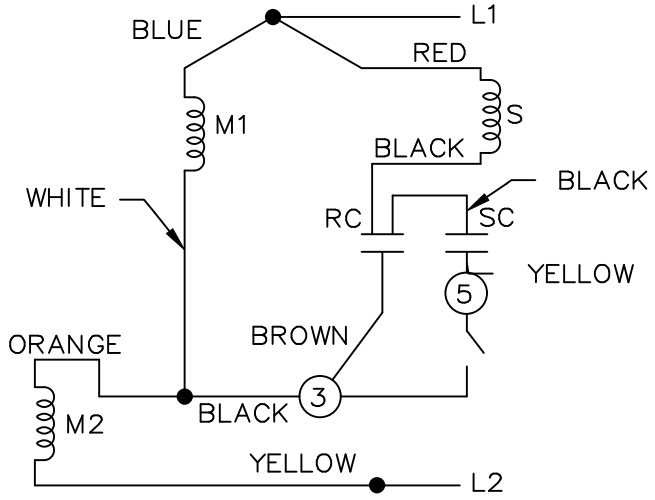
DRAWN	MRB 03-27-1998
CHK	ML 03-30-1998
APPD	GK 03-30-1998
SCALE	5=16
REF	
FMF	
PREV	

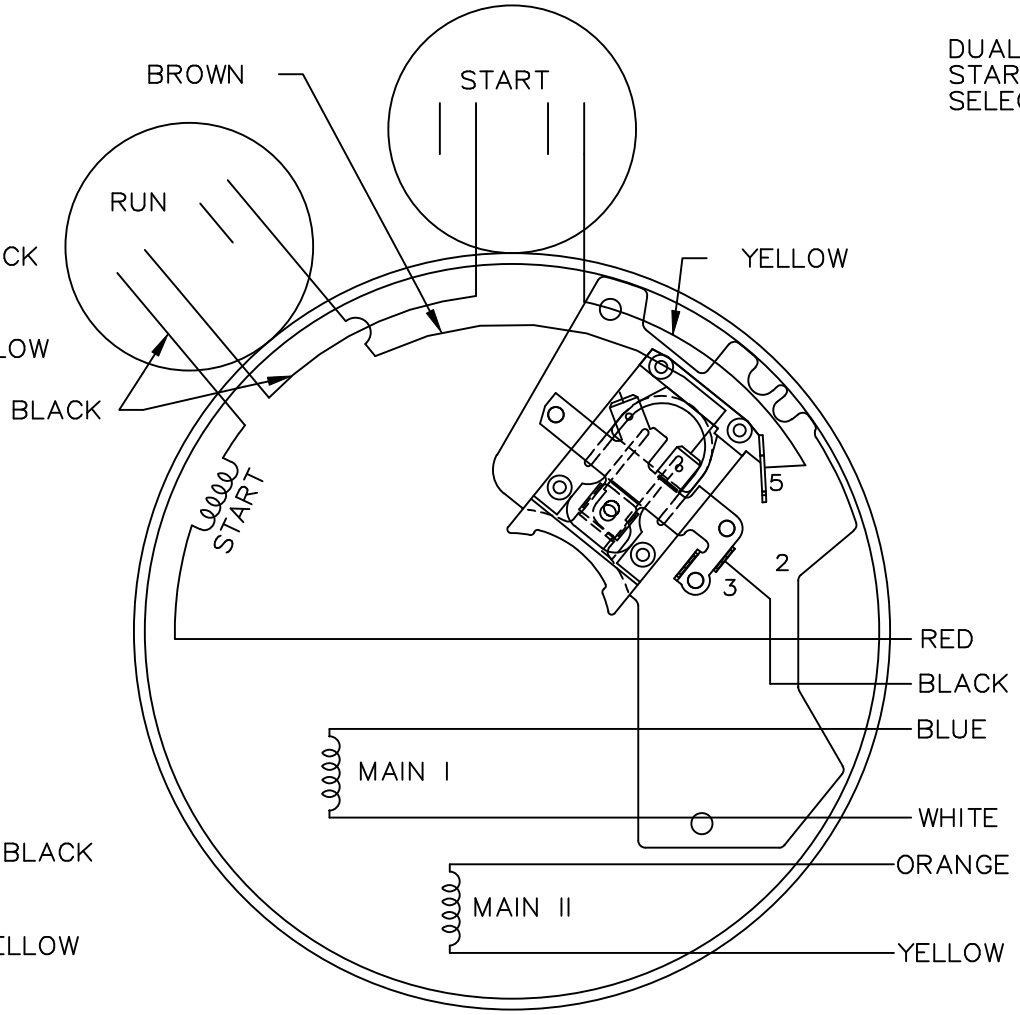
SIZE A | DRAWING NO. 100113 | PAGE OF | REV. 3

LOW VOLTAGE C.C.W.



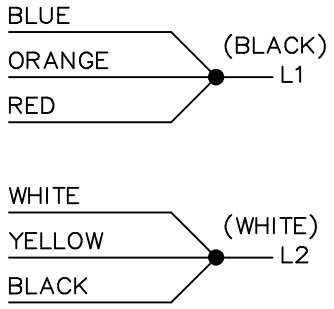
HIGH VOLTAGE C.C.W.



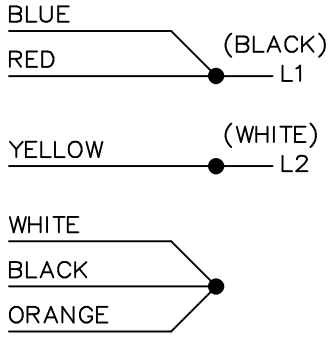


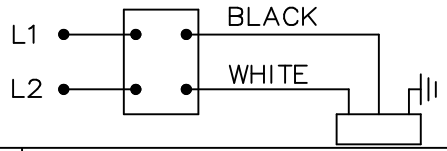
DUAL VOLTAGE CAPACITOR START–CAP RUN NO OVERLOAD SELECT ROTATION

LOW VOLTAGE C.C.W. ROTATION



HIGH VOLTAGE C.C.W. ROTATION





FOR C.W. ROTATION, EITHER VOLTAGE, INTERCHANGE RED WITH BLACK LEAD

NO.	REVISION	BY & DATE	CHK
9	ADDED CORD AND SWITCH VIEW MU37521	DRS 06-22-2001	
8	REDRAWN ON CADD	DT 06-16-1996	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

DRAWN DT 06-07-1996
CHK MRB 06-16-1996
APPD GK 06-16-1996
SCALE 5=8
REF
FMF
PREV

TITLE CONNECTION DIAGRAM
MAT'L.
FINISH
CAD FILE 102006-51
RFP
DIST WP

SIZE	DRAWING NO.	PAGE	OF	REV.
A	102006-51			9

CERTIFICATION DATA SHEET

Model#:	56B34F5322 B	**WINDING#:**	ZB229 NONE 3
CONN. DIAGRAM:	102006-51	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-100113-806		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56H	TEFC	H	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	18.0/10.0-9.0	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 81.5	1/2 LOAD EFF: 77.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 96	1/2 LOAD PF: 95.5	0	CAP START CAP RUN	3.2 / 1.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	120.6 / 60.3	6.23 LB-FT 0	7.68 LB-FT 0	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: PROVISIONS FOR KIT NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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** Subject to change without notice.