PRODUCT INFORMATION PACKET

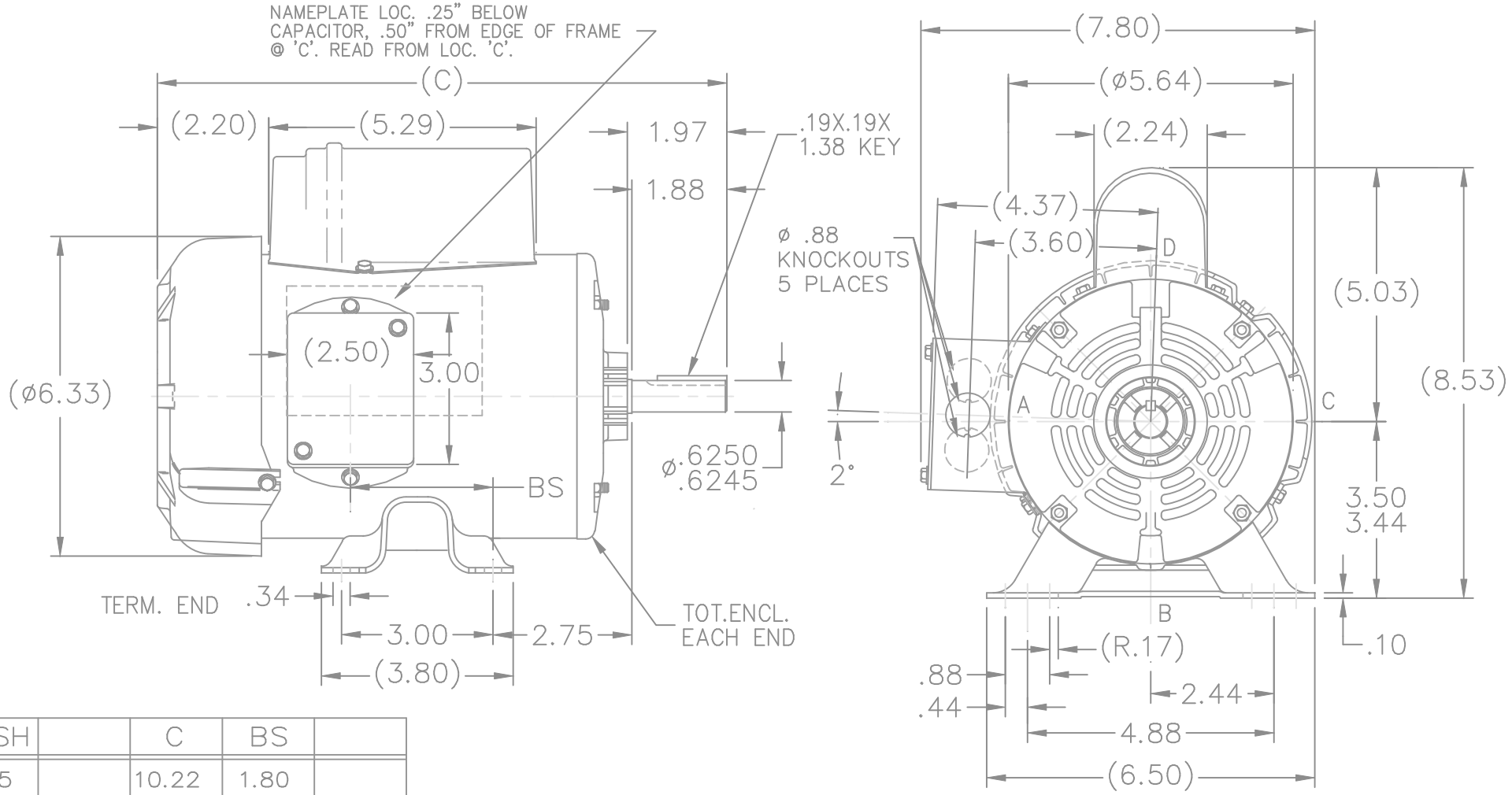
Model No: 056C17F2041
Catalog No: G337
1/2,1725,TEFC,56,1/60/115/208-230 (USE 5KC42GN0014)
Totally Enclosed Fan Cooled (TEFC)

Nameplate Specifications

Output HP	**0.5 HP**	Output KW	**0.37 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**8/4 A**	Speed	**1725 RPM**
Service Factor	**1.15**	Phase	**1**
Efficiency	**66 %**	Duty	**CONTINUOUS**
Insulation Class	**B**	Design Code	**NO DESIGN CODE**
KVA Code	**M**	Frame	**56**
Enclosure	**TEFC**	Overload Protector	**NOT**
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	**CAP START IND RUN**	Starting Method	**ACROSS THE LINE**
Poles	**4**	Rotation	**SELECTIVE CCW**
Mounting	**RIGID**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**ROLLED STEEL**	Shaft Type	**STANDARD 56**
Overall Length	**11.22 in**	Frame Length	**6.25 in**
Shaft Diameter	**0.63 in**	Shaft Extension	**1.97 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**A-SS75177-625**	Connection Diagram	**A-EE9023D**



DASH		C	BS	
525		10.22	1.80	
575		10.72	2.30	
625		11.22	2.80	

NO.	REVISION	BY & DATE	CHK
5	UPDATED DRAWING	TJW 04/16/2007	
4	ADDED 'BS' TO CHART	HLB 11-08-2004	ML
3	ADDED NEW REAR BRACKET. CN 19546	RJM 03-10-1995	
2	REVISED NAMEPLATE LOCATION	RM 10-07-1991	
1	NEW DRAWING 3844708	RM 09-26-1991	

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

MARATHON ELECTRIC

TITLE OUTLINE
48 FR. −1 ø

MAT'L.

FINISH

CAD FILE ss75177

RFP

DIST WP

DRAWN	RM 09-26-1991
CHK	ML 09-30-1991
APPD	GK 09-30-1991
SCALE	1=3
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	SS75177	5

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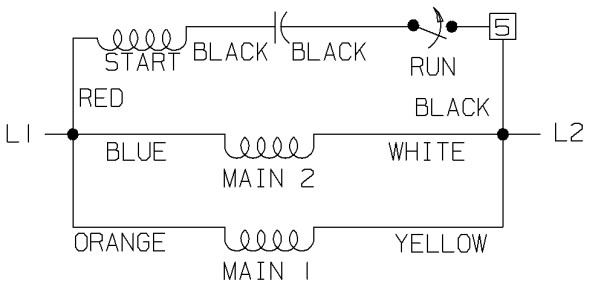
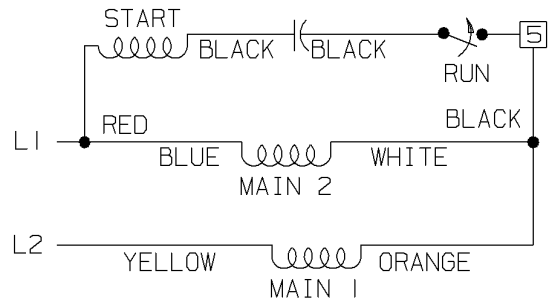
A- EE9023D

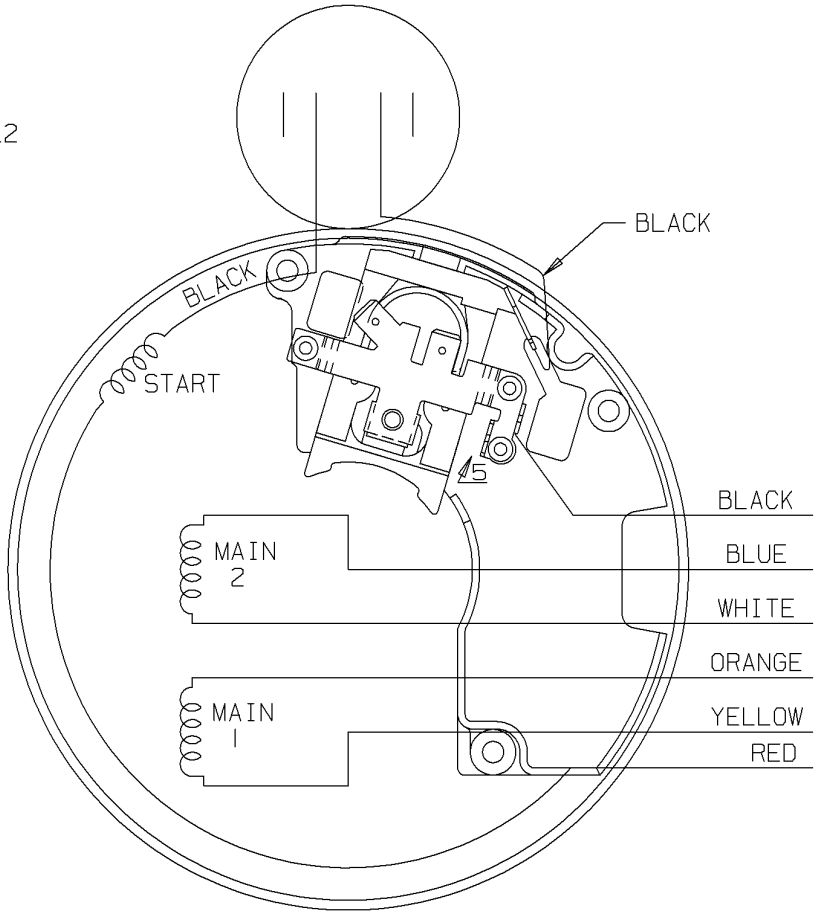
LOW VOLTAGE C.C.W.



START

HIGH VOLTAGE C.C.W.





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DUAL VOLTAGE
CAPACITOR START
NO OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.

BLUE, ORANGE, RED — LINE 1

WHITE, YELLOW, BLACK — LINE 2

HIGH VOLT. CCW ROT.

BLUE, RED — LINE 1

YELLOW — LINE 2

WHITE, BLACK, ORANGE

FOR CW ROT. EITHER VOLTAGE INTERCHANGE RED WITH BLACK LEAD.

REV	DATE	CHANGE	NAME
1	09-26-1991	NEW DRAWING 3844707	RM

MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"

MATL SPEC

FINISH

REFERENCE DRW.

MARATHON ELECTRIC
WAUSAU, WISCONSIN 54401

DRAWN BY	RM	09-26-1991
CHKD BY	ML	09-26-1991
APPD BY	GK	09-26-1991

PART NAME CONNECTION DIAGRAM

DRWG NO A- EE9023D

SHOP BOOK | PURCHASED | DISTRIBUTION - WA - LB - WP - LM - BR | CADD FILE NO. EE9023D

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CERTIFICATION DATA SHEET

Model#:	56C17F2041 J	**WINDING#:**	CE484132 NONE 3
CONN. DIAGRAM:	A-EE9023D	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-SS75177-625		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1725	56	TEFC	M	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	8/4-4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 66	3/4 LOAD EFF: 65.2	1/2 LOAD EFF: 60.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 66	3/4 LOAD PF: 58	1/2 LOAD PF: 46.8	0	CAP START IND RUN	5.1 / 2.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 LB-FT	44 / 22	89 LB-FT -	58.5 LB-FT -	65

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	0 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	STANDARD 56	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.