

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056B34F5333
Catalog No: T019
2,3450,TEFC,56H,1/60/115/230
Power Tools



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REGAL



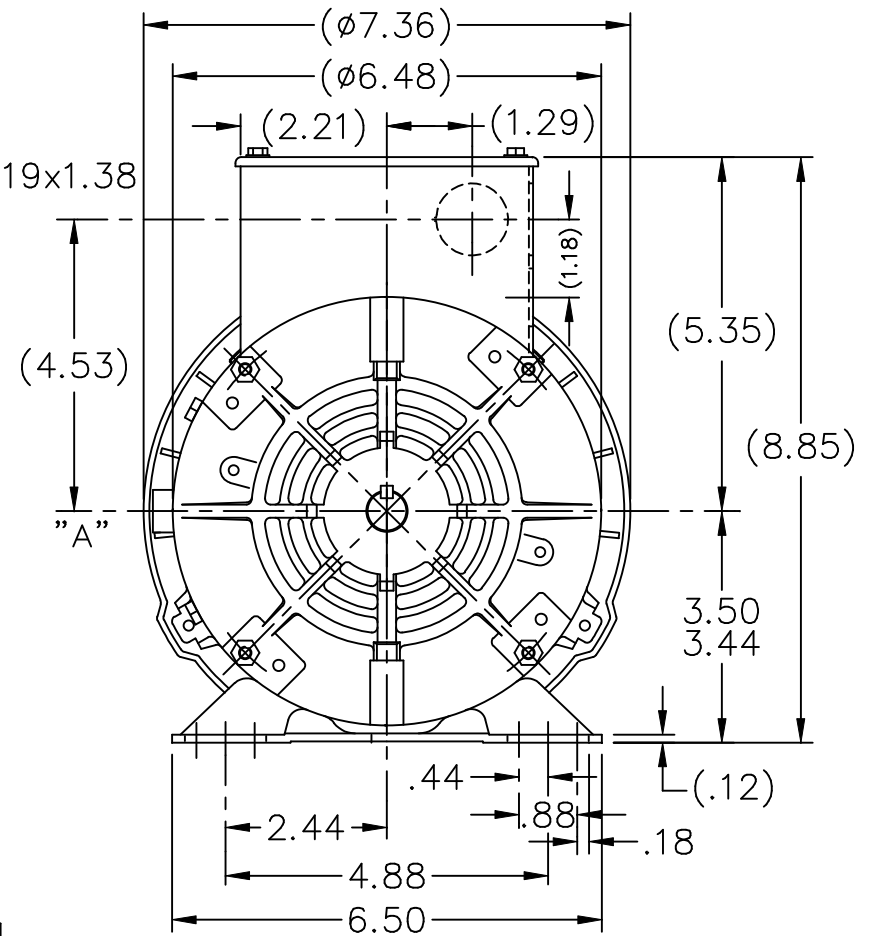
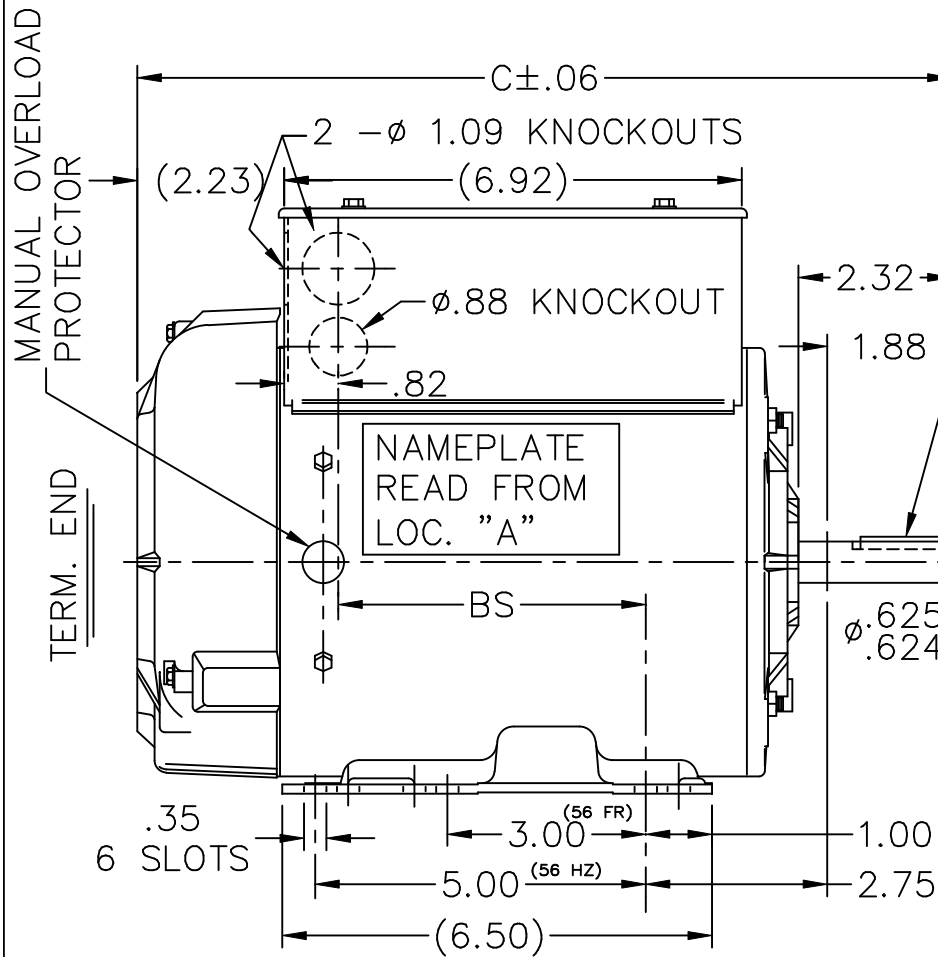
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/230 V
Current	17.5/8.7 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	80.3 %	Duty	Continuous
Insulation Class	B	Design Code	L
KVA Code	J	Frame	56H
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	Manual
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized (Not Protector)
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	13.41 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F3
Outline Drawing	A-104359-806	Connection Diagram	102006-52

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DASH	FRAME	C	BS	DASH	FRAME	C	BS
				806	56-80	13.41	5.65
656	56-65	11.91	4.15				
706	56-70	12.41	4.65				
756	56-75	12.91	5.15				

				TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
3	UPDATED DRAWING	RJW 03-29-2007		.XX	±.03
2	REDRAWN IN AUTOCAD	TAT 06-24-2005	DRS	.XXX	±.005
1	NEW DRAWING CN 24300-176	DRS 09-29-1997		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"



TITLE OUTLINE
56 FR. - BB - TEFC - 1°

MAT'L.

FINISH

DRAWN DRS 09-29-1997
CHK ML 09-29-1997
APPD GK 09-29-1997
SCALE 11=32
REF
FMF
PREV

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RFP

DIST WP

CAD FILE 104359

SIZE

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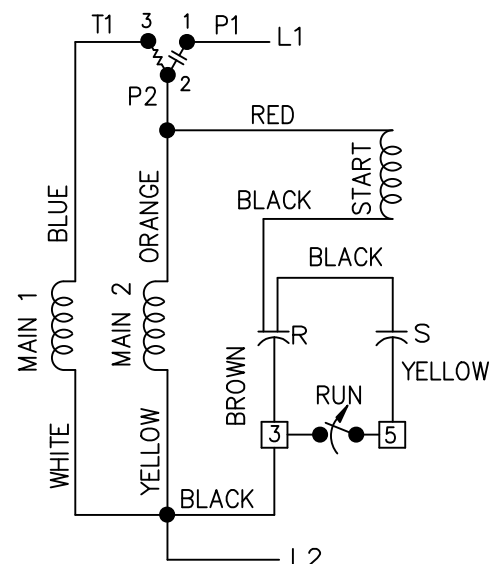
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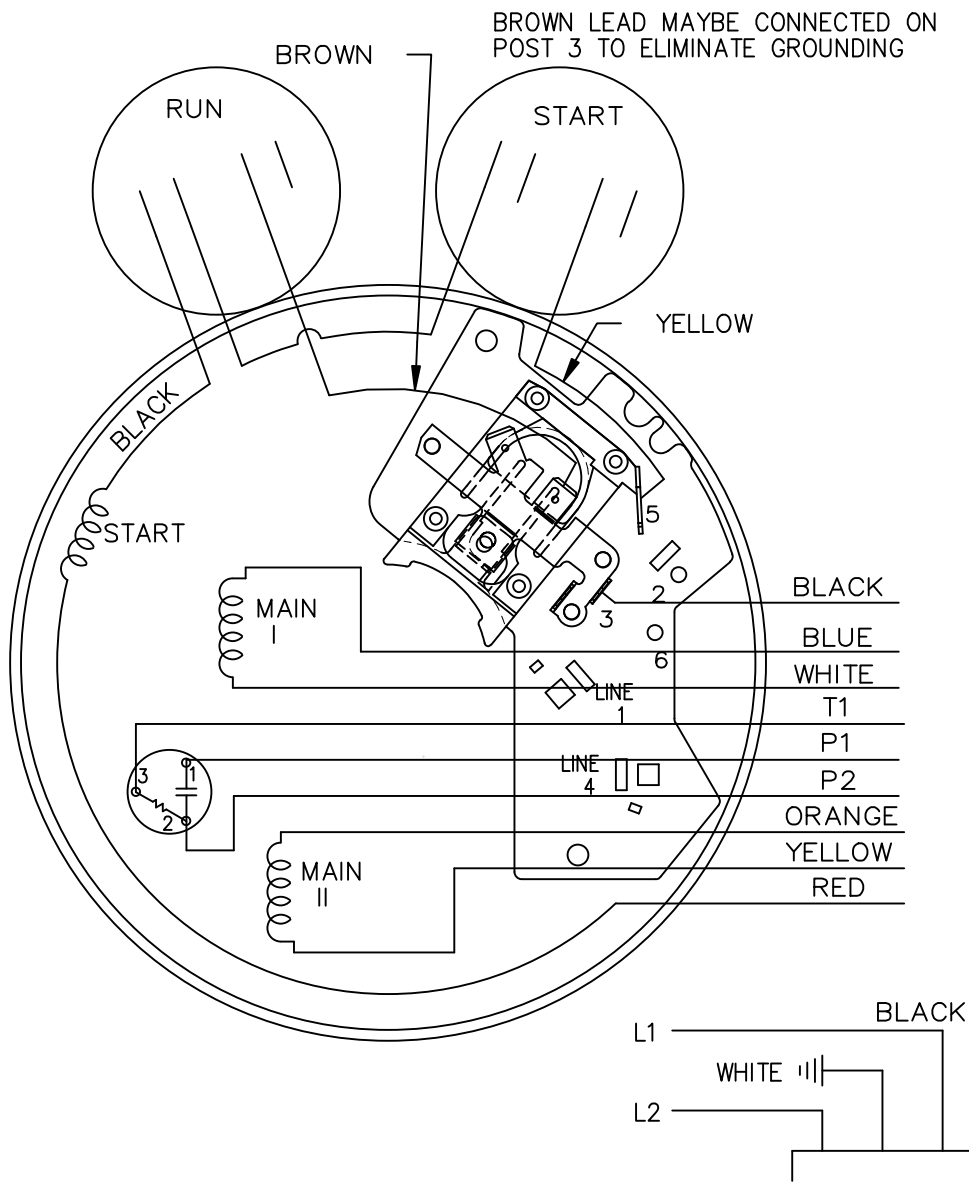
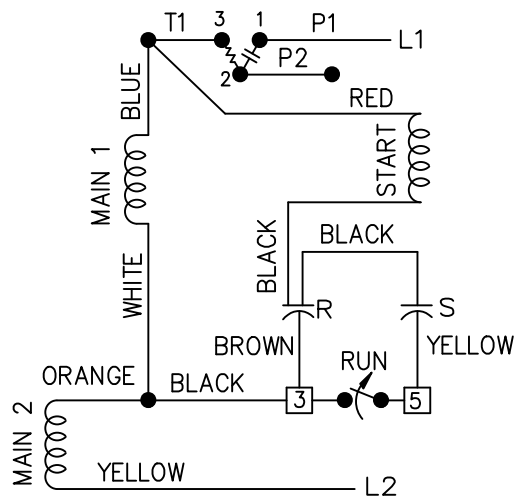
REV.

3

LOW VOLTAGE C.C.W.



HIGH VOLTAGE C.C.W.



102006-52

DUAL VOLTAGE
CAP START-CAP RUN
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.

P1 — LINE 1

WHITE
YELLOW
BLACK — LINE 2

BLUE
T1
P2
ORANGE
RED

HIGH VOLT. CCW ROT.

P1 — LINE 1
YELLOW — LINE 2

BLUE
RED
T1
P2
ORANGE
BLACK
WHITE

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

13	CHG'ED SWITCH TO OPEN WHEN RUNNING ISAAC 11-2715	KBB 06-23-2011	EH	TOLERANCES UNLESS SPECIFIED	
12	REMOVE 1,2,3 & 4 ON LOW & HIGH VOLT CN 31436	TJB 02-14-2002	DRS	DEC.	INCHES
11	REMOVE BRAKE VIEW CN 31436	TJB 01-30-2002	DRS	.X	±.1
10	ADDED BROW LEAD DETAIL NOTE CN 24300-323	BJW 02-28-2000		.XX	±.02
9	ADDED CORD VIEW MU20434	BLR 07-01-1998		.XXX	±.005
8	CAP LEAD COLORS REVISED CN 16210	AJS 08-29-1994		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±.7'30"



TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

DRAWN	ML	05-09-1992
CHK	GK	05-09-1992
APPD	FG	05-19-1992
SCALE	5=8	
REF		
FMF		
PREV		

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RFP
DIST WP

CAD FILE 102006-52

SIZE	DRAWING NO.	PAGE	OF	REV.
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CERTIFICATION DATA SHEET

Model#:

56B34F5333 D

WINDING#:

ZB237 NONE 3

CONN. DIAGRAM:

102006-52

ASSEMBLY:

F3

OUTLINE:

A-104359-806

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56H	TEFC	J	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	17.5/8.7	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 79.8	1/2 LOAD EFF: 74	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 92.2	1/2 LOAD PF: 92	0	CAP START CAP RUN	4.4 / 2.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.97 LB-FT	124.6 / 62.3	6.16 LB-FT -	7.14 LB-FT -	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	- LB-FT^2	0 LB-FT^2	0 SEC.	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						
6203	6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /in HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

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N
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T
E
S
*

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