PRODUCT INFORMATION PACKET

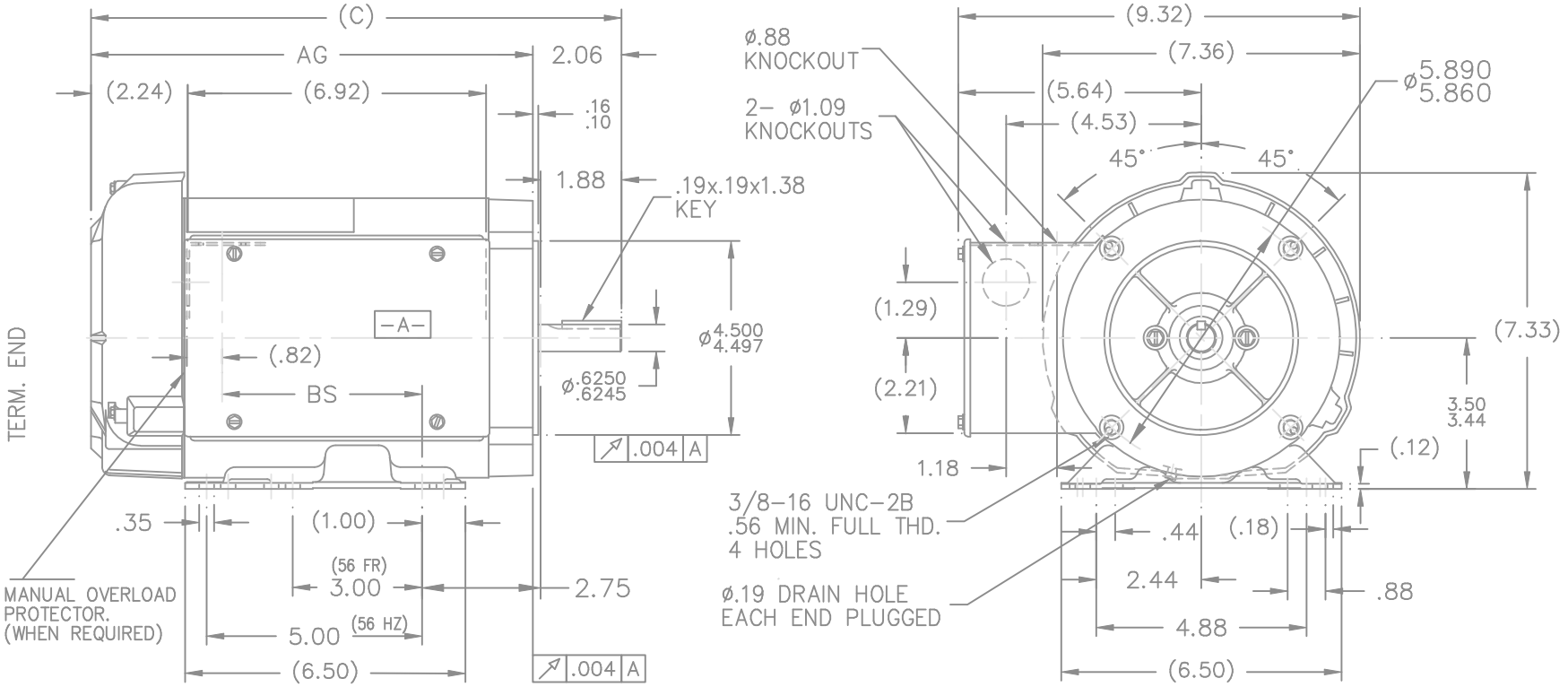
Model No: 056B17F5584
Catalog No: F135
1 1/2,1725,TEFC,56HC,1/60/115/208-230
Single Phase

Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**15.2/8.2-7.6 A**	Speed	**1725 rpm**
Service Factor	**1.15**	Phase	**1**
Efficiency	**80 %**	Duty	**Continous**
Insulation Class	**B**	Design Code	**N**
KVA Code	**J**	Frame	**56HC**
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	**Y**
IP Code	**43**		

Technical Specifications

Electrical Type	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**4**	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	**13.82 in**	Frame Length	**8.56 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.06 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**A-104450-856**	Connection Diagram	**102006-52**



NOTE:
1- NAMEPLATE READ FROM C'BOX SIDE.

DASH	FRAME	C	AG	BS	DASH	FRAME	C	AG	BS
706	56-70	12.32	10.25	4.64	856	56-85	13.82	11.75	6.14
756	56-75	12.82	10.75	5.14	956	56-95	14.82	12.75	7.14
806	56-80	13.32	11.25	5.64	1006	56-100	15.32	13.25	7.64

NO.	REVISION	BY & DATE	CHK
2	ADDED NOTE SECTION CN 24300-474	DRS	
1	NEW DRAWING MU19807	MH 05-18-1998	

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

MARATHON ELECTRIC

TITLE OUTLINE
56 FR. - TEFC - C'FACE - 1ø

MAT'L.

FINISH

CAD FILE 104450

RFP

DIST WP

DRAWN	MH 05-14-1998
CHK	ML 05-15-1998
APPD	DAR 05-18-1998
SCALE	1=4
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	104450	2

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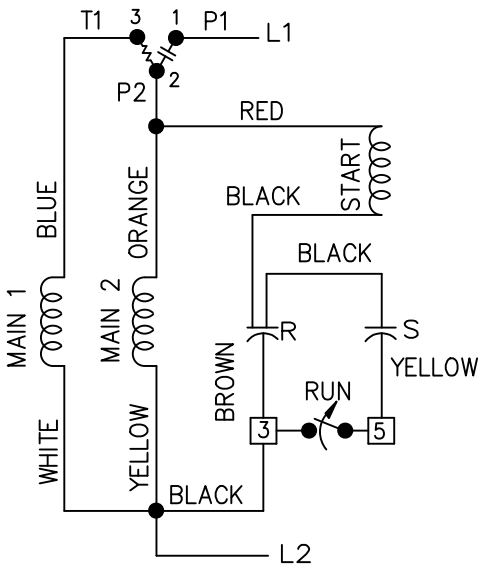
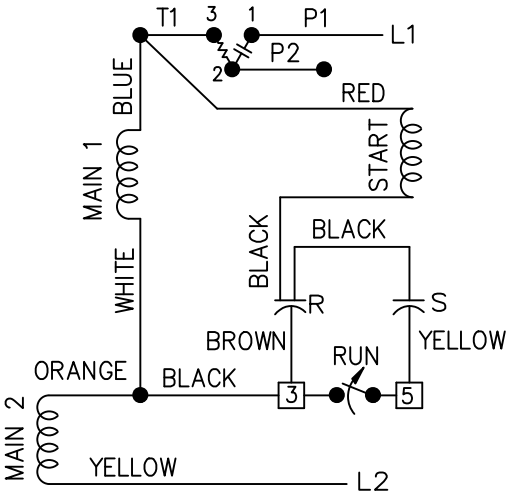
102006-52

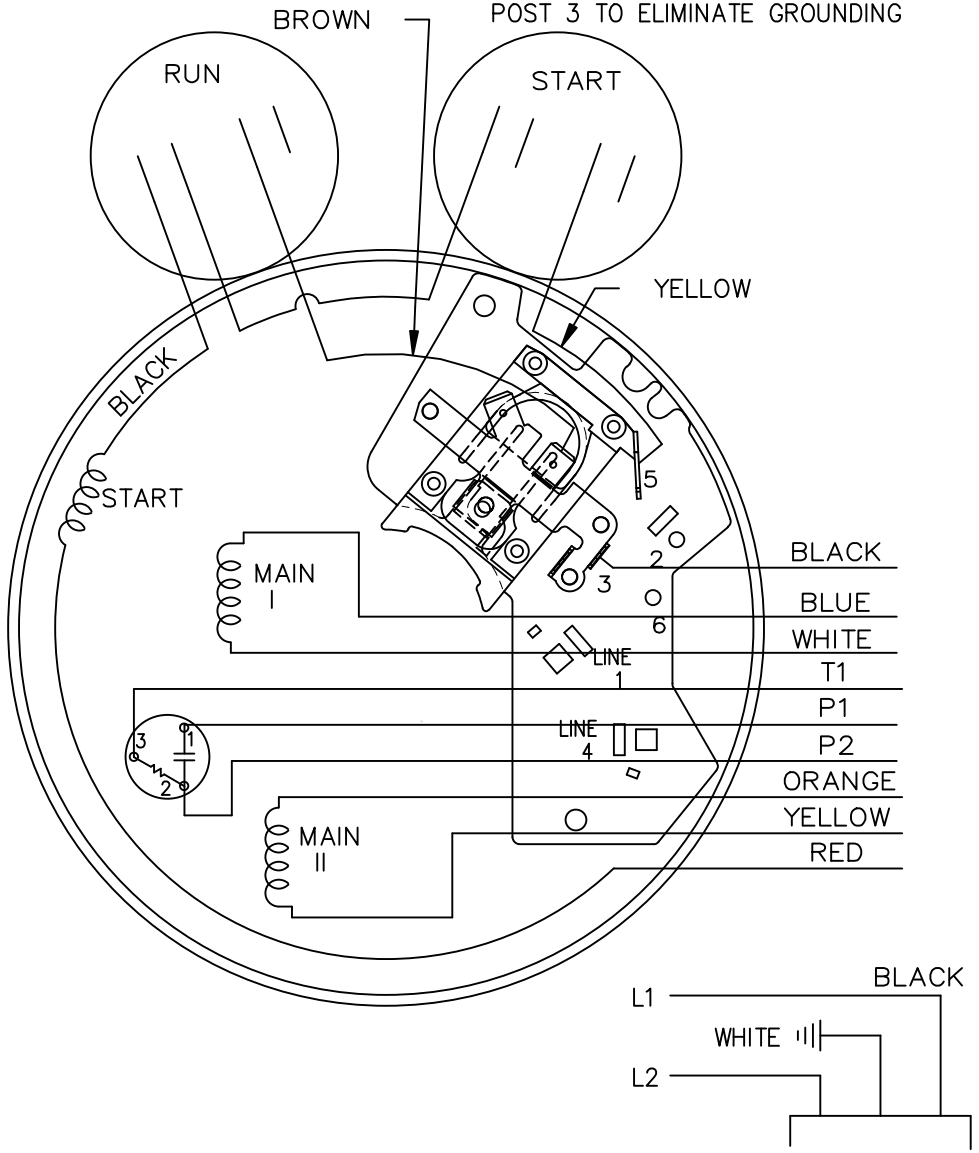
LOW VOLTAGE C.C.W.



HIGH VOLTAGE C.C.W.

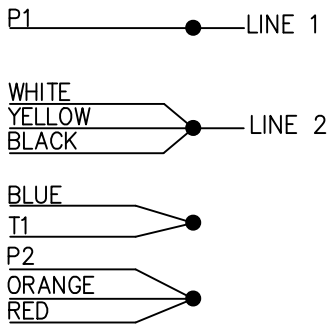


BROWN LEAD MAYBE CONNECTED ON POST 3 TO ELIMINATE GROUNDING

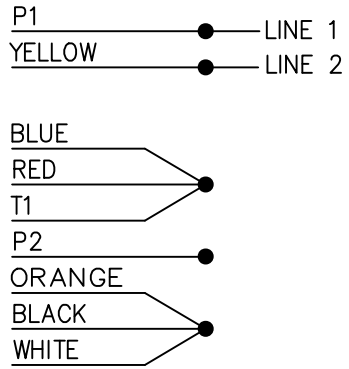


DUAL VOLTAGE
CAP START-CAP RUN
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



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

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

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

MARATHON ELECTRIC

TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 102006-52

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

RFP

DIST WP

SIZE	DRAWING NO. PAGE OF	REV.
A	102006-52	13

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CERTIFICATION DATA SHEET

Model#:	56B17F5584 E	**WINDING#:**	ZB406 NONE 3
CONN. DIAGRAM:	102006-52	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-104450-856		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1725&1425	56HC	TEFC	J	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60/50	115/208-230#110/220	15.2/8.2-7.6&15.6/7.8	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.0	40	3300

FULL LOAD EFF: 80&71	3/4 LOAD EFF: 80.5	1/2 LOAD EFF: 76.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80&58	**3/4 LOAD PF: 71.2**	**1/2 LOAD PF: 61**	0	CAP START IND RUN	8.1 / 4.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.51 LB-FT	107.6 / 53.8	14.8 LB-FT 328	12.4 LB-FT 275	70

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
C-FACE	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	MANUAL	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 ONLY NONE
STEARNS P/N NONE
56,000 NONE
10 FT-LB NONE V NONE Hz

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FORM 3531 REV.3 02/07/99
** Subject to change without notice.