PRODUCT INFORMATION PACKET

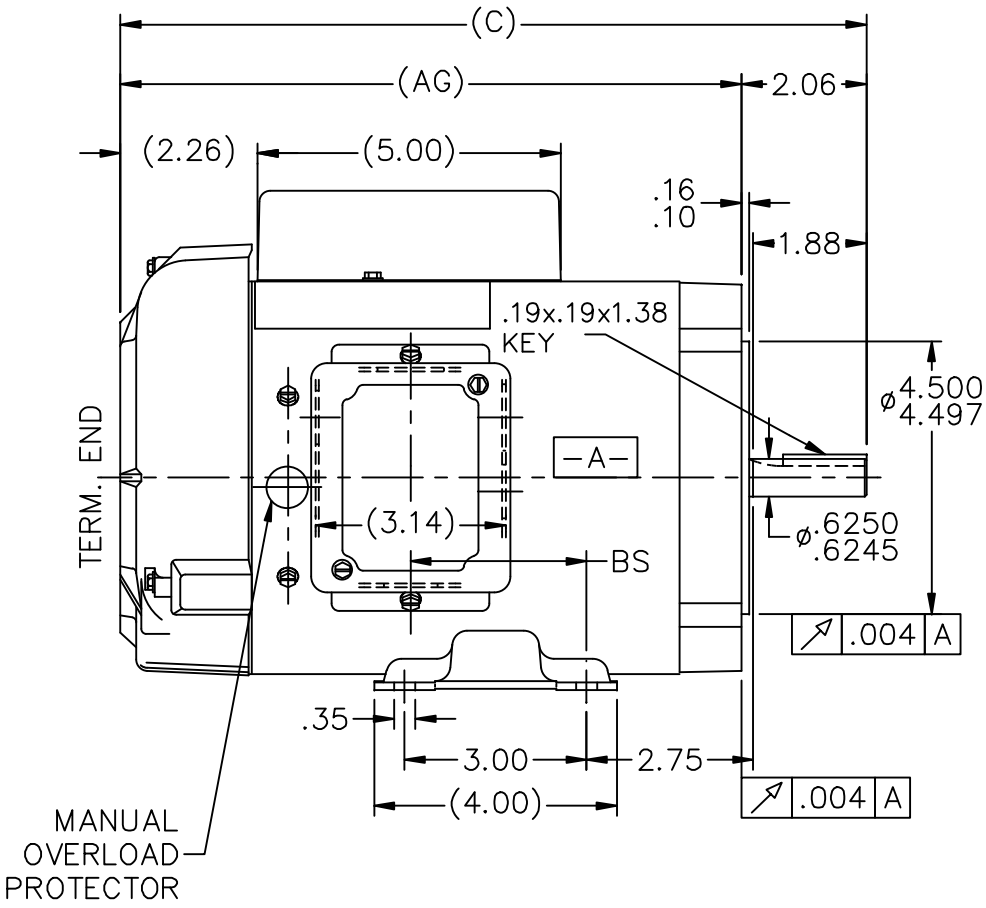
Model No: 056C17F5358
Catalog No: F131
1/3,1725,TEFC,56C,1/60/115/208-230
Single Phase

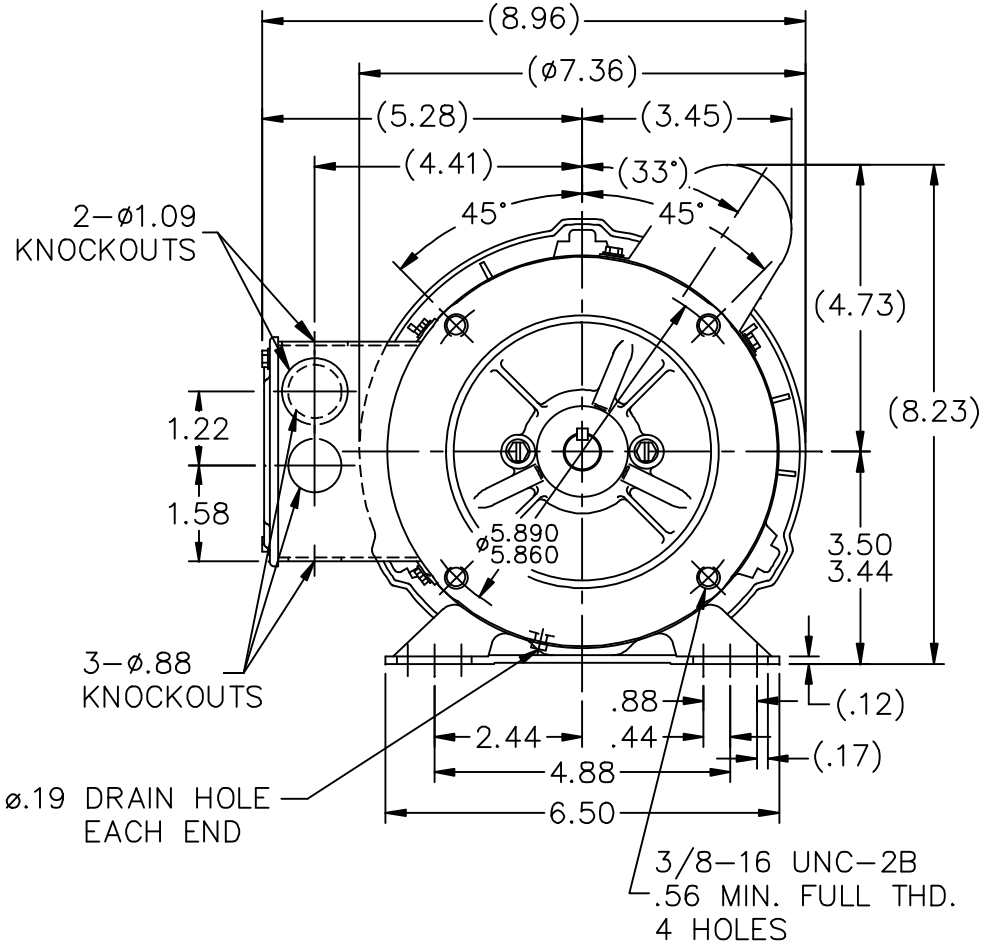
Nameplate Specifications

Output HP	**0.33 Hp**	Output KW	**0.25 kW**
Frequency	**60 Hz**	Voltage	**115/208-230 V**
Current	**6.6/3.1-3.3 A**	Speed	**1725 rpm**
Service Factor	**1.15**	Phase	**1**
Efficiency	**55 %**	Duty	**Continous**
Insulation Class	**B**	Design Code	**N**
KVA Code	**N**	Frame	**56C**
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**
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	**NEMA 56**
Overall Length	**11.82 in**	Frame Length	**6.56 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.06 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**A-104462-656**	Connection Diagram	**102005-52**





DASH	FRAME	C	AG	BS
656	56–65	11.82	9.75	2.40
706	56–70	12.32	10.25	2.90
756	56–75	12.82	10.75	3.40

NOTES:
1. CONDUIT BOX CAN BE ROTATED 180°.
2. NAMEPLATE READ FROM CONDUIT BOX SIDE.

NO.	REVISION	BY & DATE	CHK
4	REMOVED "PLUGGED" FROM DRAIN HOLE ISAAC 12–0555	WGJ 02–21–2012	DD
3	REVISED DRAWING	RJW 04–03–2007	
2	REDRAWN IN AUTOCAD	TAT 06–13–2005	ML
1	NEW DRAWING MU20295	MRB 07–06–1998	

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

MARATHON ELECTRIC

DRAWN MRB 06–23–1998
CHK ML 07–06–1998
APPD JMB 07–06–1998
SCALE 5=16
REF
FMF
PREV

TITLE OUTLINE
56 FR. – TEFC – C' FACE

MAT'L.
FINISH
CAD FILE 104462

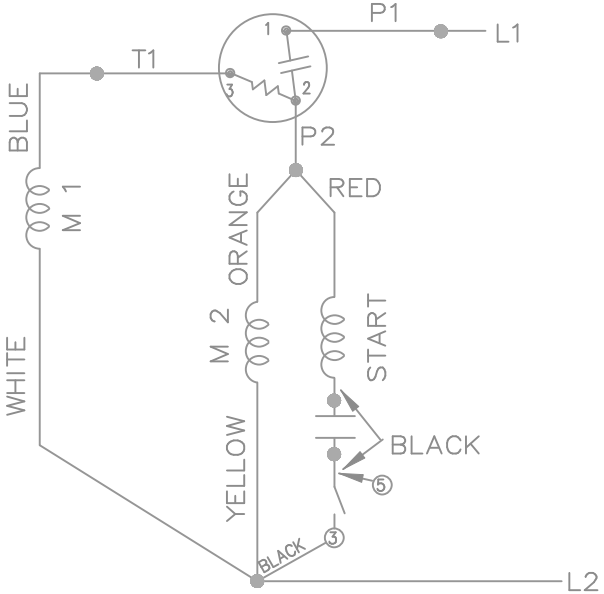
RFP
DIST WP

SIZE	DRAWING NO. PAGE OF	REV.
A	104462	4

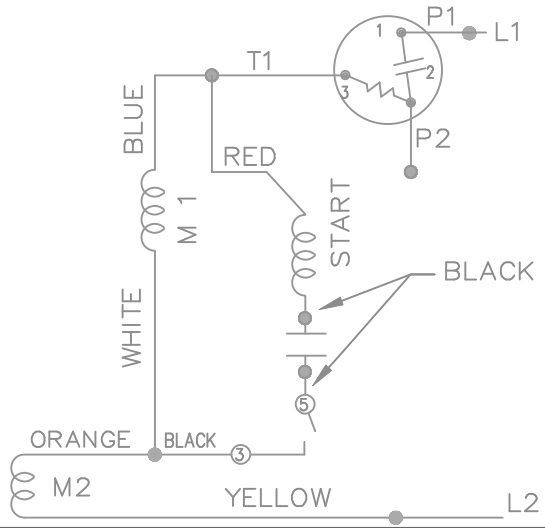
102005-52

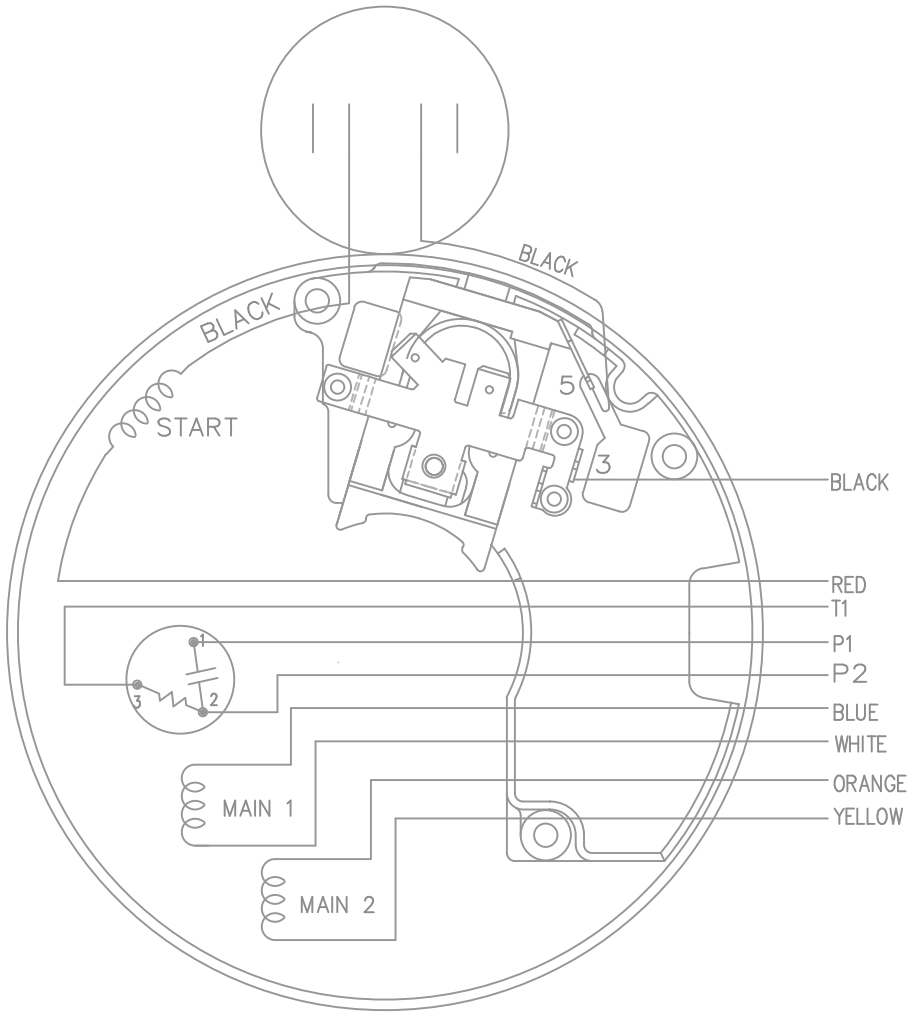
DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROTATION

LOW VOLTAGE – CCW

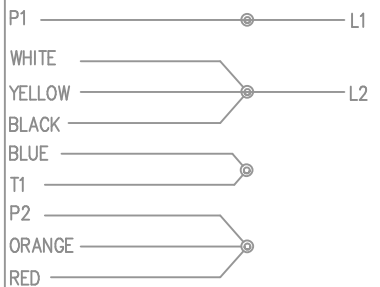


HIGH VOLTAGE – CCW

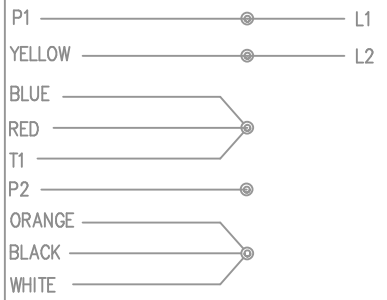




LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION EITHER VOLTAGE INTERCHANGE RED WITH BLACK

NO.	REVISION	BY & DATE	CHK
6	REISSUE	BRH 03-13-1996	
5	REDRAWN ON CADD	BRH 03-06-1996	

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 102005-52

RFP

DIST WP

DRAWN	BRH 02-29-1996
CHK	ML 03-06-1996
APPD	GK 03-06-1996
SCALE	5=8
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	102005-52	6

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CERTIFICATION DATA SHEET

Model#:	56C17F5358 E	**WINDING#:**	ZC406 NONE 3
CONN. DIAGRAM:	102005-52	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-104462-656		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1800	1725	56C	TEFC	N	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	6.6/3.1-3.3	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 55	3/4 LOAD EFF: 50.5	1/2 LOAD EFF: 43.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 60	3/4 LOAD PF: 50	1/2 LOAD PF: 42.7	0	CAP START IND RUN	5.6 / 2.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16 LB-FT	32.4 / 16.2	55.7 LB-FT 348	44.6 LB-FT 279	53

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
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 6203	BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

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 FOR KIT NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

* NOTES *

DATE: 06/27/2017 07:08:57 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.