

PRODUCT INFORMATION PACKET

Model No: 056C17D5322
Catalog No: B311
1,1725,DP,56,1/60/115/208-230
Fan and Blower



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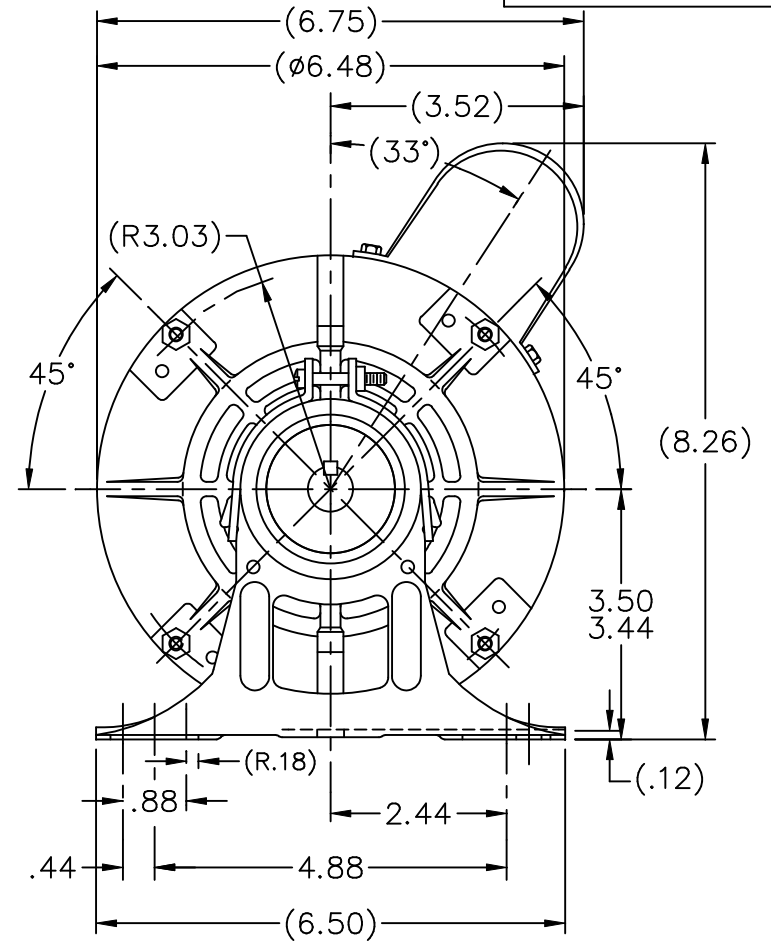
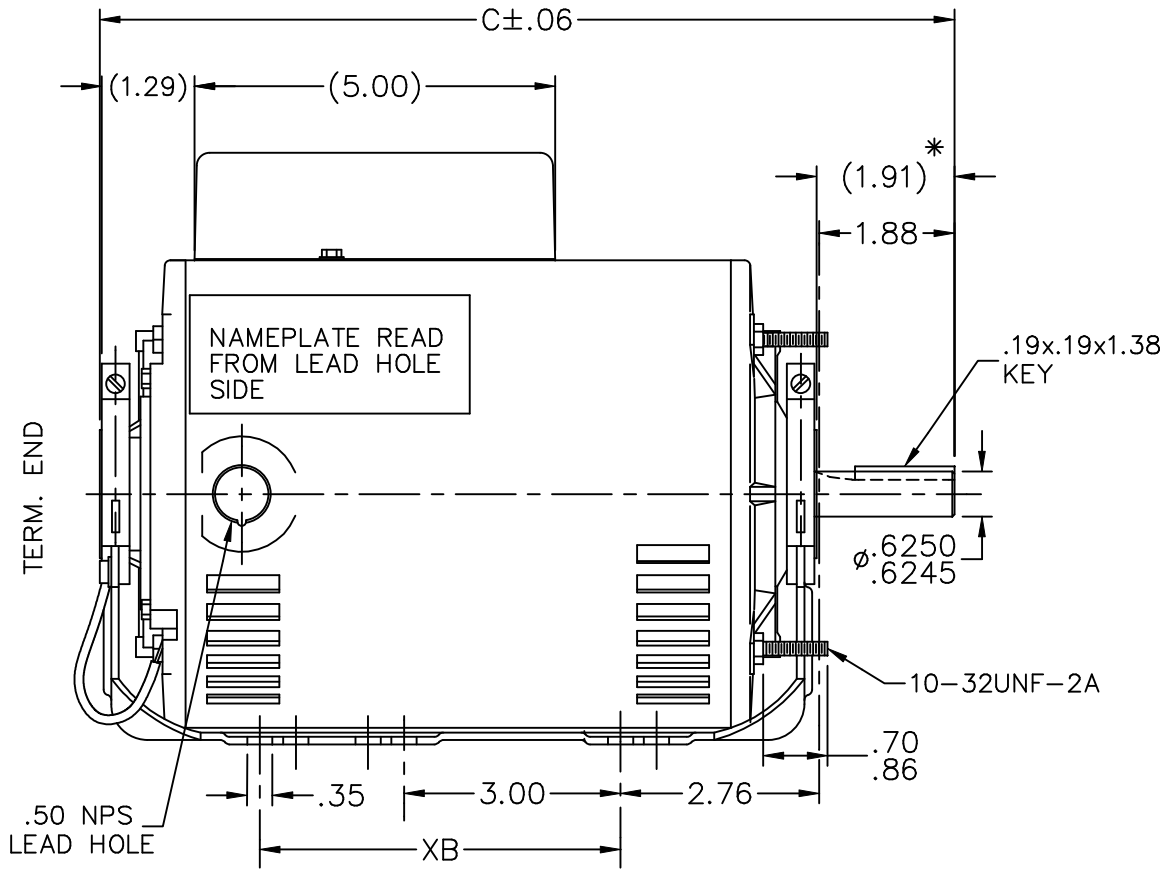
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	12.8/6.4-6.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	72 %	Duty	Continuous
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	H	Frame	56
Enclosure	Drip Proof	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	22		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Mounting	Resilient Base - Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	11.35 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 Only
Outline Drawing	A-100136-706	Connection Diagram	102005-2

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* DIMENSION IS FROM RESILIENT RING END CAP TO END OF SHAFT

DASH	FR.	C	XB		DASH	FR.	C	XB	
					856	56-85	12.85	5.00	
706	56-70	11.35	0						
756	"-75	11.85	5.00						

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
9	REDRAWN IN AUTOCAD	TAT 09-01-2004	ML	.XX	±.03
8	DIM. .70/.86 WAS .77/.89	CN 19366	AJS	12-02-1994	.XXX ±.005
7	REDRAWN ON CADD	KL 08-06-1993		.XXXX	±.0005
				ANG	±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
56 FR. - BB - 1ø - DR.PR.

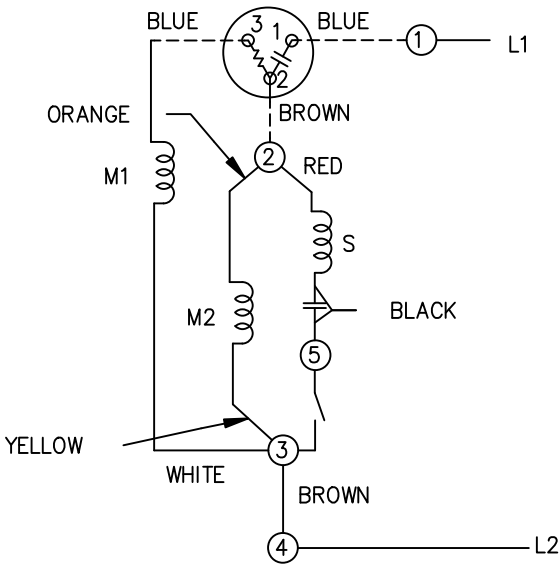
MAT'L.
FINISH

RFP
DIST WP

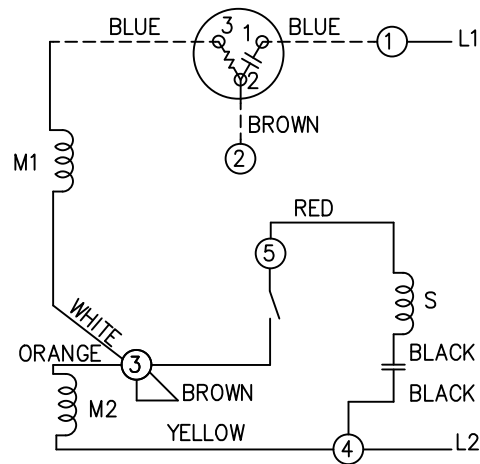
CAD FILE 100136

DRAWN	KL 08-05-1993
CHK	ML 08-06-1993
APPD	ET 08-06-1993
SCALE	3=8
REF	
FMF	
PREV	
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REV.	9

LOW VOLTAGE - C.C.W.



HIGH VOLTAGE - C.C.W.



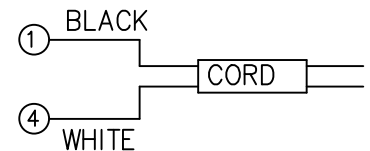
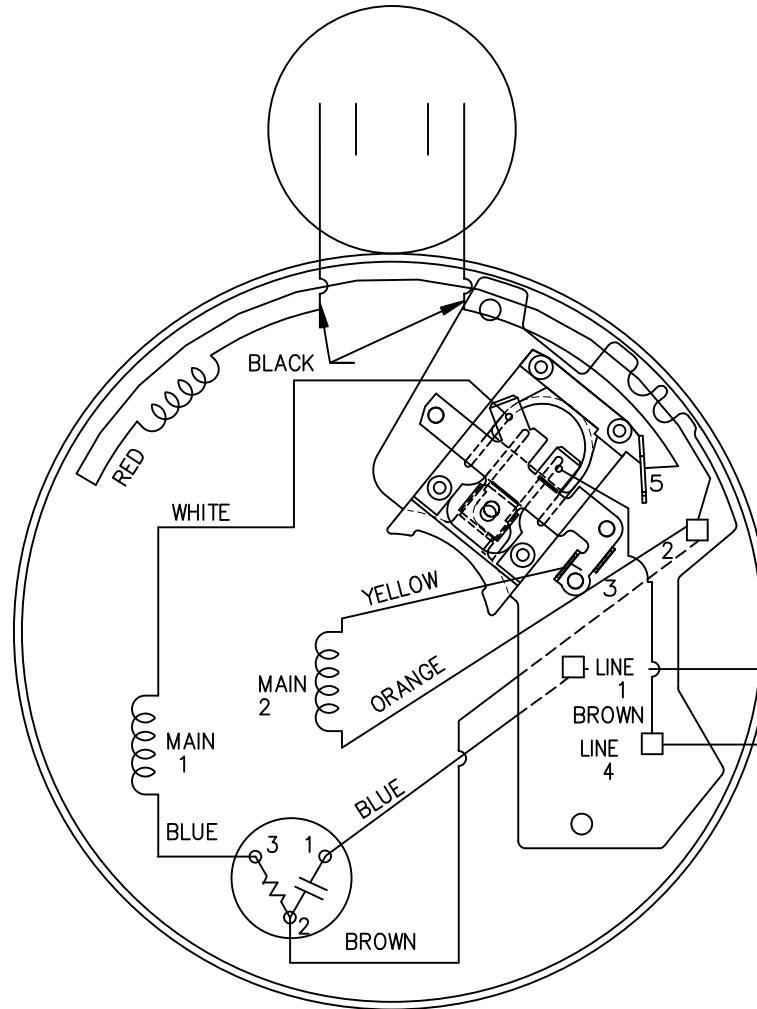
VIEWING TERM END

102005-2

DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROT.

LOW VOLTAGE C.C.W. ROTATION SHOWN. TO REVERSE INTERCHANGE RED WITH BLACK LEAD ON TERMS 2 AND 5.

FOR HIGH VOLTAGE C.C.W. ROT. FIRST REMOVE BROWN JUMPER FROM TERM. 4 AND ATTACH TO TERM.3 AND CONNECT YELLOW LEAD TO TERM.4 AND ORANGE LEAD TO TERM 3. CONNECT RED LEAD TO TERM #5 AND BLACK LEAD FROM TERM #5 TO TERM #4. TO REVERSE INTERCHANGE RED WITH BLACK LEAD ON TERMS 5 AND 4.



CONNECTION FOR CORD

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	REGAL-BELOIT <i>Motor Technologies Group</i>		DRAWN PGK 06-20-1996
11	ADD NOTE ISAAC 10-3333	TF 9/27/2010	DEC.	INCHES			TITLE CONNECTION DIAGRAM		CHK MRB 07-18-1996
10	UPDATED WIRING HARNESS CONNECTIONS CN 32007	DRS 01-14-2003	ML	.X	±.1				APPD GK 07-18-1996
9	ADDED CONNECTION FOR WIRING HARNESS	KJC 12-17-2002	SAS	.XX	±.03		SCALE 5=8		
8	RE-ISSUE FOR CLARITY	PGK 08-21-1996		.XXX	±.005		REF		
7	REDRAWN ON CADD, NO CHANGES	PGK 07-18-1996		.XXXX	±.0005	MAT'L.	FMF		
					±.7'30"		PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		CAD FILE 102005_2	SIZE A	DRAWING NO. 102005-2	PAGE OF	REV. 11
			DIST						

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CERTIFICATION DATA SHEET

Model#: 56C17D5322 H WINDING#: ZC409 NONE 3
 CONN. DIAGRAM: 102005-2 ASSEMBLY: F1 ONLY
 OUTLINE: A-100136-706

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1725	56	DP	H	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	12.8/6.4-6.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 72	1/2 LOAD EFF: 67	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 59.5	1/2 LOAD PF: 48	0	CAP START IND RUN	8.9 / 4.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	62.4 / 31.2	4 LB-FT 0	7 LB-FT 0	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	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	STANDARD	RESILIENT BASE- EXTENDED STUDS	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	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

** Subject to change without notice.