

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056C17W5327
Catalog No: N523
1/2,1800,TEFC,56C,1/60/115/208-230
Washdown Duty



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REGAL

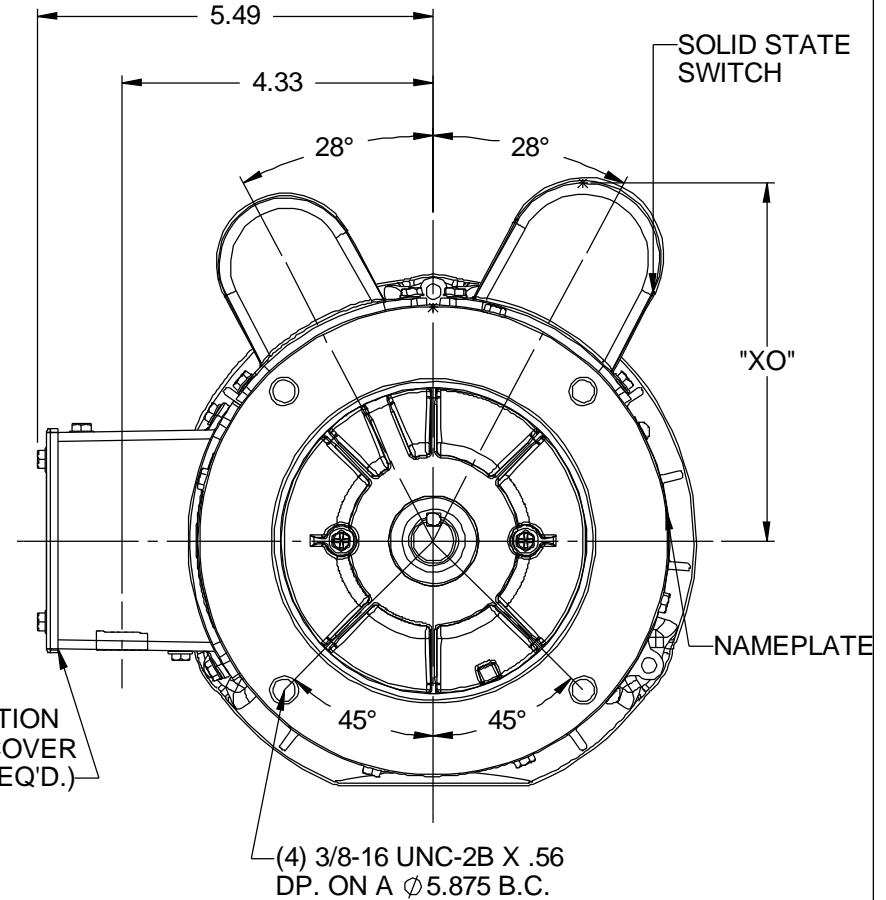
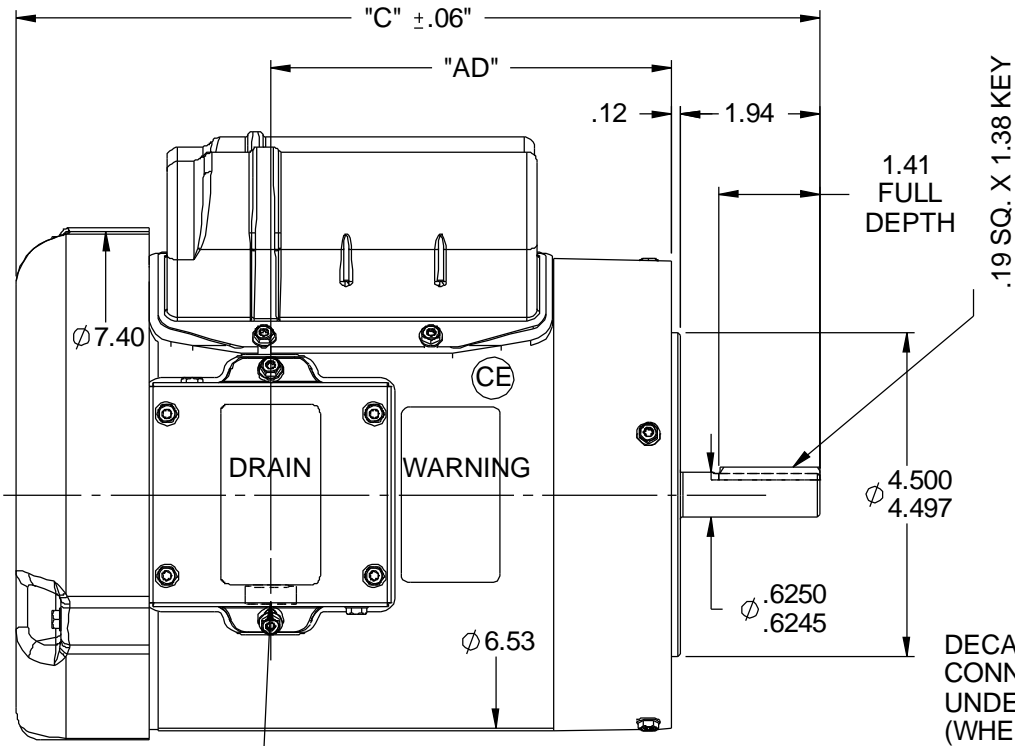


Nameplate Specifications

Output HP	0.5 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	8.8/4.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	66 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	L
KVA Code	L	Frame	56C
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	CAP START IND RUN	Starting Method	ACROSS THE LINE
Poles	4	Rotation	SELECTIVE CCW
Mounting	ROUND	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	STANDARD 56
Overall Length	11.16 in	Frame Length	5.5 in
Shaft Diameter	0.63 in	Shaft Extension	1.93 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028843-550B	Connection Diagram	005278.01ME



SPECIAL FEATURES:

- 1) SHAFT SEALS & V-RING
- 2) DRAIN HOLES IN BOTH ENDBELLS & CONDUIT BOX
- 3) GASKETS THROUGHOUT
- 4) STAINLESS STEEL SHAFT, HARDWARE, & NAMEPLATE

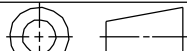
DASH NO.	"C"	"AD"
450	10.16	4.57
500	10.66	5.07
550	11.16	5.57
600	11.66	6.07
650	12.16	6.57
700	12.66	7.07

CAP. DASH	"XO"
A	4.33
B	4.78
C	5.00

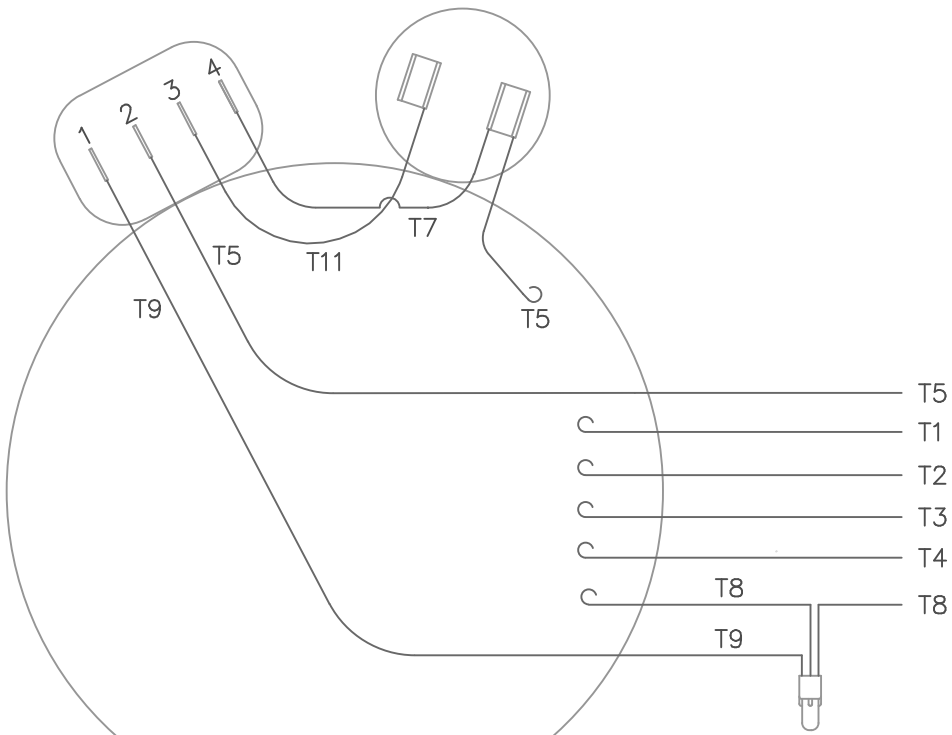
MAXIMUM FACE RUNOUT .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED	MARATHON ELECTRIC	DRAWN LST 6/2/08	
				DEC INCHES		CHK	
				.X ±.1		APPR	
				.XX ±.03		SCALE 3:8	
				.XXX ±.005		REF	
01	UPDATE PER ECR-0034519	LST 4/26/2013	XX	.XXXX ±.0005	TITLE OUTLINE 56C FRAME TEFC "C" FACE	FMF	
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	MAT'L WASHGUARD	PAGE OF	
				RFP	PREV	SIZE A	DRAWING NO 028843
						REV 01	

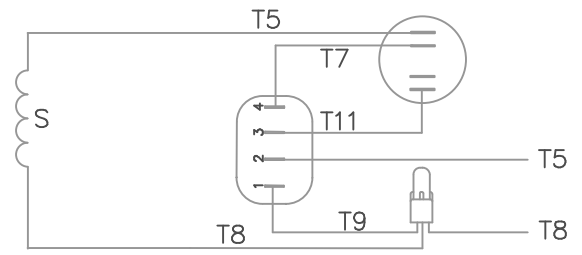
THIRD ANGLE PROJECTION





VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
HIGH VOLT	C.C.W.	T1	T4 T5	T2,T3 T8
	C.W.	T1	T4 T8	T2,T3 T5
LOW VOLT	C.C.W.	T1,T3 T8	T2,T4 T5	
	C.W.	T1,T3 T5	T2,T4 T8	

				TOLERANCES UNLESS SPECIFIED		 	DRAWN RDW 04/18/02				
				DEC.	INCHES		CHK				
				.X	±.1		APPD KMM 04/18/02				
				.XX	±.01		TITLE	EXTERNAL WIRING DIAGRAM		SCALE 1=1	
				.XXX	±.005			TYPE "C" W/O PROTECTOR		REF	
				.XXXX	±.0005	MAT'L.	DECAL - 004012		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH			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	04/18/02		CAD FILE		00527801ME	SIZE	DRAWING NO.	REV.
			DIST						A	005278-01ME	

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CERTIFICATION DATA SHEET

Model#: 56C17W5327 A **WINDING#:** C634257 FR 3
CONN. DIAGRAM: 005278.01ME **ASSEMBLY:** F1 ONLY
OUTLINE: 028843-550

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1725	56C	TEFC	L	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	8.8/4.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 66	3/4 LOAD EFF: 59.3	1/2 LOAD EFF: 50.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 58	3/4 LOAD PF: 51.7	1/2 LOAD PF: 42.9	0	CAP START IND RUN	7.4 / 3.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 LB-FT	40.6 / 20.3	86.4 LB-FT 357	67.3 LB-FT 272	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
52 dBA	62 dBA	0.06 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
BALL	BALL						
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

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

DATE: 06/27/2017 07:28:03 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.