

PRODUCT INFORMATION PACKET



Model No: M4C17FC33B

Catalog No: 102865.00

1/2HP..1725RPM.S56C.TEFC.115/208-230V.1PH.60HZ.CONT.40C.1.15SF.ROUND.M4C17FC33B.....S56C
PLATFORM MODEL.MANUAL.....
Totally Enclosed Fan Cooled (TEFC)



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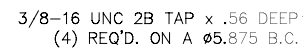


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	8.0/3.8-4.0 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	66 %	Duty	Continuous
Insulation Class	F	Design Code	NO DESIGN CODE
KVA Code	L	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	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	10.69 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	031649-600	Connection Diagram	005003.52



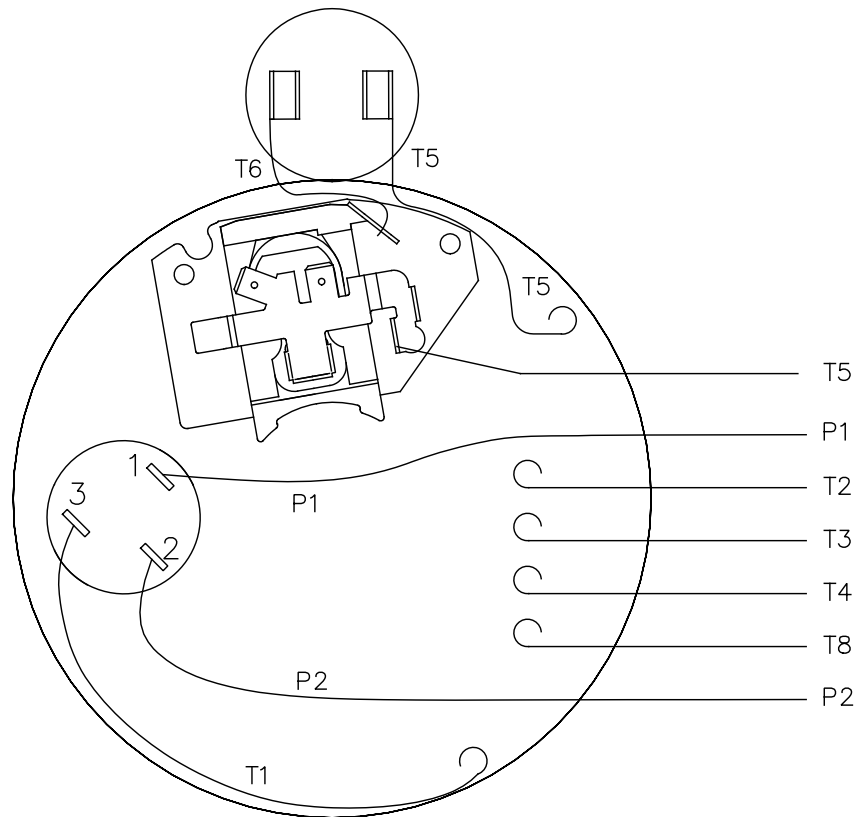
DASH NO.	"C"	"AD"
475	9.44	4.25
500	9.69	4.50
525	9.94	4.75
550	10.19	5.00
575	10.44	5.25
600	10.69	5.50
625	10.94	5.75
650	11.19	6.00
675	11.44	6.25
700	11.69	6.50
725	11.94	6.75
750	12.19	7.00

GASKETS THROUGHOUT

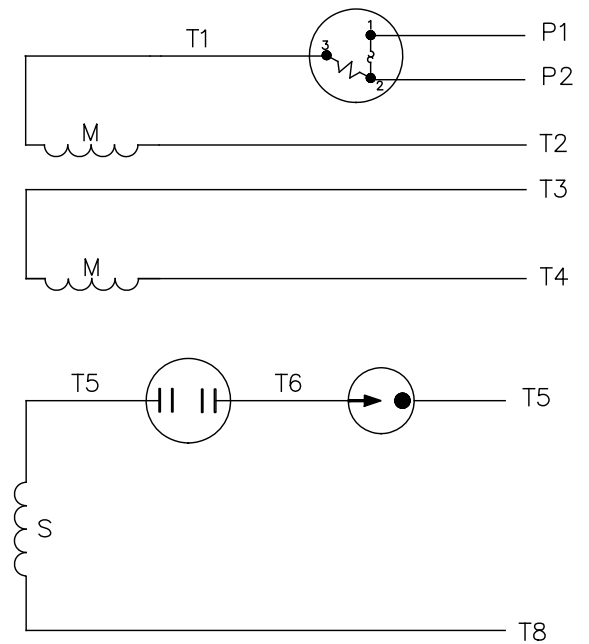
ORACLE REV	004
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					TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 9/24/01	
				DEC.	INCHES			CHK	
K	ADDED (WHEN REQ'D) TO WARNING DECAL ECO 0086600	GWS 10/7/15	.X	±.1				APPD	
J	ADDED WARNING DECAL	SL 09/30/15	VS .XX	±.03	TITLE			OUTLINE — S56C FRAME "C" FACE MOUNT — TEFC	SCALE 1=2
H	ADDED DASH NO. 475 (102866.00)	PG 10/28/03	.XXX	±.005				REF 030521	
G	REVISED CALLOUT FOR GD&T	KMM 6/6/02	.XXXX	±.0005	MAT'L			1 PHASE	FMF 101766
NO.	REVISION	BY & DATE	CHK ANG	±1/2"	FINISH		PREV		
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



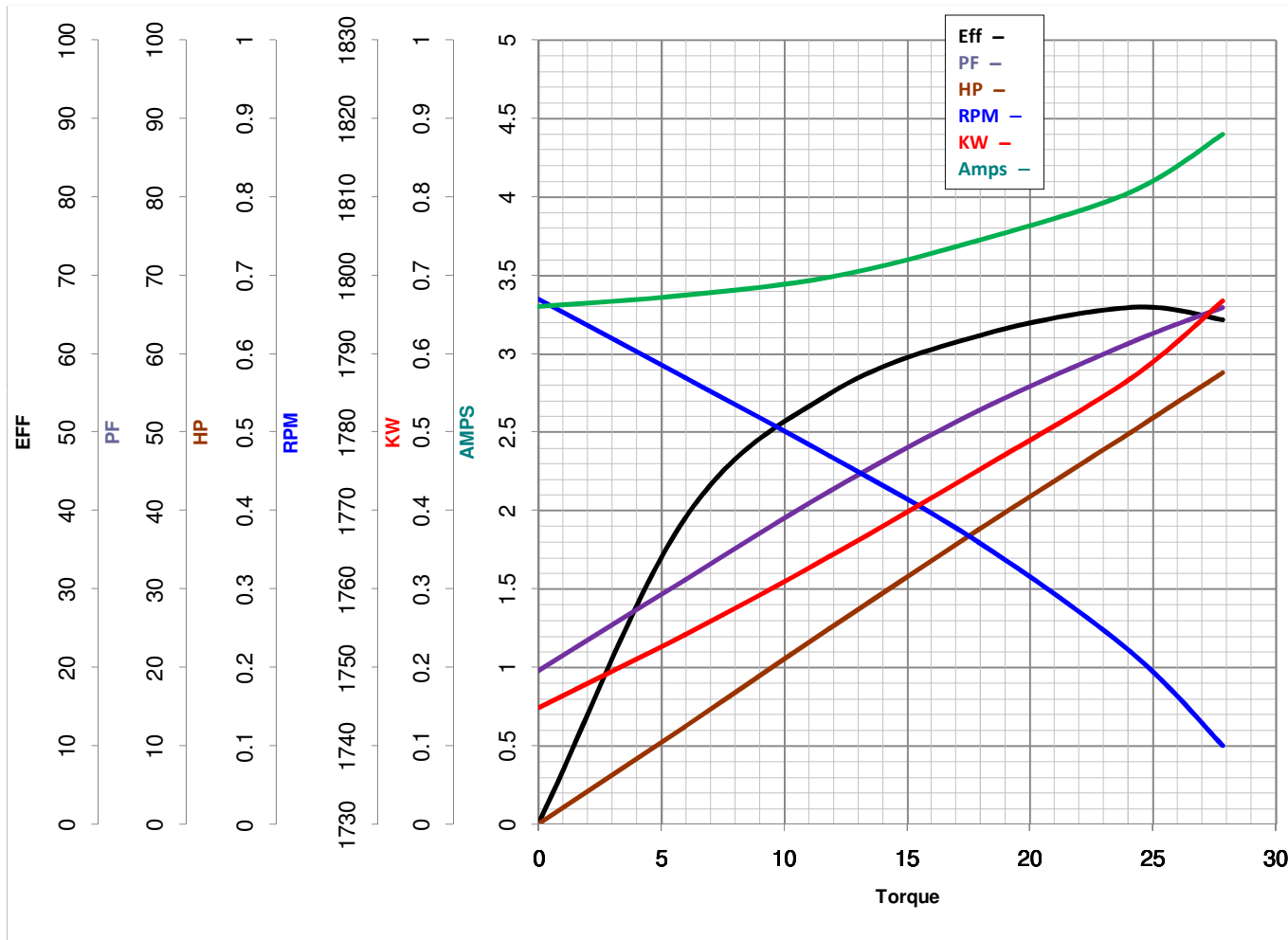
	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	--
	C.W.	P1	T2,T4 T8	P2,T3 T5	--

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.		DRAWN PG 6/8/01		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
02	CHANGED CAMPANY LOGO ONLY	AS 11/08/16		.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR		REF 005003-01		
01	MOVED T5 TO "INSIDE" SWITCH TERMINAL	PG 8/2/01	CD	.XXXX	±.0005			FMF 100002		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH DECAL - 004011		PREV		
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			DIST					005003-52		



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 102865.00Curve at 230
60
0.5Volts
HZ
HPHP 0.50PHASE 1VOLTS 115/208-230Catalog No 102865.00HZ 60RPM 1725

Torque in Oz.Ft

FL TORQUE 24.09 Oz.Ft
 BD TORQUE 64.2 Oz.Ft
 LR TORQUE 84.1 Oz.Ft
 WINDING CE484212-3

FL AMPS 8/3.8-4
 PU TORQUE 54.1 Oz.Ft
 LR AMPS 20.7
 Date 3/13/2018