

# PRODUCT INFORMATION PACKET

Model No: 182TCFW7072

Catalog No: Z119A

General Purpose Farm Duty Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 182T Frame, TEFC



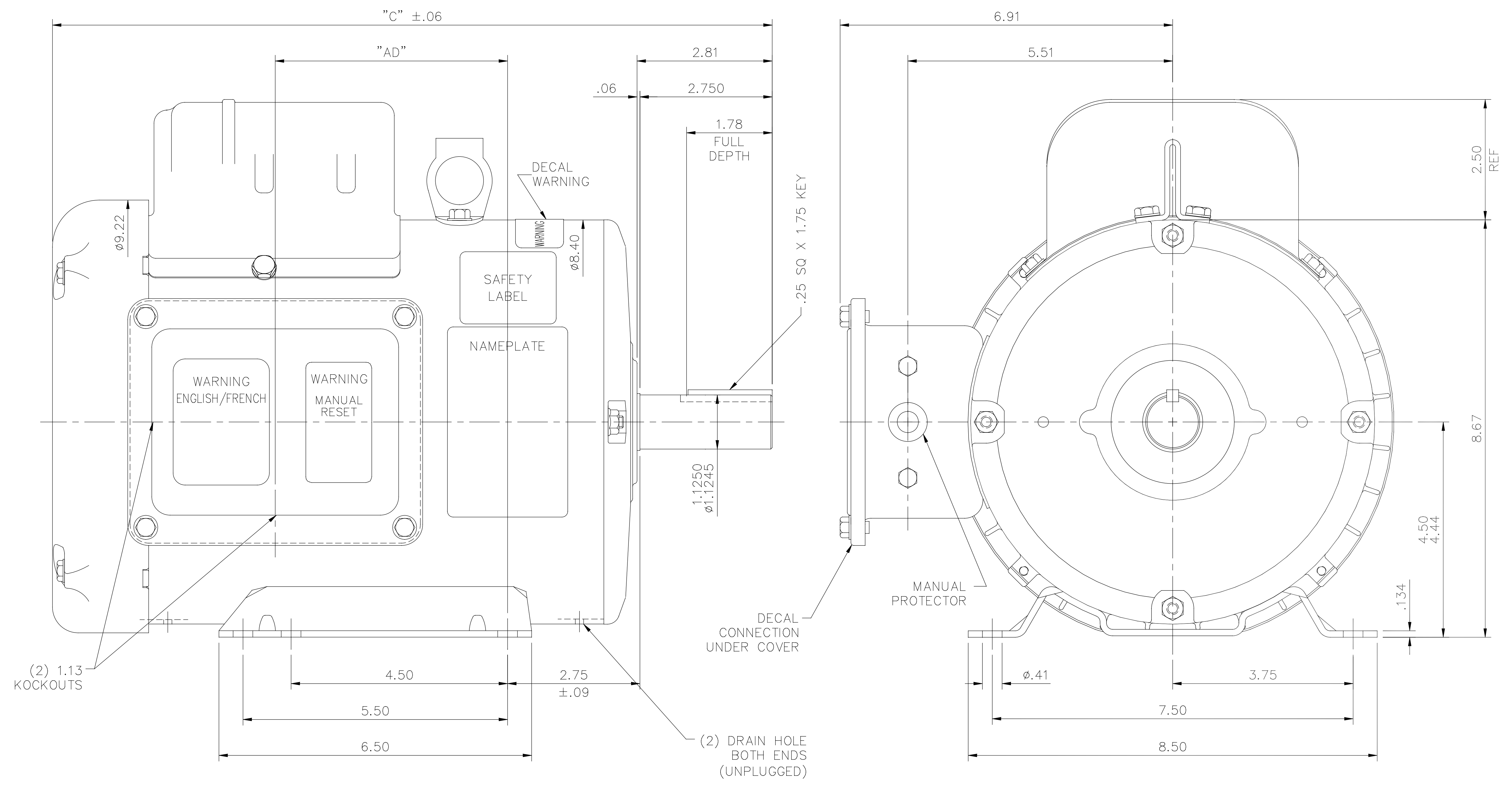
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**Nameplate Specifications**

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>24.0/12.0 A</b>	Speed	<b>1735 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>72 %</b>	Power Factor	<b>74.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>L</b>	KVA Code	<b>J</b>
Frame	<b>182T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6206</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized ( Not Protector)</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

**Technical Specifications**

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>14.46 in</b>
Frame Length	<b>9.00 in</b>	Shaft Diameter	<b>1.125 in</b>
Shaft Extension	<b>2.81 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>035584-900</b>	Connection Drawing	<b>005067.02ME</b>



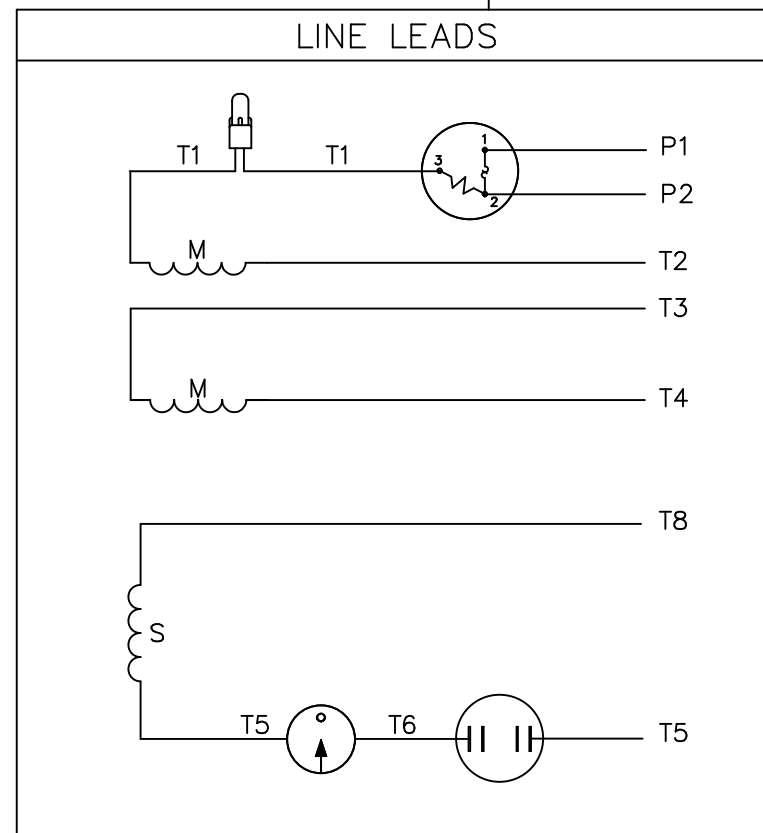
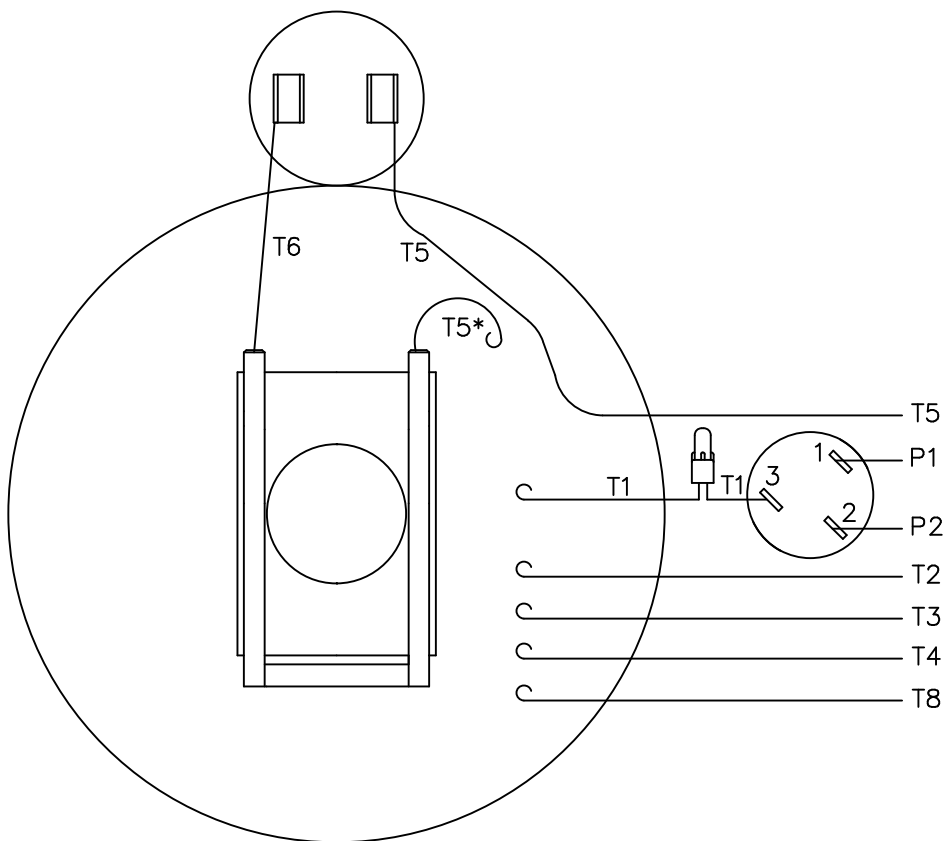
GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
900	14.46	4.33
950	14.96	4.83
1000	15.46	5.33
1050	15.96	5.83
1100	16.46	6.33
1150	16.96	6.83
1200	17.46	7.33

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWING NO.	REV.
					DEC.	INCHES			
03	DRAIN HOLES ADDED	KIR 02/08/16	SS	.XX	±.03	TITLE		184TBFW7070	
02	MANUAL PROT. DECAL WAS 004075-01	GWS 3/5/10		.XXX	±.005	REGAL™ Regal Beloit America, Inc.		035474	
01	DASH NO. 900 ADDED IN DIMENSION BOX	KVN 3/8/2008		.XXXX	±.0005	OUTLINE - 180T FRAME TEFC - RIGID		184TBFW7070	
				±1/2'		MAT'L.			
						CAD FILE		035584	
						SIZE		B	
						DRAWING NO.		035584	
						REV.		03	

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	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	

\* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 6/19/03	
		DEC.	INCHES			CHK	
		.X	±.1			APPD KJH 6/19/03	
		.XX	±.01	TITLE		SCALE 1=1	
		.XXX	±.005	EXT. WIRING DIAGRAM		REF	
		.XXXX	±.0005	MAT'L. DECAL - 004011		FMF 139052	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
			RFP	6/19/03	CAD FILE 00506702ME	SIZE A	DRAWING NO. 005067-02ME
			DIST				REV.

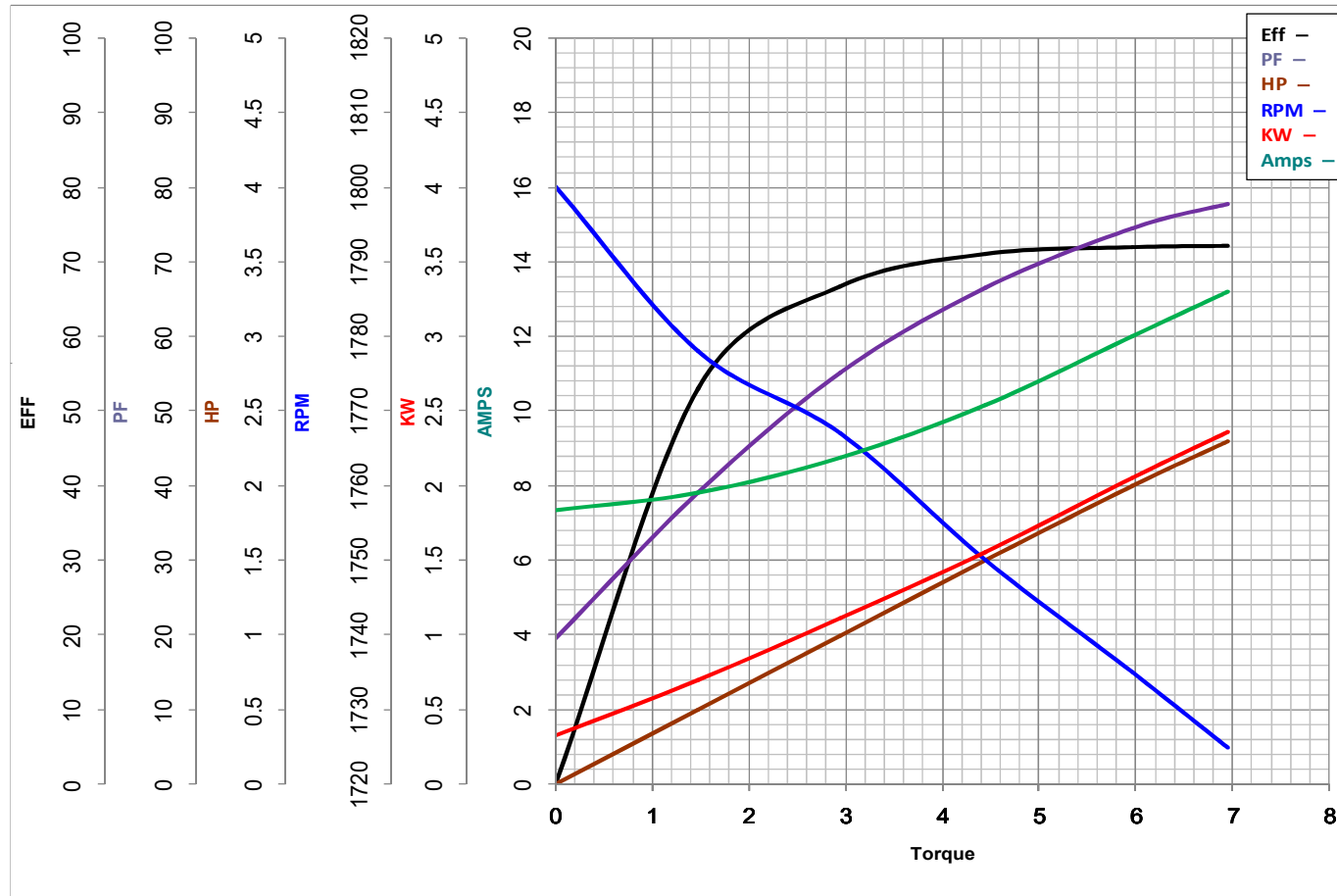
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**MARATHON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer \_\_\_\_\_ Curve at 230 Volts HP 2.00 PHASE 1  
60 HZ  
2 HP VOLTS 115/230  
 Catalog No Z119A HZ 60 RPM 1735



		Torque in Lb.Ft			
FL TORQUE	<u>5.96</u>	Lb.Ft	FL AMPS	<u>24/12</u>	
BD TORQUE	<u>14.8</u>	Lb.Ft	PU TORQUE	<u>11.2</u>	Lb.Ft
LR TORQUE	<u>15</u>	Lb.Ft	LR AMPS	<u>72.5</u>	
WINDING	C8436-3		Date	1/9/2019	