

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 182TCDW17084  
Catalog No: I141A  
1,1200,DP,182T,1/60/115/230  
Open Drip Proof (ODP)



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**REGAL**<sup>®</sup>

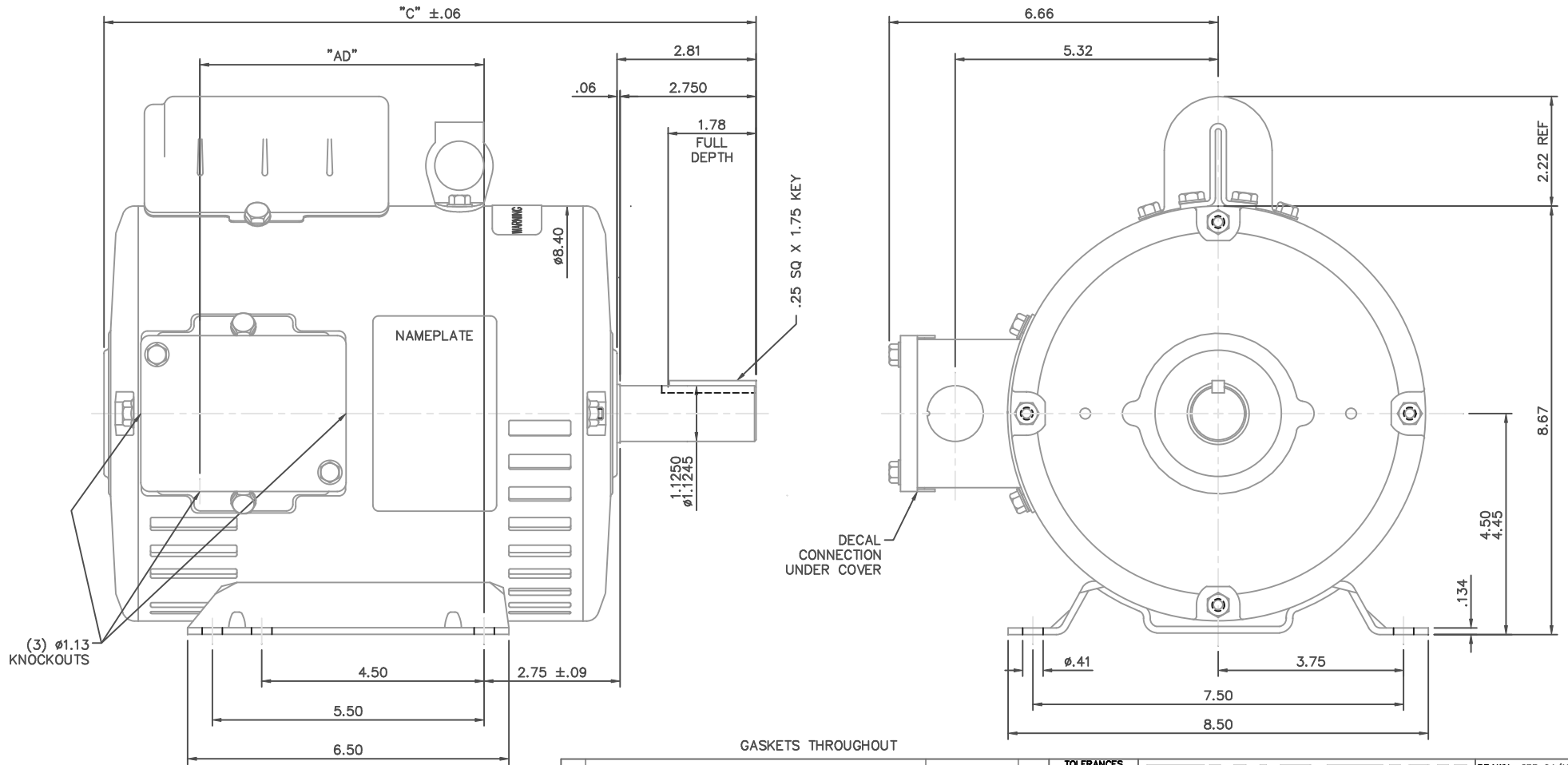
**Nameplate Specifications**

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/230 V</b>
Current	<b>15.6/7.8 A</b>	Speed	<b>1165 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>68 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>L</b>
KVA Code	<b>K</b>	Frame	<b>182T</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</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</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

**Technical Specifications**

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Selective Counterclockwise</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>14.19 in</b>	Frame Length	<b>10.00 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>035668-1000</b>	Connection Diagram	<b>005062.01ME</b>

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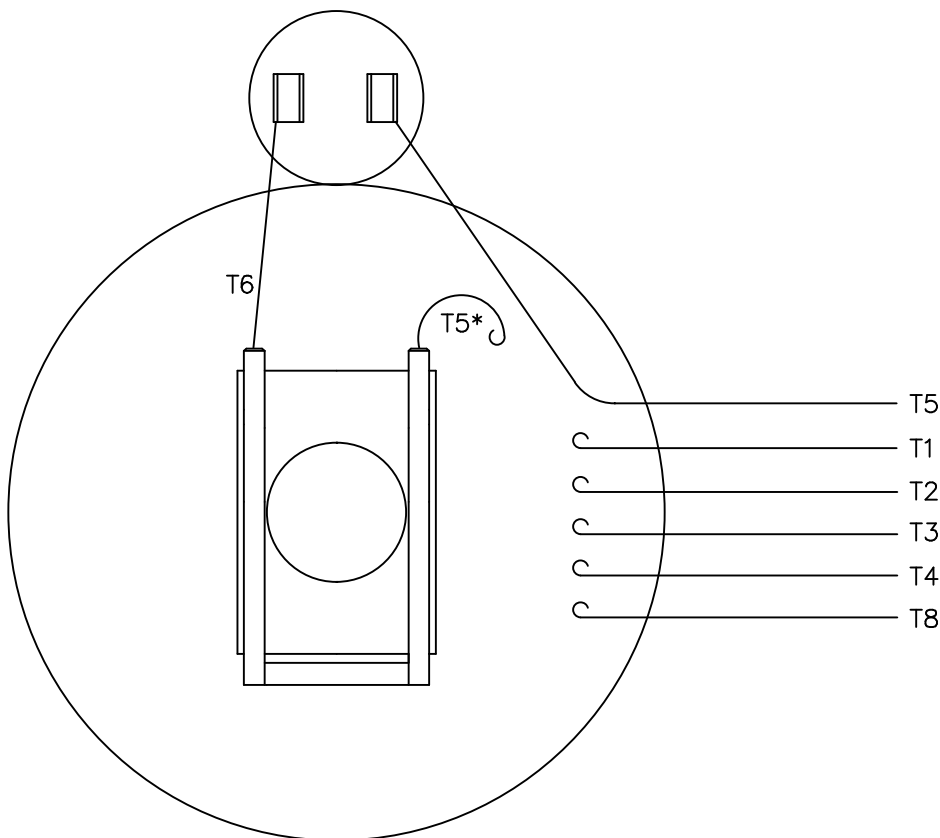
DASH NO.	"C"	"AD"
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25

NO.		REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV				
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							DIST		B	035668		

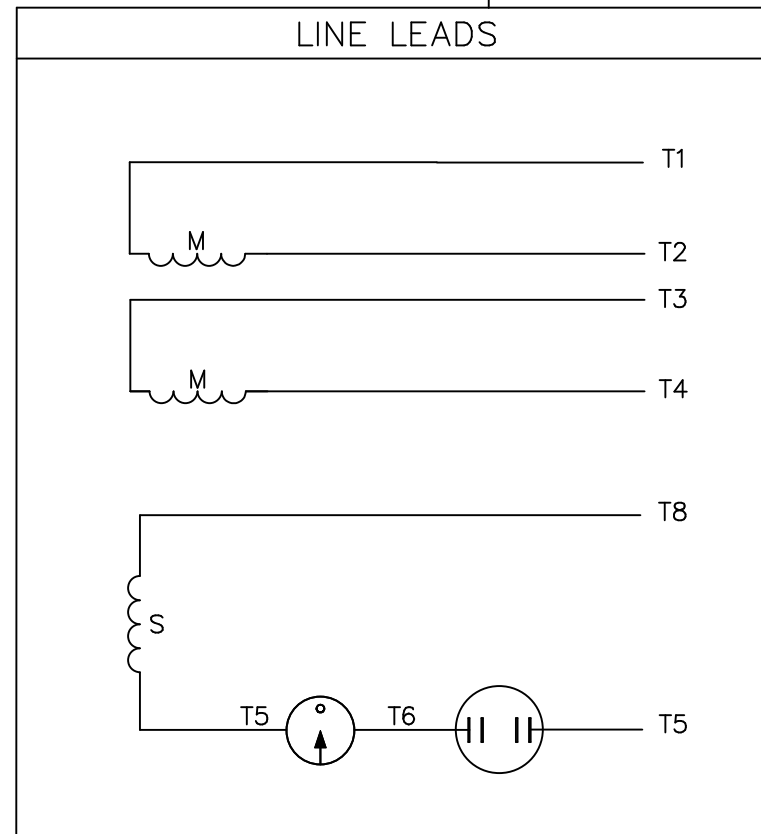
TOLERANCES UNLESS SPECIFIED			DRAWN GRB 04/18/08	
DEC.	INCHES		CHK	
.X	±.1		APPD	
.XX	±.03		SCALE 1=2	
.XXX	±.005		REF 035472	
.XXXX	±.0005	FMF		
		PREV		

TITLE		SCALE	
OUTLINE- 180T FRAME		1=2	
DRIP PROOF- RIGID		REF 035472	
MAT'L		FMF	
RFP		CAD FILE	
DIST		035668	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\* THIS LEAD MAY BE WHITE



	ROTATION FACING LEAD END	L1	L2	JOIN
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			
		DEC.	INCHES		
		.X	±.1		
		.XX	±.01		
		.XXX	±.005		
		.XXXX	±.0005		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'

**MARATHON**  
**ELECTRIC**

TITLE  
EXT. WIRING DIAGRAM  
TYPE "C" W/O PROTECTOR

MAT'L.  
DECAL - 004012

FINISH

DRAWN RDW 6/30/03

CHK

APPD

SCALE 1=1

REF

FMF 139043

PREV

RFP	CAD FILE 00506201ME	SIZE A	DRAWING NO. 005062-01ME	REV.
DIST				

**CERTIFICATION DATA SHEET**

**Model#:** 182TCDW17084 AA      **WINDING#:** C8610 R1 3  
**CONN. DIAGRAM:** 005062.01ME      **ASSEMBLY:** F1 ONLY  
**OUTLINE:** 035668-1000

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN			
1	.75	1200	1165	182T	DP	K	L			
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION	
1	60	115/230	15.6/7.8	ACROSS THE LINE	CONTINUOUS	B4	1.15	40	3300	
FULL LOAD EFF: 68		3/4 LOAD EFF: 66.4		1/2 LOAD EFF: 60.8		GTD. EFF		ELEC. TYPE		NO LOAD AMPS
FULL LOAD PF: 61.5		3/4 LOAD PF: 53.5		1/2 LOAD PF: 43.2		0		CAP START IND RUN		11.2 / 5.6
F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C		
4.5 LB-FT		68.8 / 34.4		12.9 LB-FT 287		9.7 LB-FT 216		50		
SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT				
- dBA	- dBA	0 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
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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

If Inverter equals NONE, contact factory for further information

\*  
N  
O  
T  
E  
S  
\*

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: 06/21/2017 11:31:47 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.