

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TBDW7656

Catalog No: Z506A

Air Compressor Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, DP



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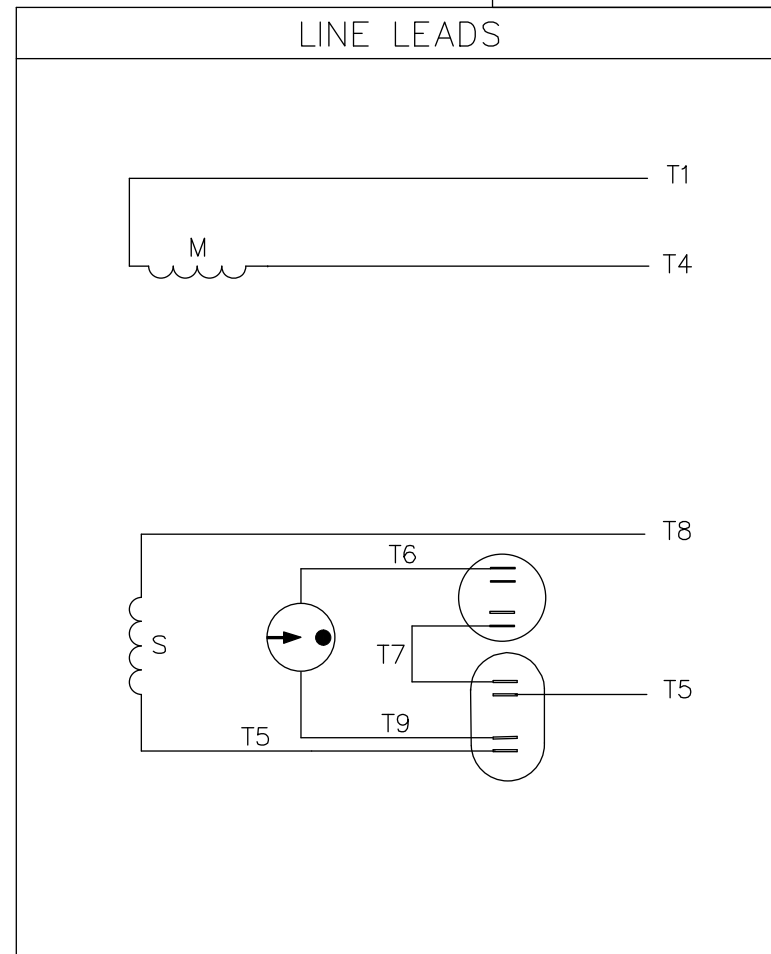
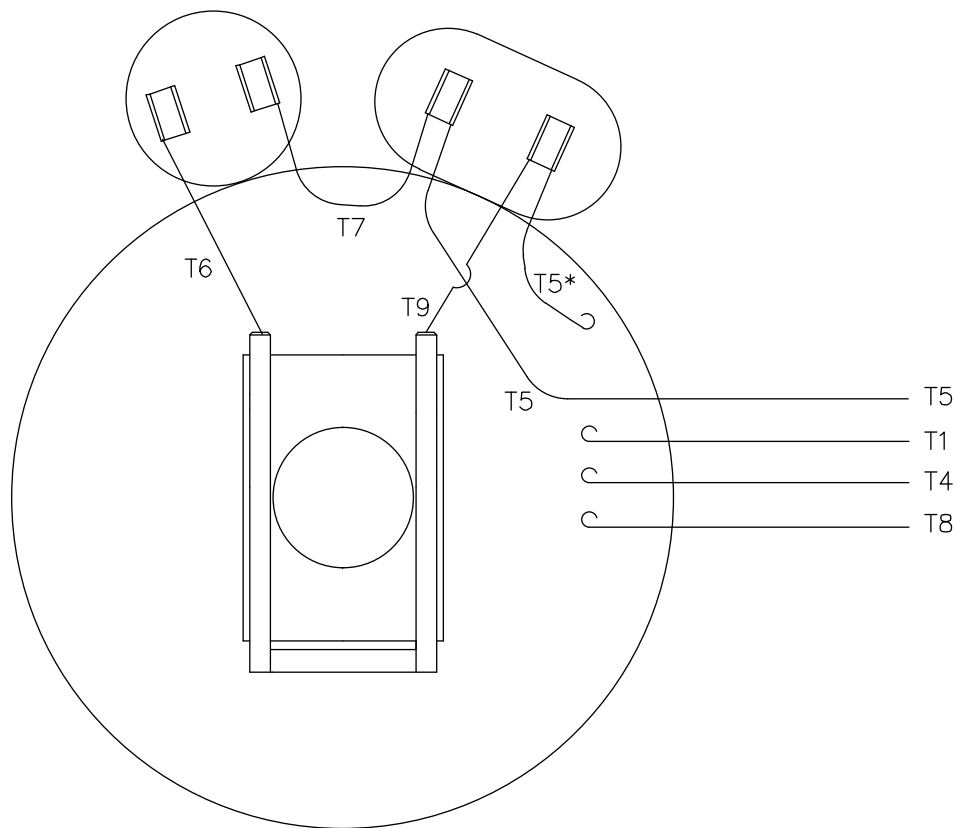
Nameplate Specifications

Phase	1	Output HP	5 Hp
Output KW	3.7 kW	Voltage	208-230 V
Speed	1750 rpm	Service Factor	1.15
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	84 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	22.0-20.0 A	Power Factor	98
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	15.21 in
Frame Length	11.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035655-1100	Connection Drawing	005018.01ME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1,T8	T4,T5
C.W.	T1,T5	T4,T8

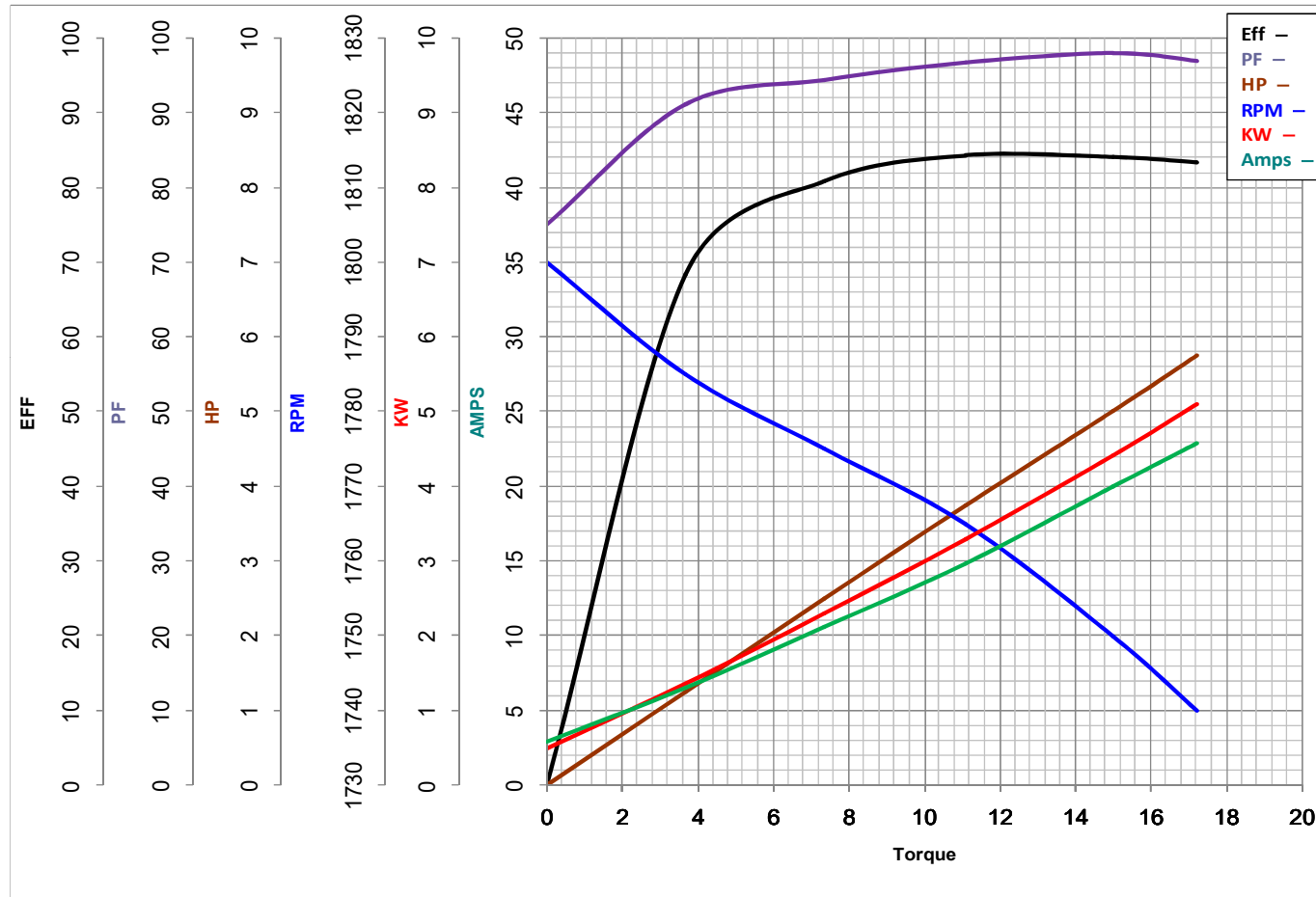
* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN RDW 6/5/03	
		DEC.	INCHES			CHK
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR	APPD	
		.XX	±.01		SCALE 1=1	
		.XXX	±.005		REF 005018	
		.XXXX	±.0005		MAT'L. DECAL - 004018	FMF 139047
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	6/5/03	CAD FILE 00501801ME	SIZE A	DRAWING NO. 005018-01ME
		DIST				REV.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 230 Volts HP 5.00 PHASE 1
60 HZ
5 HP VOLTS 208-230
 Catalog No Z506A HZ 60 RPM 1750



		Torque in Lb.Ft		
FL TORQUE	<u>15</u>	Lb.Ft	FL AMPS	<u>22-20</u>
BD TORQUE	<u>39.0</u>	Lb.Ft	PU TORQUE	<u>29.3</u>
LR TORQUE	<u>34.9</u>	Lb.Ft	LR AMPS	<u>131.5</u>
WINDING	K84104-2		Date	1/10/2019