

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TBDW17007

Catalog No: Z408A

Close-Coupled Pump Motor, 5 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 184JM Frame, DP



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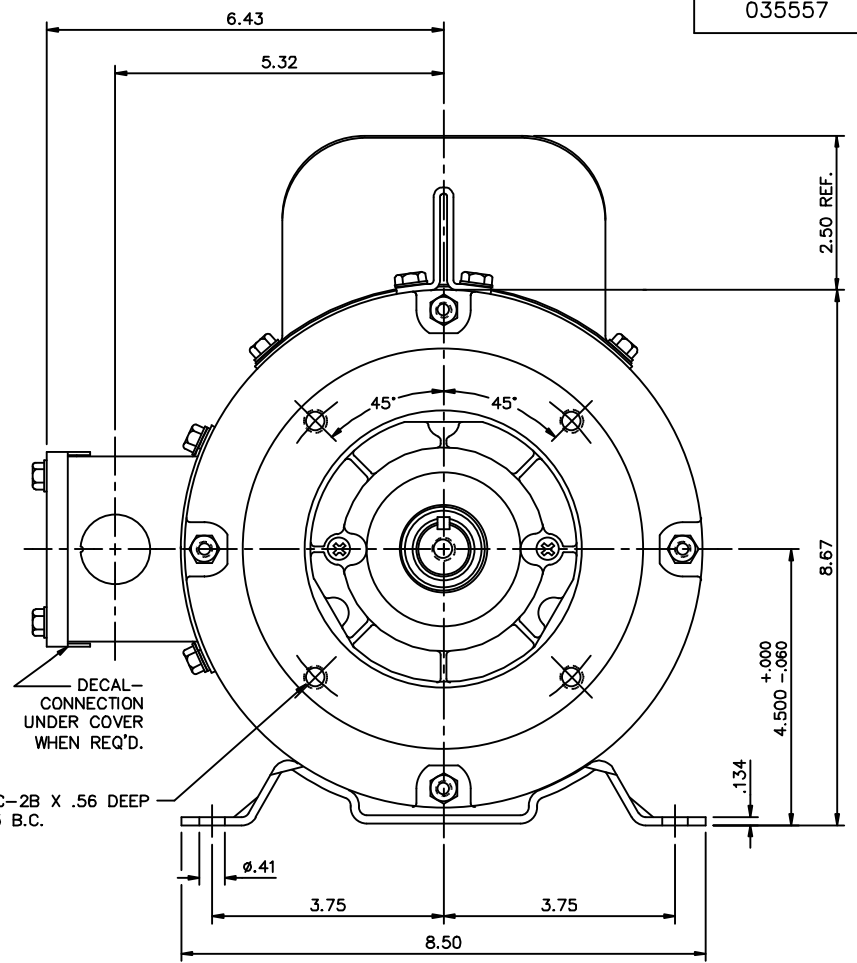
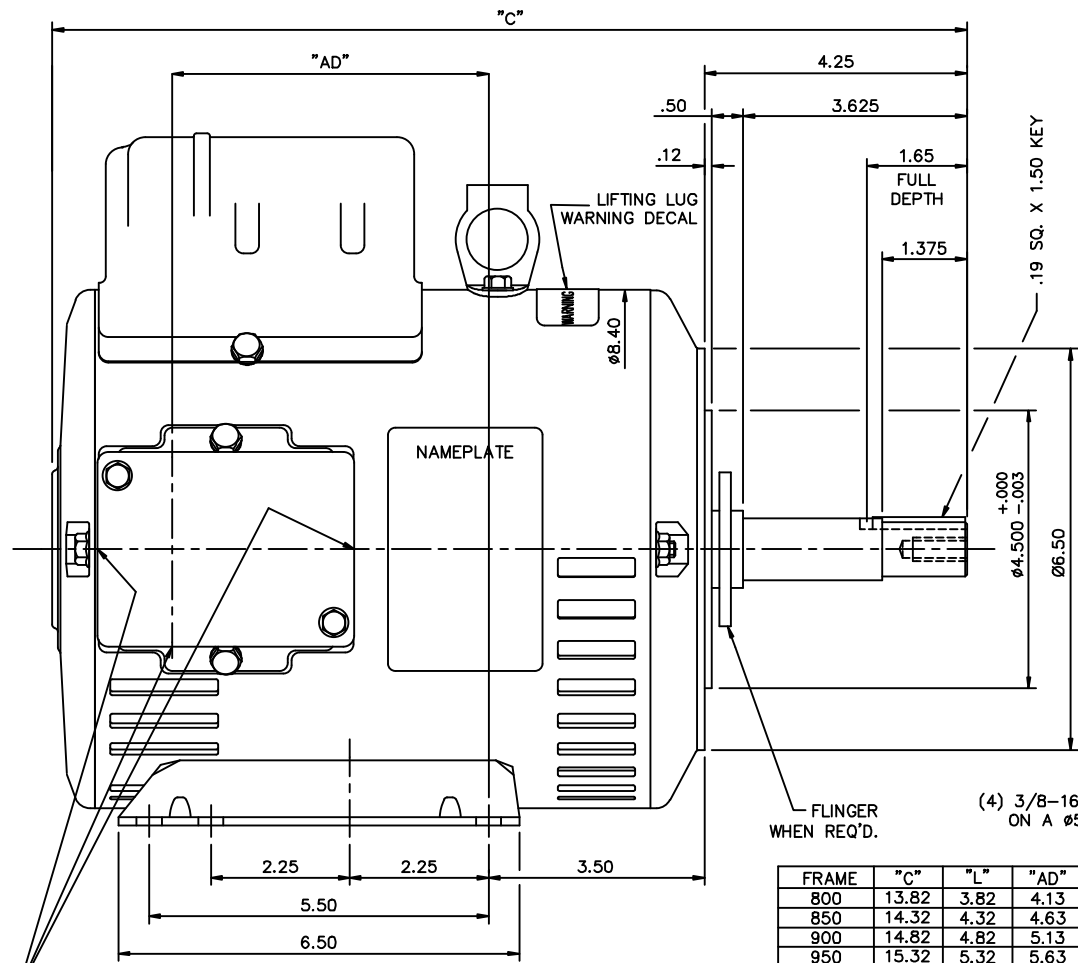


Nameplate Specifications

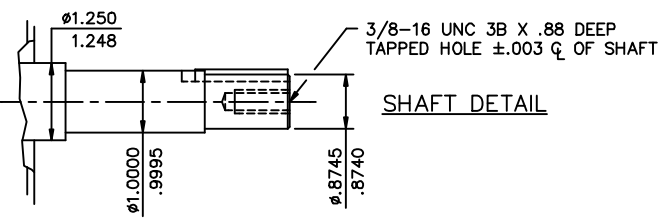
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	22.0 A	Speed	3500 rpm
Service Factor	1.15	Phase	1
Efficiency	80 %	Power Factor	92
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
Frame	184JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6207	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	2	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	JM	Overall Length	16.32 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005018.01ME	Outline Drawing	035557-1050



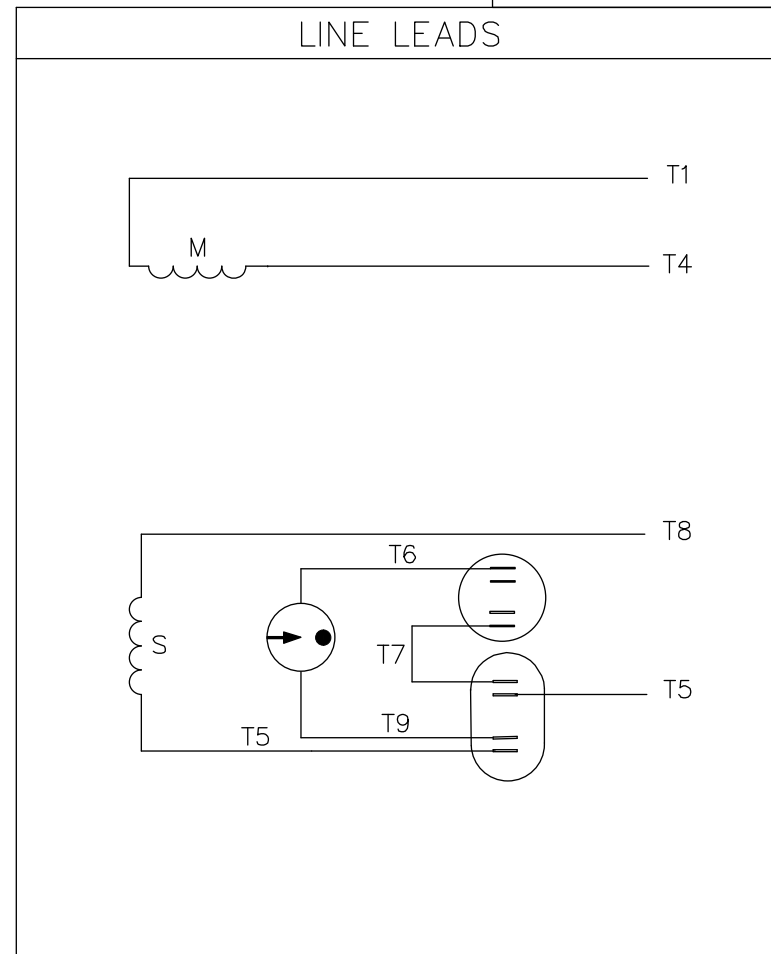
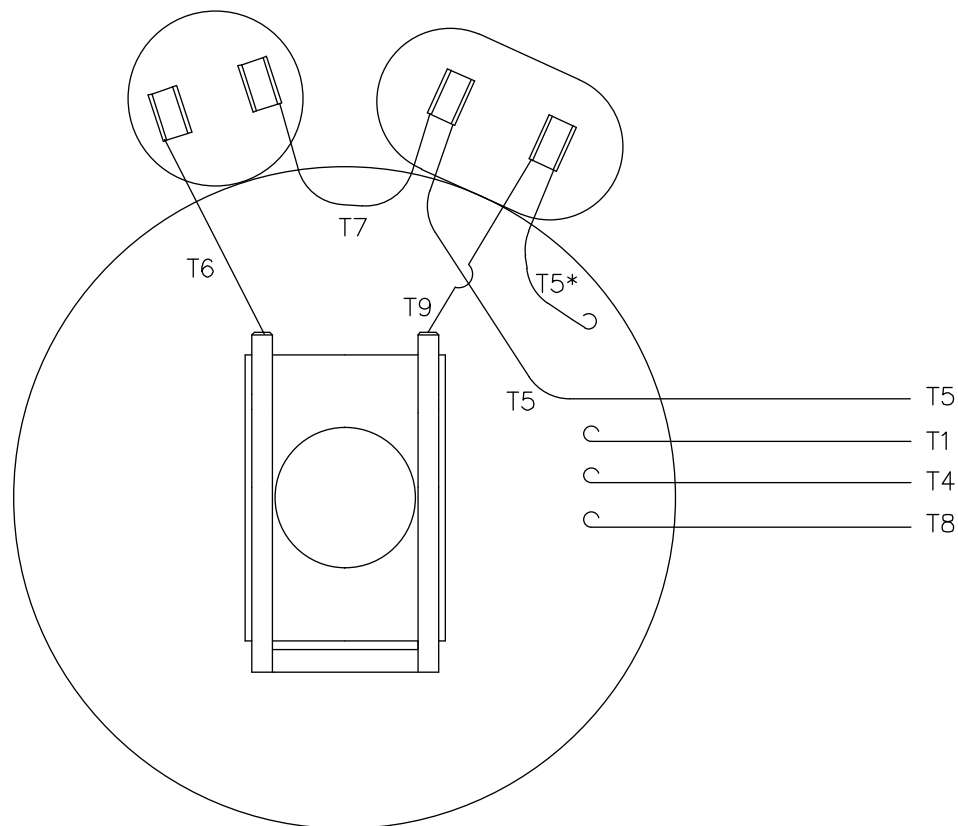
FRAME	"C"	"L"	"AD"
800	13.82	3.82	4.13
850	14.32	4.32	4.63
900	14.82	4.82	5.13
950	15.32	5.32	5.63
1000	15.82	5.82	6.13
1050	16.32	6.32	6.63
1100	16.82	6.82	7.13
1150	17.32	7.32	7.63
1200	17.82	7.82	8.13



GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN VV 08/30/07				
				DEC.	INCHES		CHK	YS 08/30/07			
				.X	±.1	TITLE	SCALE	1-2			
				.XX	±.03		OUTLINE- 180T FRAME	REF	035472		
02	ADDED FLINGER WHEN REQ'D ISAAC 12-2578	GWS	6/11/12	.XXX	±.005	DRIP PROOF- RIGID	REF	035472			
01	SHAFT HOLE WAS 3A x .56 DEEP, WARNING NOTE ADDED	JD	05/26/11	.XXXX	±.0005	MAT'L	FMF	184TCDW7047			
NO.	REVISION	BY & DATE	CHK	ANG	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	CAD FILE	035557	SIZE	DRAWING NO.	REV.
						DIST			B	035557	02

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		DRAWN RDW 6/5/03	
		DEC.	INCHES	CHK	
		.X	±.1	APPD	
		.XX	±.01	SCALE 1=1	
		.XXX	±.005	REF 005018	
		.XXXX	±.0005	FMF 139047	
NO.	REVISION	BY & DATE	CHK	ANG	PREV
			RFP	6/5/03	CAD FILE 00501801ME
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					DRAWING NO. 005018-01ME
					REV.

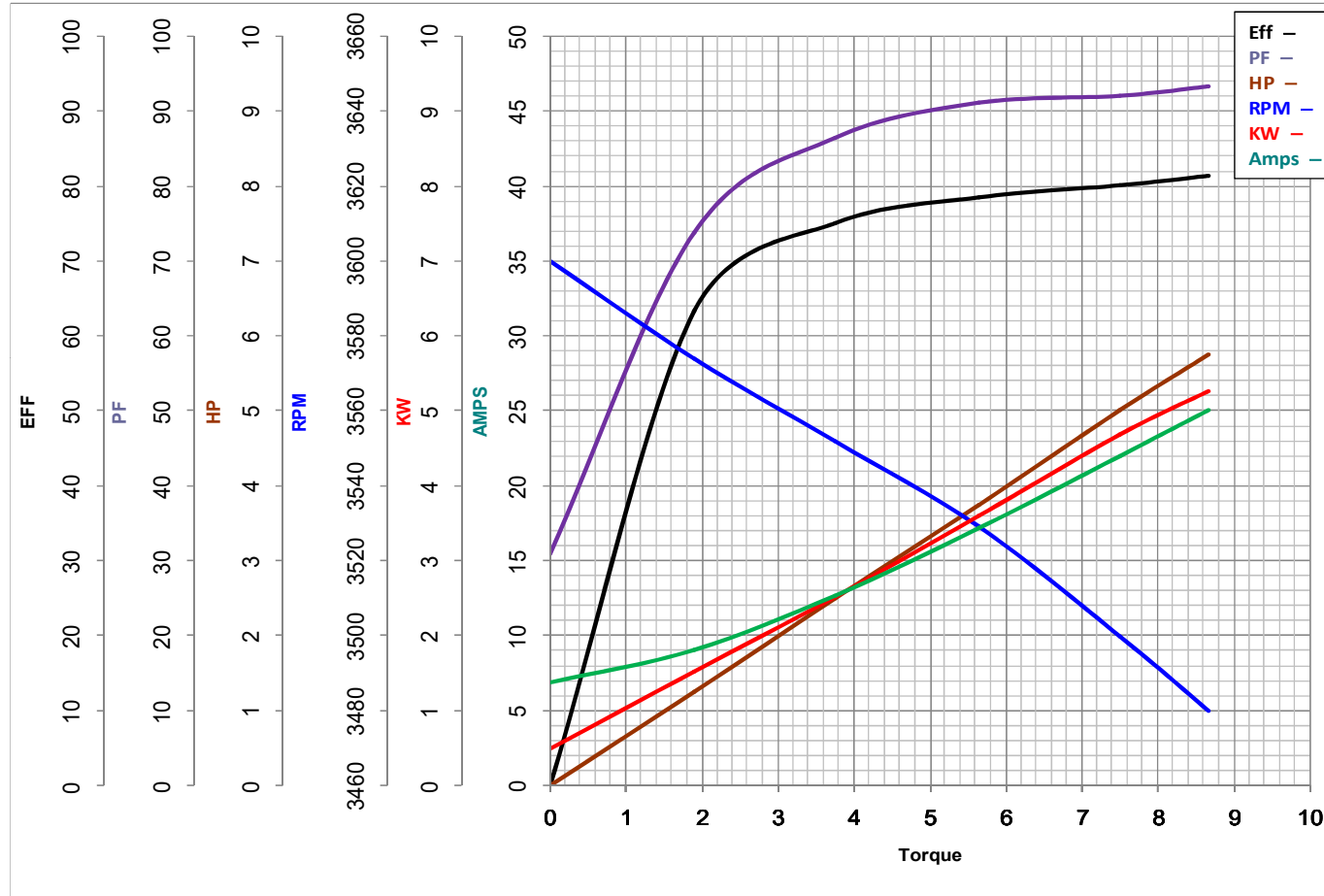


TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR
 MAT'L. DECAL - 004018



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 230 Volts HP 5.00 PHASE 1
 Model No 184TBDW17007 60 HZ
5 HP VOLTS 230
 Catalog No Z408A HZ 60 RPM 3500



Torque in Lb.Ft

FL TORQUE 7.5 Lb.Ft
 BD TORQUE 19.2 Lb.Ft
 LR TORQUE 19 Lb.Ft

FL AMPS 22
 PU TORQUE 15.2 Lb.Ft
 LR AMPS 141

WINDING K8222-2

Date 1/10/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 184TBDW17007

(Model No. may contain prefix and/or suffix characters)

Catalog No : Z408A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22