

PRODUCT INFORMATION PACKET

Model No: 184TBFW7726

Catalog No: I214A

General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, TEFC



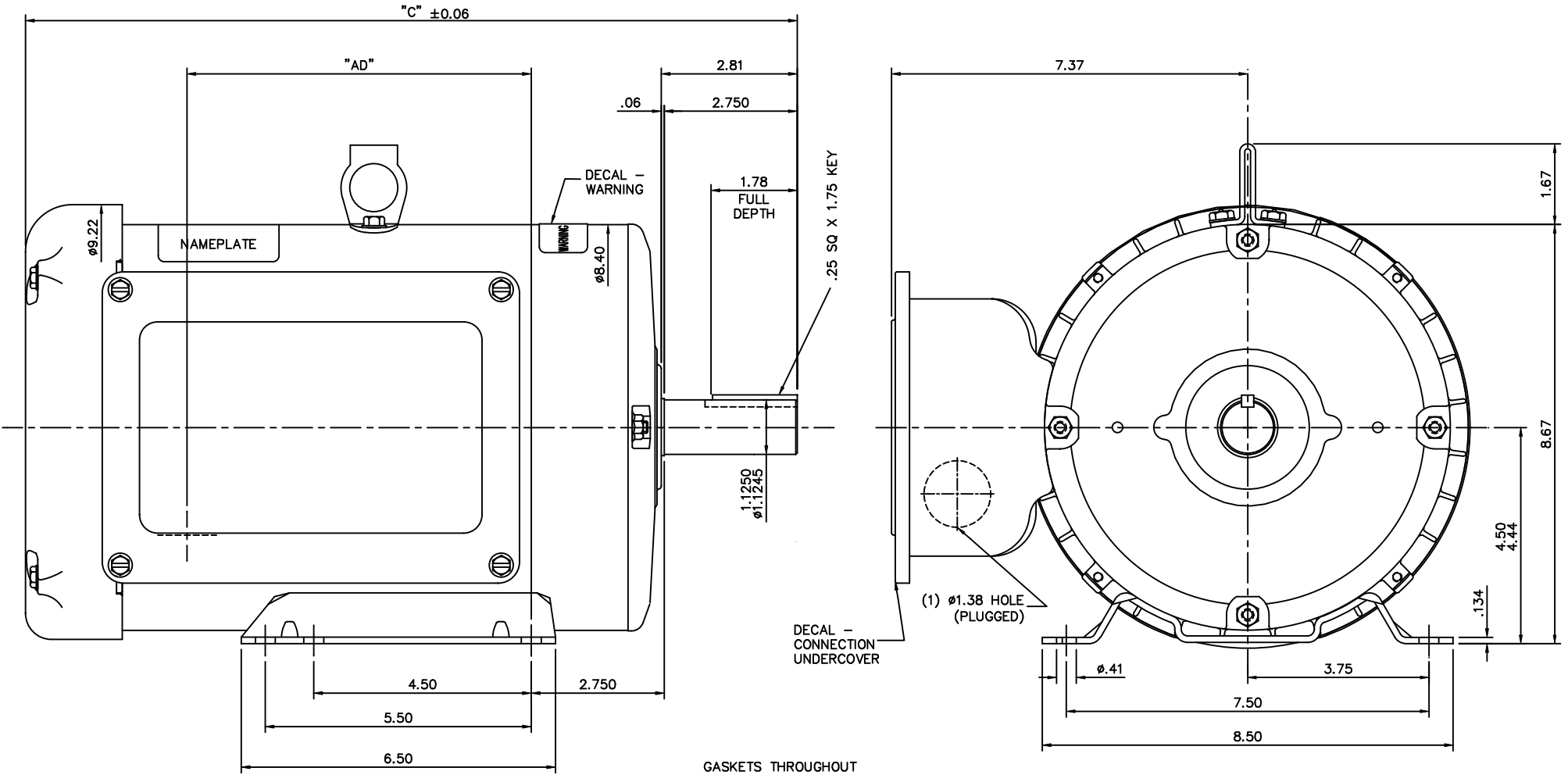
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Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	21.5-19.5 A	Speed	1755 rpm
Service Factor	1.15	Phase	1
Efficiency	85.5 %	Power Factor	96.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
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	17.46 in
Frame Length	12.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035632-1200	Connection Drawing	005018.01ME

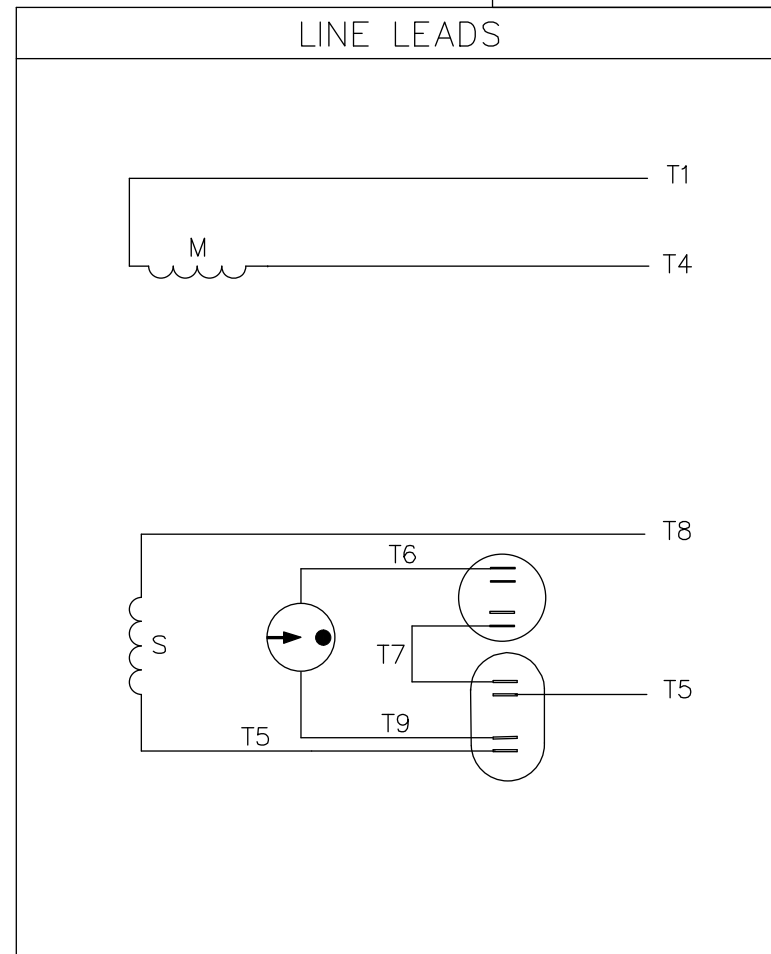
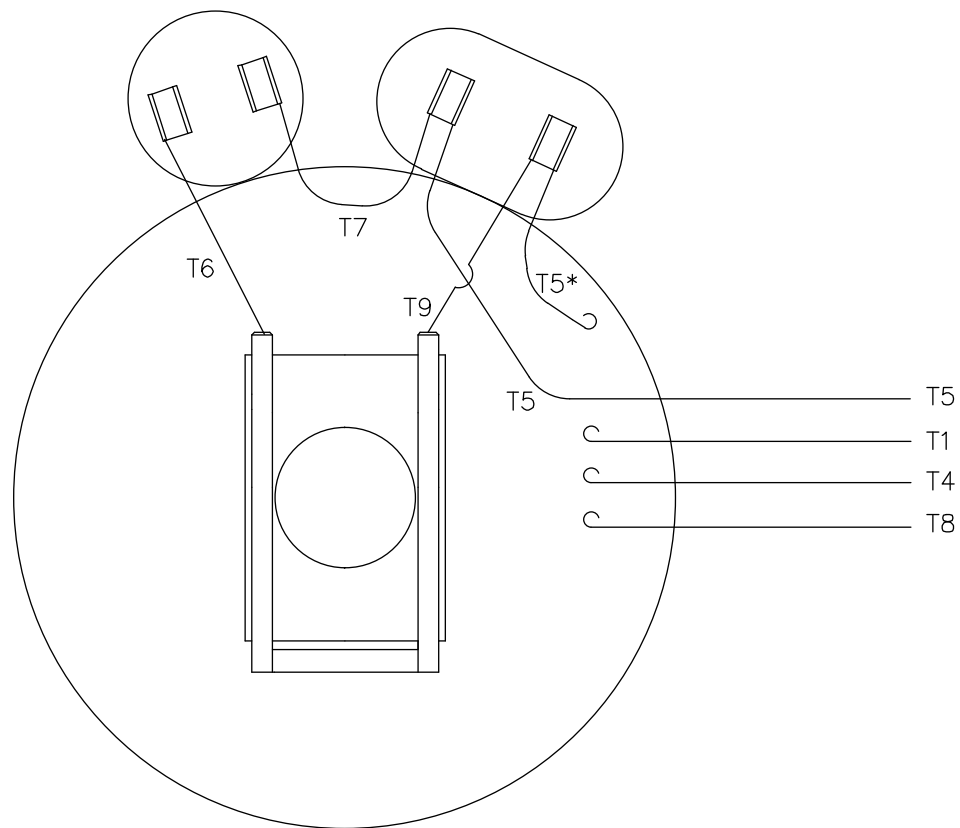


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .004 T.I.R.

DASH NO.	"C"	"AD"
1050	15.96	7.12
1100	16.46	7.62
1150	16.96	8.12
1200	17.46	8.62
1100	17.96	9.12
1150	18.46	9.62

TO TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN YS 01/21/08	
DEC.	INCHES	TITLE		CHK	APPD
.X	±0	OUTLINE - 180T TEFC-RIGID			
.XX	±0	SCALE			
.XXX	±0	REF 035540&037596			
.XXXX	±0	MAT'L			
		FINISH			
NO.	REVISION	BY & DATE	CHK	ANG	±0
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RFP	CAD FILE	035632	SIZE	DRAWING NO.	REV.
DIST			B	035632	

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

CERTIFICATION DATA SHEET

Model#: 184TBFW7726 AA
CONN. DIAGRAM: 005018.01ME
OUTLINE: 035632-1200

WINDING#: K8495 NONE 2
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	1800	1755	184T	TEFC	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	21.5-19.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 85	1/2 LOAD EFF: 80.9	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 96.5	3/4 LOAD PF: 97.2	1/2 LOAD PF: 96.6	82.5	CAP START CAP RUN	2.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	133.5	38.9 LB-FT 261	37.5 LB-FT 252	73

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	2	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

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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: 06/28/2017 06:14:51 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 5.00

PHASE 1

Model No 184TBFW7726

60

HZ

VOLTS 208-230

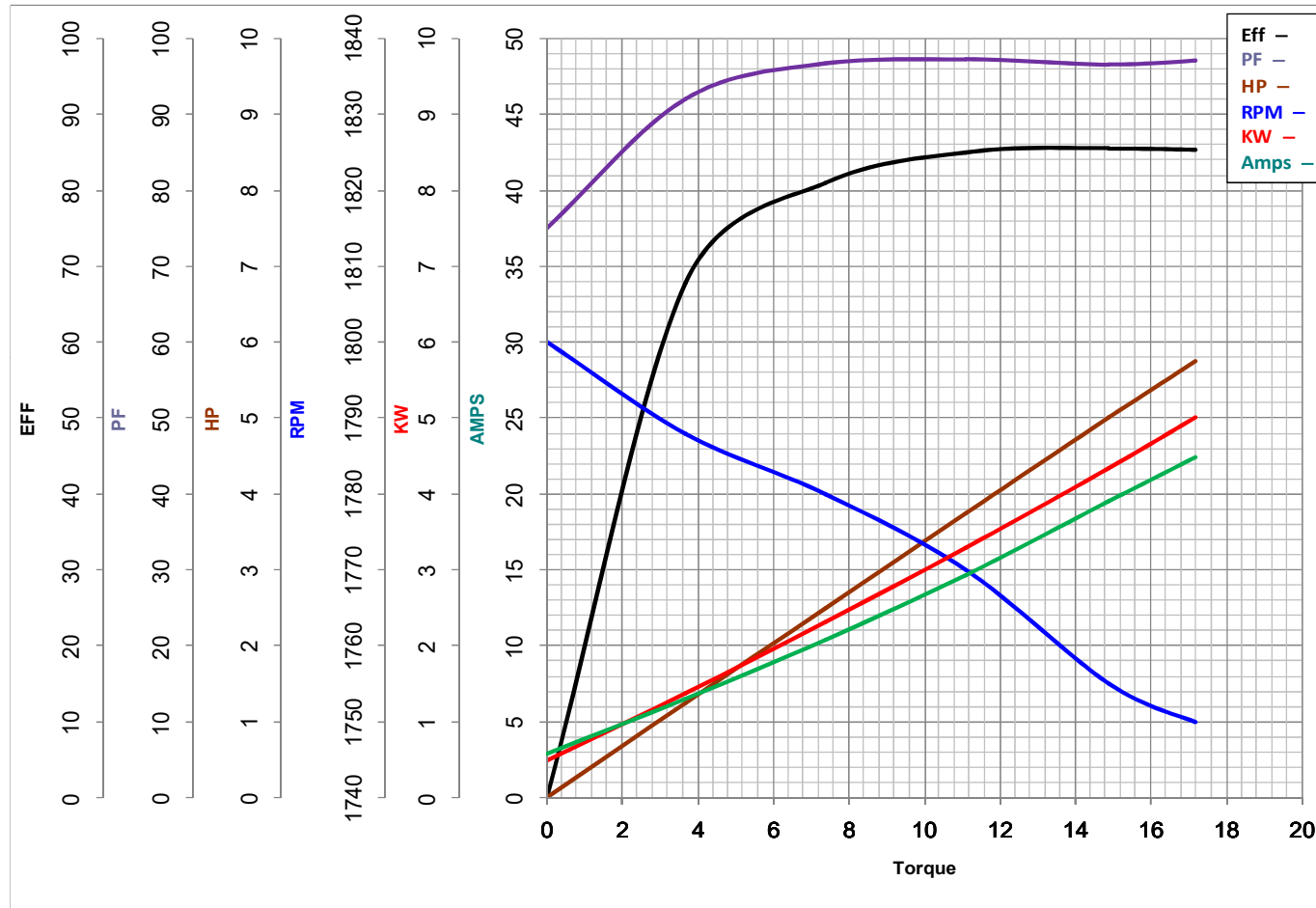
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HP

HZ 60

RPM 1755

Catalog No I214A



Torque in Lb.Ft

FL TORQUE 14.9 Lb.Ft
BD TORQUE 37.5 Lb.Ft
LR TORQUE 38.9 Lb.Ft

FL AMPS 21.5-19.5
PU TORQUE 29.5 Lb.Ft
LR AMPS 133.5

WINDING K8495-2

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 : 184TBFW7726

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

Catalog No : I214A

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