

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 184TTFBD6004  
Catalog No: GT1312A  
5,3600,TEFC,184TC,3/60/230/460  
Totally Enclosed Fan Cooled (TEFC)



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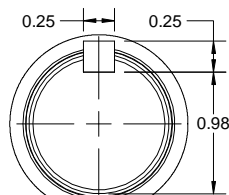
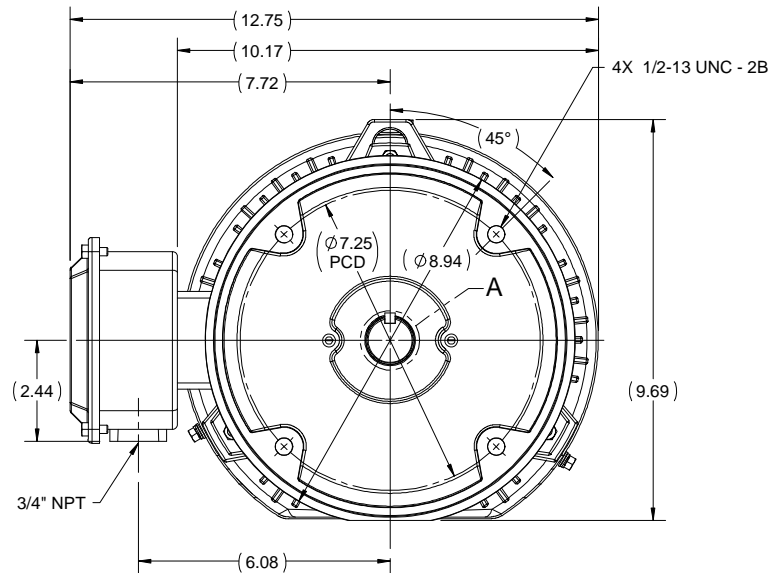
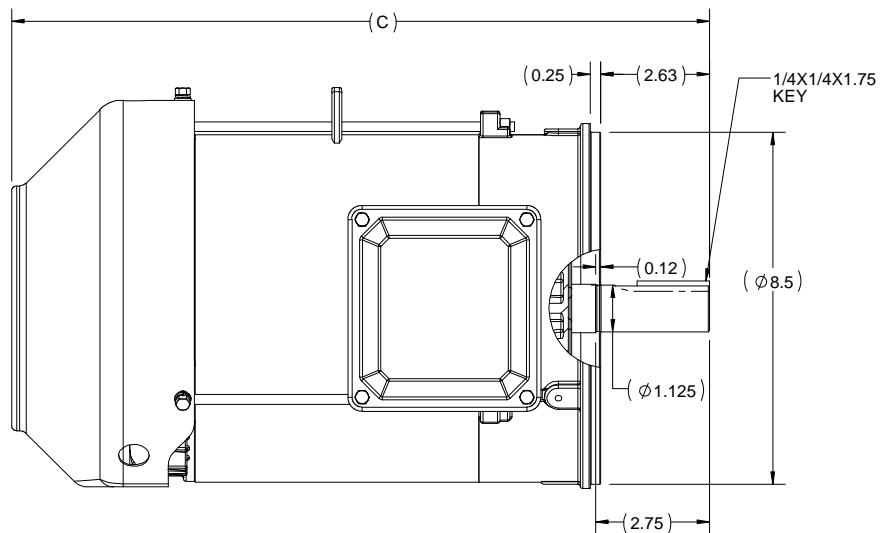
### **Nameplate Specifications**

Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>8.0/4.0 A</b>	Speed	<b>1762 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>89.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>184TC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</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>Listed</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### **Technical Specifications**

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Round</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>16.85 in</b>	Frame Length	<b>6.85 in</b>
Shaft Diameter	<b>1.125 in</b>	Shaft Extension	<b>2.75 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>SS600201-184TC</b>	Connection Diagram	<b>EE7308</b>

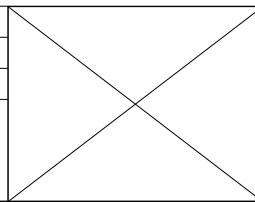
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DETAIL A

182TC	15.85
184TC	16.85
FRAME	C

DRAWING REVISION B	REVISION BY VS	DATE 19/06/2018
ECO ECO-0147085	APPROVED BY SBD	DATE 19/06/2018
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY PRIYA	Regal Beloit America, Inc.
DATE 08/03/2018	
APPROVED BY SBD	DESCRIPTION <b>OUTLINE</b> 182/184TC FR TEFC RS, FOOTLESS
DATE 08/03/2018	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS600201
	SHEET 1 OF 1

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





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WAUSAU, WI 54401-8003  
PH. 715-675-3311**

**CERTIFICATION DATA SHEET**

**CUSTOMER:**  
**ORDER #:**  
**CONN. DIAGRAM:**  
**OUTLINE:**  
**WINDING #:**

**CUSTOMER PO #:**  
**MODEL #:**  
**CUSTOMER PART #:**  
**MOUNTING:**

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
583	3.7082.24	1800	1762	184TC	TEFC		B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	8/4&8999/9999	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.0	40

<b>FULL LOAD EFF:</b>	89.5	<b>3/4 LOAD EFF:</b>	88.5	<b>1/2 LOAD EFF:</b>	86.5	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	78	<b>3/4 LOAD PF:</b>	70	<b>1/2 LOAD PF:</b>	57	88.5		<b>SQ CAGE INV RATED</b>
<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>				
9 LB-FT	64 / 32	20 LB-FT	220 %	29 LB-FT	320 %			

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
50 DBA	60 DBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	- LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	DIVISION 2 T2B	FALSE	NONE	BLUE (ENAMEL)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6206 6205	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL		

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE	NONE	VOLTS
NONE	NOT	NONE	NONE					

<b>INVERTER</b>	TORQUE: CONSTANT 10:1/VARIABLE 10:1	
<b>INV. HP SPEED RANGE:</b>	NONE	
<b>ENCODER:</b>	NONE	
<b>O</b>	NONE	NONE
<b>T</b>	NONE	PPR
<b>E</b>	NONE	P/N NONE
<b>S</b>	NONE	FT-LB NONE V NONE Hz
<b>*</b>		

**PREPARED BY:** Fareeda Dudekula  
**DATE:** 05/28/2018 06:52:44 AM  
**FORM 3531 REV.3 02/07/99**  
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