

# PRODUCT INFORMATION PACKET

Model No: 184TTFB6032  
Catalog No: GT1413  
5,1800,TEFC,184TC,3/60/575  
Totally Enclosed Fan Cooled (TEFC)



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



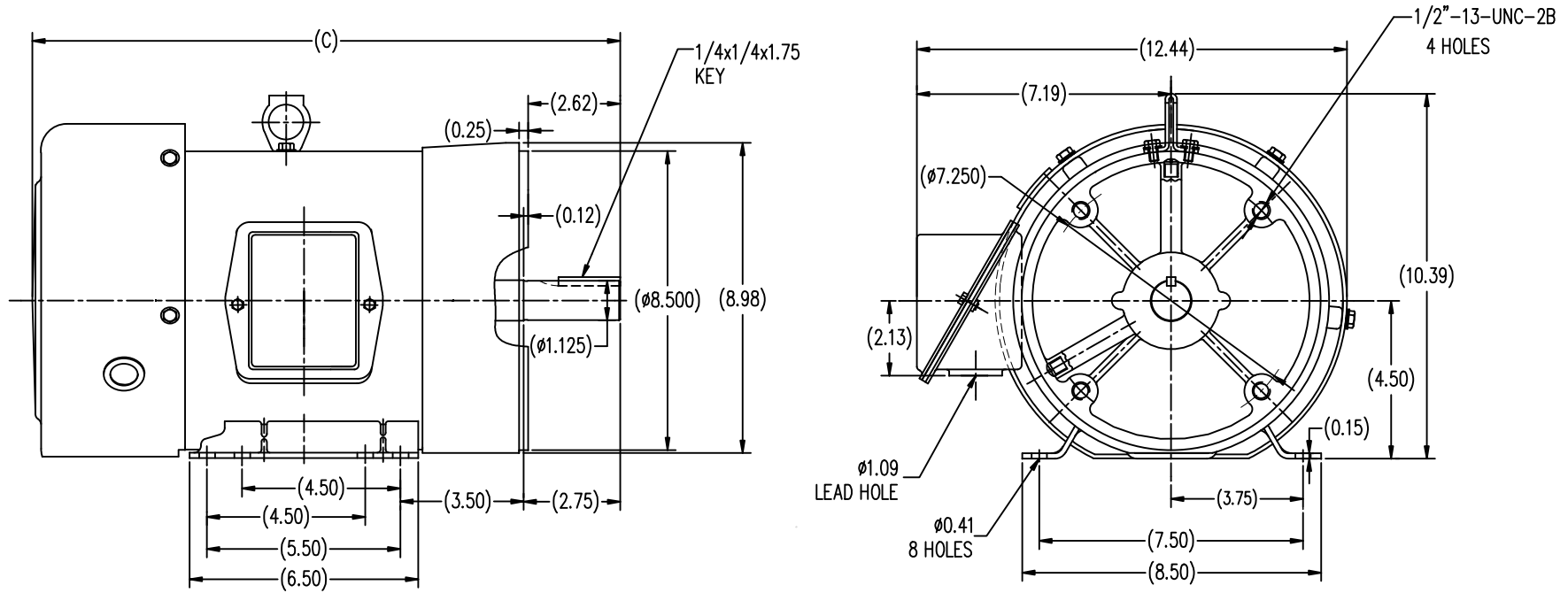
### Nameplate Specifications

Output HP	<b>5 Hp</b>	Output KW	<b>3.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>5.0 A</b>	Speed	<b>1758 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>90.2 %</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>Recognized</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>4</b>	Rotation	<b>Reversible</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>16.73 in</b>	Shaft Diameter	<b>1.125 in</b>
Shaft Extension	<b>2.62 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>SS620296</b>	Connection Diagram	<b>EE7300</b>

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 06/29/2018



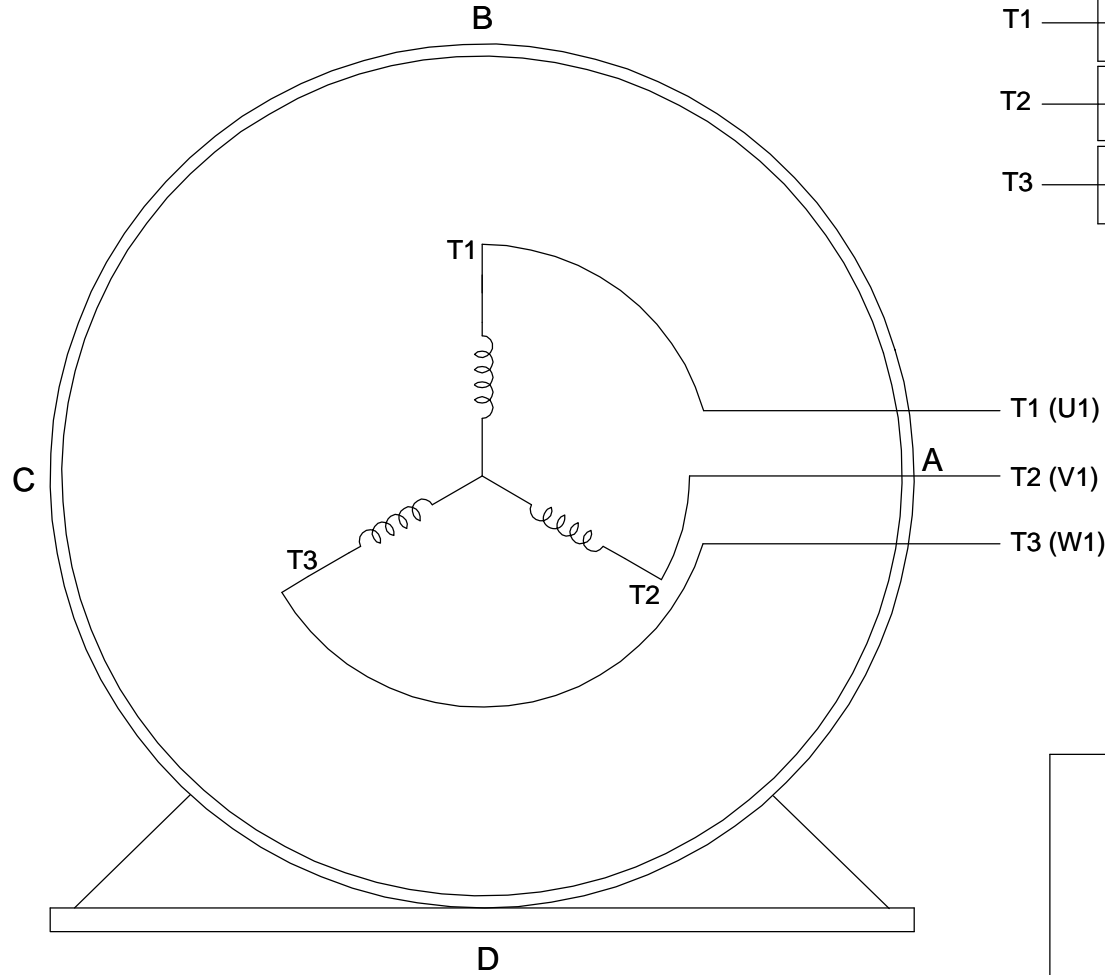
TTFB 182TC	15.75
TTFB 184TC	16.73
FRAME	C

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN SY 4-19-2010	
DEC.	INCHES	REGAL-BELOIT CORPORATION		CHK	ZYH 4-19-2010
.X	±.1	TITLE		APPD	CL 4-19-2010
.XX	±.03	OUTLINE		SCALE	1=4
.XXX	±.005	182/184TC-TTFB		REF	
.XXXX	±.0005	MAT'L		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2
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	FINISH	
			DIST	CAD FILE	SS620296
				SIZE	DRAWING NO.
				B	SS620296
				REV.	

**THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.**

**TERMINAL BLOCK WHEN SPECIFIED**



**VIEW OF TERMINAL END**

**IF MOTOR HAS  
6 LEADS**



**A-9806 DECAL**

**OPTIONAL CORD  
CONNECTION**



DRAWING REVISION <b>AB</b>	REVISION BY <b>JJB</b>	DATE <b>06-27-2017</b>
ECO <b>ECO-0125361</b>	APPROVED BY <b>TB</b>	DATE <b>06-27-2017</b>
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>		
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.                  PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF                  REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY                  INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED,                  BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED                  TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT                  AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL                  BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN                  RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		



DRAWN BY <b>DA</b>
DATE <b>03-26-1993</b>
APPROVED BY <b>TB</b>
DATE <b>03-26-1993</b>
REFERENCE
THIRD ANGLE PROJECTION

<b>Regal Beloit America, Inc.</b>		
		DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>	SHEET <b>1 OF 1</b>



Data Sheet

184TTEB6032



Submital  
Data @ 575 V

Date: 6/19/2017

Customer:   
Attention:   
Submitted by: FAREEDA DUDEKULA

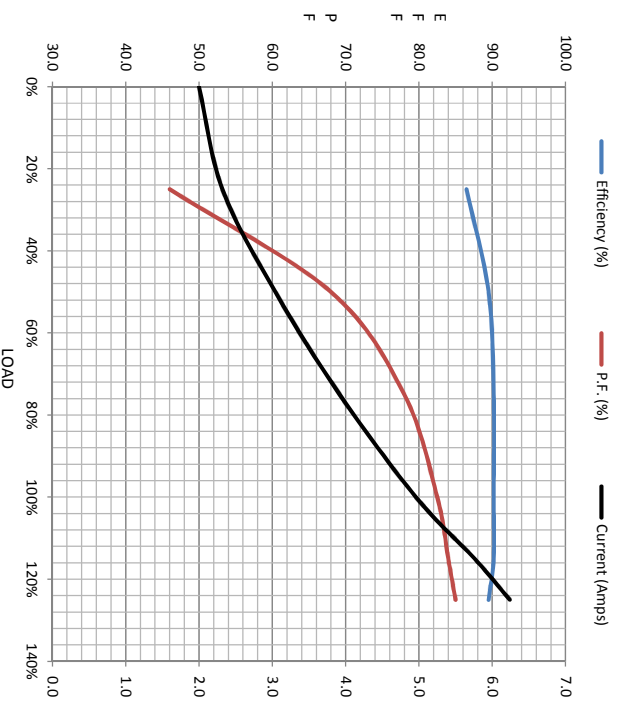
Load	Motor Load Data							
	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.00	2.32	3.0	3.9	5.0	5.8	6.2	44.8
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.0	17.5	19.0	38.0
RPM	1800	1790	1780	1771	1758	1,750	1745	0
Efficiency (%)		86.5	89.5	90.2	90.2	90.2	89.5	
P.F. (%)	5.5	46.0	68.0	78.0	82.5	84.0	85.0	46.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	750	1450	1758	1800
Current (Amps)	44.8	40.0	28.8	5.0	2.00
Torque (ft-lb)	38.0	32.0	57.0	15.0	0.00

Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFC
Voltage	575 V
Frequency	60 Hz
Design	A
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	0.50 Ld-Fe
Rel Wdg	CHT18440001 NONE
Sound Pressure @ 1M	62 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	SS620286
Conn. Diag	EE7300
Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
2.0380	2.3030
X1	X2
5.9800	6.3080
Xm	Xm
	166.9990



Speed - Torque Curve

