

# PRODUCT INFORMATION PACKET

Model No: 143TTWD14003  
Catalog No: N483  
1 1/2,3600,TEFC,143TC,3/60/230/460  
Washdown Duty



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2019 Regal Beloit Corporation, All Rights Reserved. MC017097E



### Nameplate Specifications

Output HP	<b>1.50 HP</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>4.0/2.0 A</b>	Speed	<b>3490 RPM</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>82.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>143TC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>56</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</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>Stainless Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>11.25 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>1.99 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Outline Drawing	<b>028940-625</b>	Connection Diagram	<b>005010.01ME</b>

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 12/12/2019

4

3

2

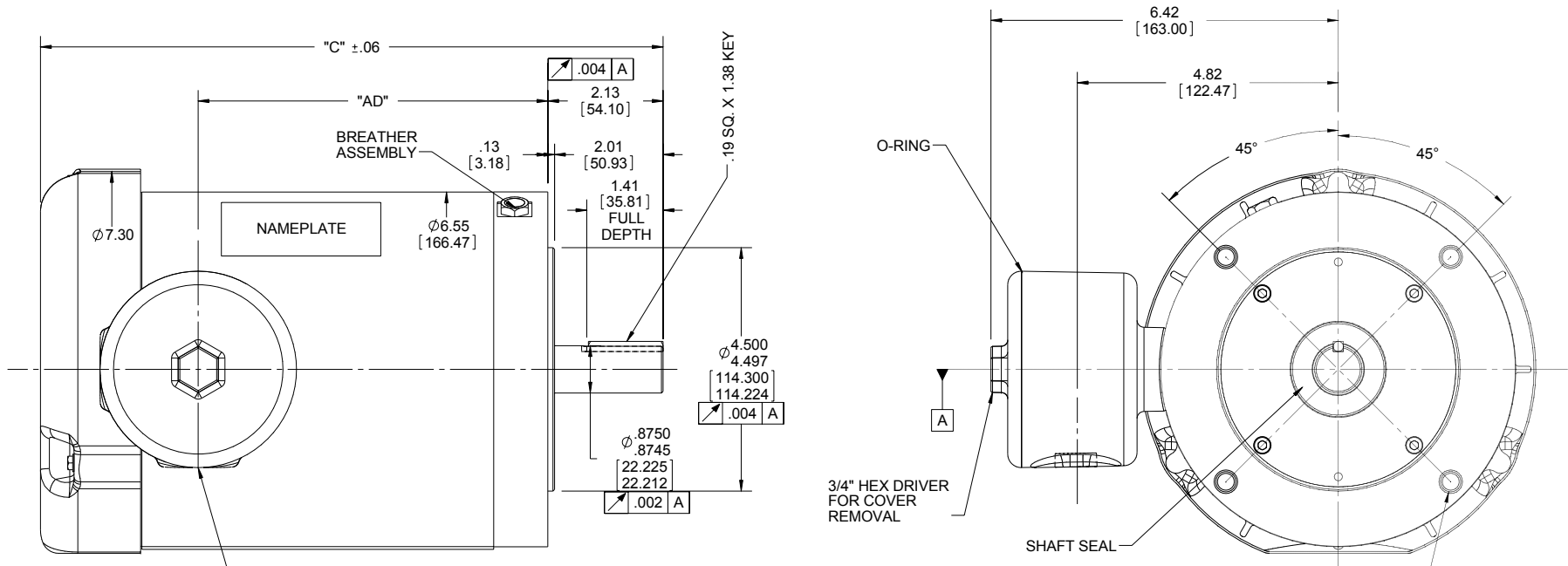
1

B

B

A

A



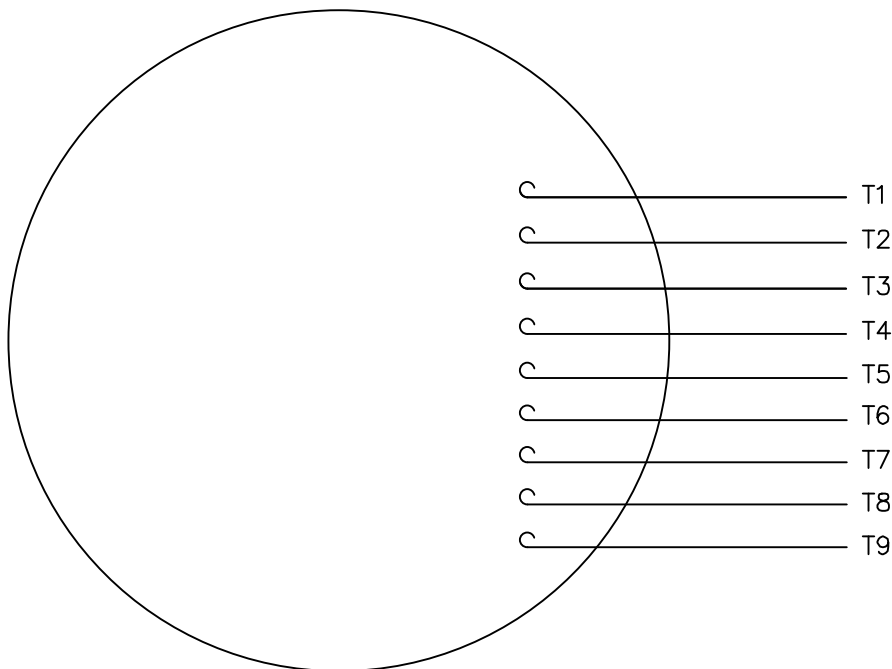
1/2-14 NPT CONDUIT HOLE

(4) 3/8-16 UNC-2B X .56 DEEP ON A Ø5.875 B.C.

DASH NO.	"C"	"AD"
525	10.25	5.21
550	10.50	5.46
575	10.75	5.71
600	11.00	5.96
625	11.25	6.21
650	11.50	6.46
675	11.75	6.71
700	12.00	6.96
750	12.50	7.46
775	12.75	7.71
800	13.00	7.96
825	13.25	8.21

DRAWING REVISION G	REVISION BY CHRIS FISHER	DATE 1/5/2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE X ±0.1 [+2.5] ±0.5° XX ±0.01 [+0.25] .XXX ±0.005 [+0.127] XXXX ±0.0005 [+0.0127]	DRAWN BY LST 1/9/09	Regal Beloit America, Inc.
ECO ECO-0090909	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51]	DATE	
ECO DESCRIPTION ADDED ITEMS #800 & #825 <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>			MACHINED SURFACES: 125/3.2 INCH/mm	REFERENCE	DESCRIPTION <b>OUTLINE</b> TEFC "C" FACE
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 028940	PROCESS/FINISH	SHEET 1 OF 1	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 04/12/02	
		DEC.	INCHES			CHK	
		.X	±.1			APPD	
		.XX	±.01	TITLE		SCALE 1=1	
		.XXX	±.005	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		REF FIG.2-51	
		.XXXX	±.0005	MAT'L.		FMF	
				DECAL - 004014		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
			RFP	04/12/02		CAD FILE	00501001ME
			DIST			SIZE	A
						DRAWING NO.	005010-01ME
						REV.	

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