

PRODUCT INFORMATION PACKET



Model No: C6T8NC37B

Catalog No: 116201.00

1/2HP..850RPM.56.TENV.208-230/460V.3PH.60HZ.AIROVER.NOT.40C.1.0SF.C FACE.AG - FAN &
BLOWER.C6T8NC37B.A

Direct Drive



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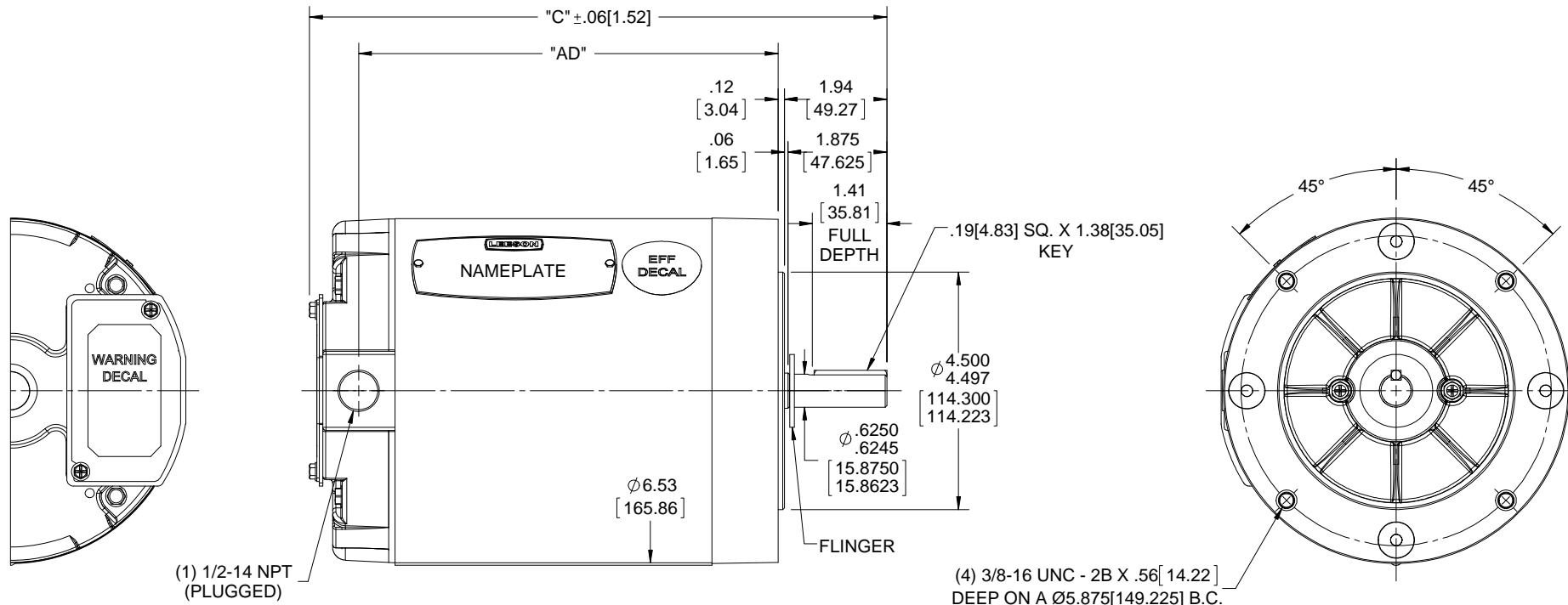


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.6-3.0/1.5 A	Speed	850 rpm
Service Factor	1	Phase	3
Efficiency	69.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	56C
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	10.90 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034946-600	Connection Diagram	005010.01



DASH NO.	"C"	"AD"
500	9.90 [251.46]	6.94 [176.28]
550	10.40 [264.16]	7.44 [188.98]
600	10.90 [276.86]	7.94 [201.68]
650	11.40 [289.56]	8.44 [214.38]
700	11.90 [302.26]	8.94 [227.08]
750	12.40 [314.96]	9.44 [239.78]
800	12.90 [327.66]	9.94 [252.48]

NOTES:

- 1) GASKETS THROUGHOUT.
- 2) MAXIMUM FACE RUNOUT TO BE .004 [102] T.I.R.
- 3) MAXIMUM PILOT EFFICIENCY .004 [102] T.I.R.
- 4) PERMISSIBLE SHAFT RUNOUT .002 [051] T.I.R.

DRAWING REVISION D	REVISION BY T AHER	DATE 01/04/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE -X ±0.1 [+2.5] ±7-30° .XX ±0.03 [+0.76] .XXX ±0.005 [+0.127] .XXXX ±0.0005 [+0.0127]	DRAWN BY RDW	Regal Beloit America, Inc.	
ECO ECO-0143018	APPROVED BY PK	DATE 04/10/2018		DATE 06/19/2002		
ECO DESCRIPTION OUTLINE CONVERSION PROJECT <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>			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [076/.381] X 45 ° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200 $\sqrt{\text{mm}}$ 5.1 $\sqrt{\text{INCH}}$	APPROVED BY SW	DESCRIPTION OUTLINE 56C FRAME TENV - "C" FACE	
			DATE 06/19/2002	REFERENCE 034946	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 034946	SHEET 1 OF 1

005010-01

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		Regal Beloit America, Inc.		DRAWN RDW 04/12/02				
				DEC.	INCHES			CHK				
				.X	±.1			APPD				
				.XX	±.01			SCALE 1=1				
				.XXX	±.005	TITLE		REF FIG.2-51				
A	UPDATED TO REGAL LOGO			SAJ	06/26/15	AJY	.XXXX	±.0005	MAT'L.	DECAL - 004014	FMF	
NO.	REVISION			BY & DATE	CHK	ANG	±1/2"	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	04/12/02		CAD FILE	00501001		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005010-01		A	

