

# PRODUCT INFORMATION PACKET



Model No: C6T8NC38B

Catalog No: 116202.00

1HP..850RPM.56.TENV.208-230/460V.3PH.60HZ.AIROVER.NOT.40C.1.0SF.C FACE.AG - FAN &  
BLOWER.C6T8NC38B.A

Direct Drive



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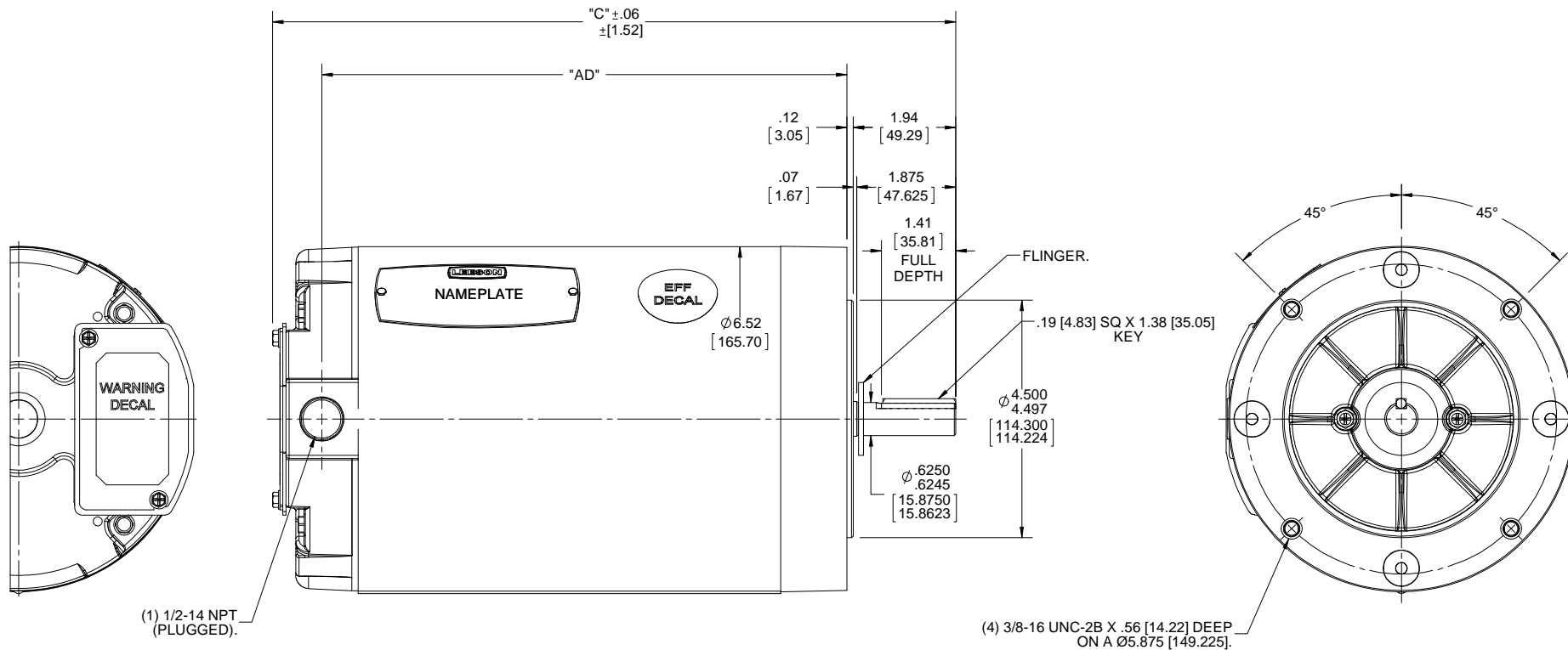


### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>5.0/2.5 A</b>	Speed	<b>850 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>72 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>J</b>	Frame	<b>56C</b>
Enclosure	<b>Totally Enclosed Air Over</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>8</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>NEMA 56</b>
Overall Length	<b>12.90 in</b>	Frame Length	<b>8.00 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>029093-800</b>	Connection Diagram	<b>005010.01</b>



(1) 1/2-14 NPT (PLUGGED).

(4) 3/8-16 UNC-2B X .56 [14.22] DEEP ON A Ø5.875 [149.225].

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

DASH NO.	"C"	"AD"
800	12.93 [328.42]	9.94 [252.48]

DRAWING REVISION A	REVISION BY APPROVED BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE ±0.5°	DRAWN BY A SUPPANAVAR	Regal Beloit America, Inc.
ECO ECO-0136357	DATE	DATE	X ±0.1 [±2.5] .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE 02/14/2018	
ECO DESCRIPTION OUTLINE CONVERSION PROJECT			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]	APPROVED BY PK	DESCRIPTION OUTLINE 56C FRAME TENN-"C" FACE
<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	DATE 05/23/2018	MATERIAL FAN DUTY
			THIRD ANGLE PROJECTION	REFERENCE 034946	PROCESS/FINISH
				SIZE B	DRAWING NUMBER 029093
					SHEET 1 OF 1

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



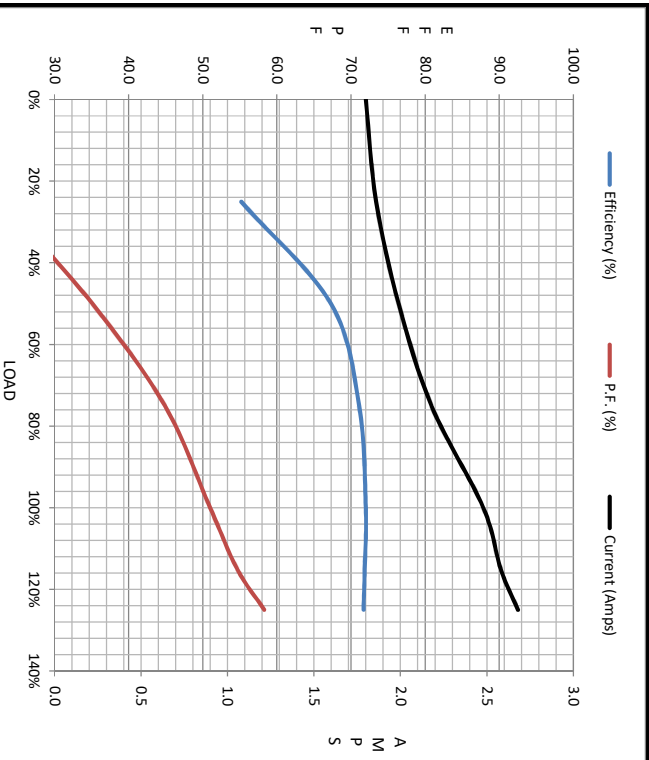
VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		<b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>		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



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.80	1.86	1.99	2.18	2.48	8.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	12.0
RPM	900	889	878	866	850	0
Efficiency (%)		55.2	67.3	71.1	72.0	
P.F. (%)	9.7	23.1	35.1	44.9	51.0	0.0

Motor Speed Data							Information Block																											
	LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm		
Speed (RPM)	0	100	600	850	900		1.0	900	140	TENV	NA	208-230/460	60	B	J	1.15	0	AIROVER	40	1,000	0.16	763827 NR	999	NONE	034946-800	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000		
Current (Amps)	8.5	7.8	5.1	2.48	1.80																													
Torque (ft-lb)	12.0	11.5	15.0	6.0	0.00																													



EQUIV CKT (OHMS / PHASE)						
	R1	R2	X1	X2	Xm	
	0.0000	0.0000	0.0000	0.0000	0.0000	

