

PRODUCT INFORMATION PACKET



Model No: C6T34NC2E

Catalog No: 110446.00

1/3HP..3450/2850RPM.56.TENV.208-230/460V.3PH.60/50HZ.CONT.NOT.40C.1.15/1.15SF.C
FACE.GENERAL PURPOSE.C6T34NC2E
Totally Enclosed Non-Ventilated (TENV)



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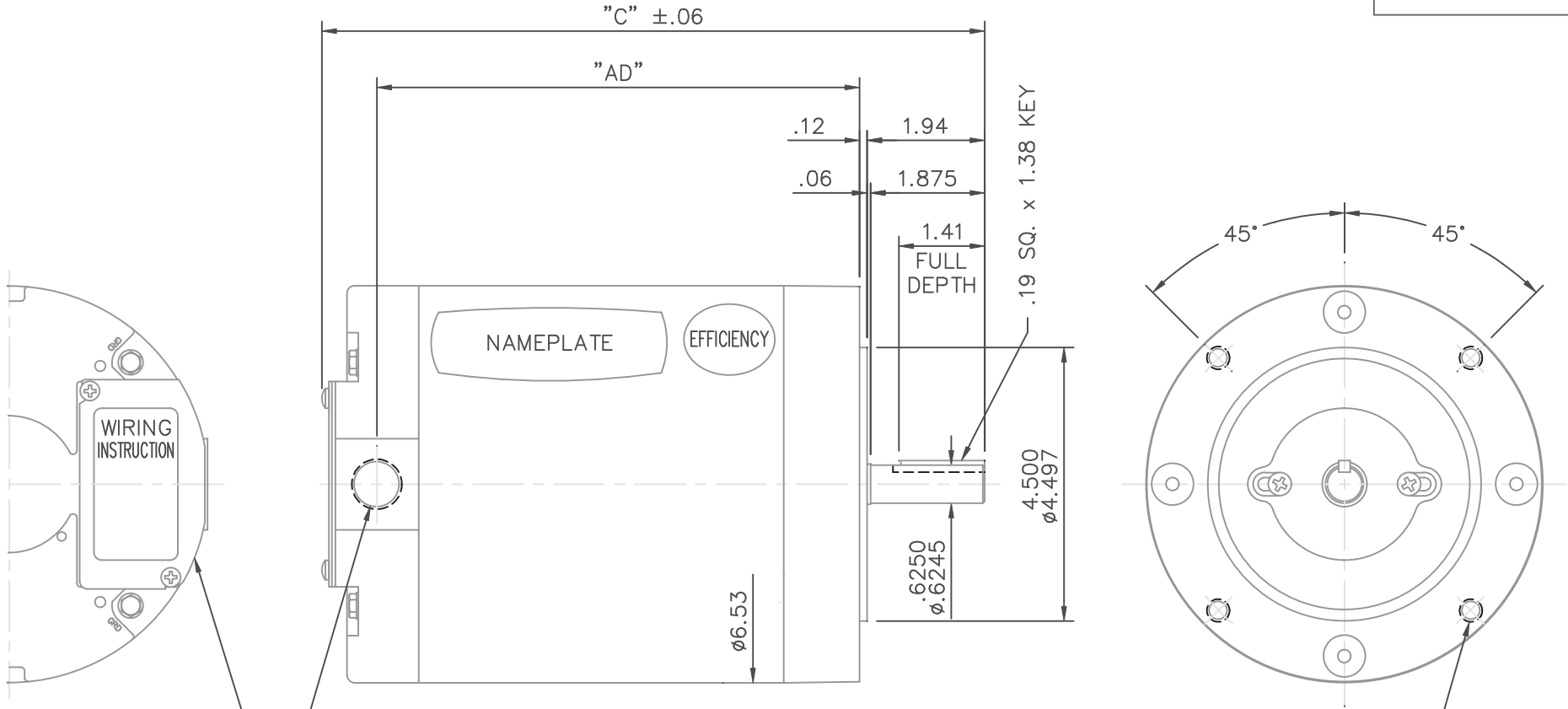


Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.1/0.55 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	77 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	L	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	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	2	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	9.90 in	Frame Length	5.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028501-500	Connection Diagram	005010.01



DECAL - CONNECTION UNDER COVER (WHEN REQ'D)

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

(4) 3/8-16 UNC-2B X .56 DEEP ON A ø5.875 B.C.

DASH NO.	"C"	"AD"
500	9.90	6.94
550	10.40	7.44
600	10.90	7.94
650	11.40	8.44
700	11.90	8.94
750	12.40	9.44
800	12.90	9.94

GASKETS THROUGHOUT

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.

MAXIMUM PILOT ECCENTRICITY .004 T.I.R.

PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

NO.		REVISION		BY & DATE		CHK		ANG		FINISH		PREV	
						RFP		CAD FILE		028501		SIZE A	
						DIST		BRF-NLV				DRAWING NO. 028501	
												REV.	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	BJB	06/05/03
CHK		
APPD		
SCALE		3=8
REF		034946
FMF		
PREV		

TITLE
OUTLINE - 56 FRAME
T.E.N.V. - "C" FACE

MAT'L.
GENERAL PURPOSE

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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



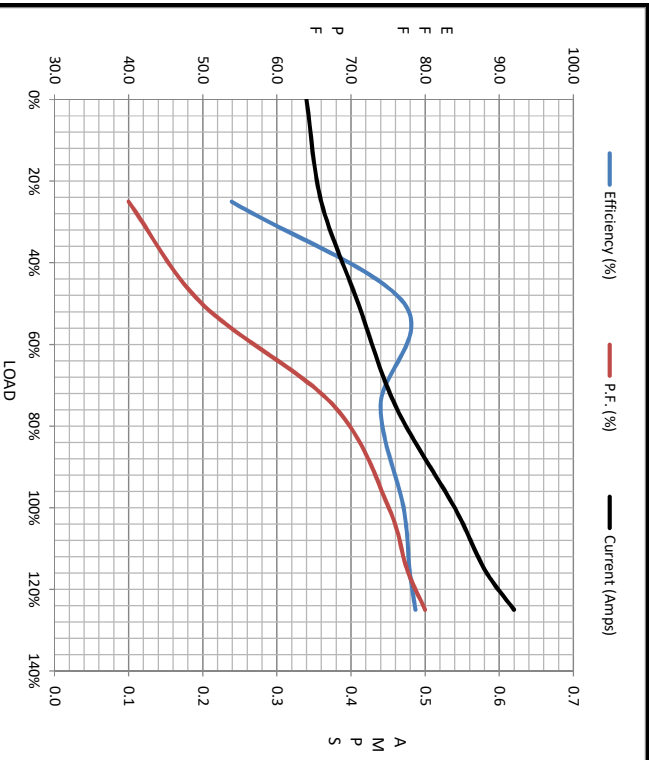
VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				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	DRAWING NO.		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				RFP	04/12/02		CAD FILE	00501001		A	005010-01	A
				DIST	BRF-NLV							



Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.34	0.36	0.41	0.46	0.54	0.58	0.62	4.4	
Torque (ft-lb)	0.00	31.9	64.6	113	129	2,370	163	394	
RPM	3600	3571	3550	3531	3506	3,497	3,483	0	
Efficiency (%)		77.2	53.9	77.2	74.0	77.9	78.7		
P.F. (%)	18.5	40.0	49.9	67.7	75.1	77.6	80.0	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 wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	EQUIV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm
0	229	2600	3506	3600		0.3	3600	140	TENV	NA	208-230/460#208-230/460	60	B	L	1.0	77	CONT	40 °C	1,000	0.03	LB-Fc	0	dB(A)	NONE	028501-500	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000



LR	Pull-Up	BD	Rated	Idle
0	229	2600	3506	3600
Current (Amps)	4.4	4.3	2.90	0.54
Torque (ft-lb)	394	386	571	129

