

PRODUCT INFORMATION PACKET



Model No: C6T34VC17B

Catalog No: 116643.00

..1/2HP..3450RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.C6T34VC17B.....WASHGUARD.NOT.....

General Purpose



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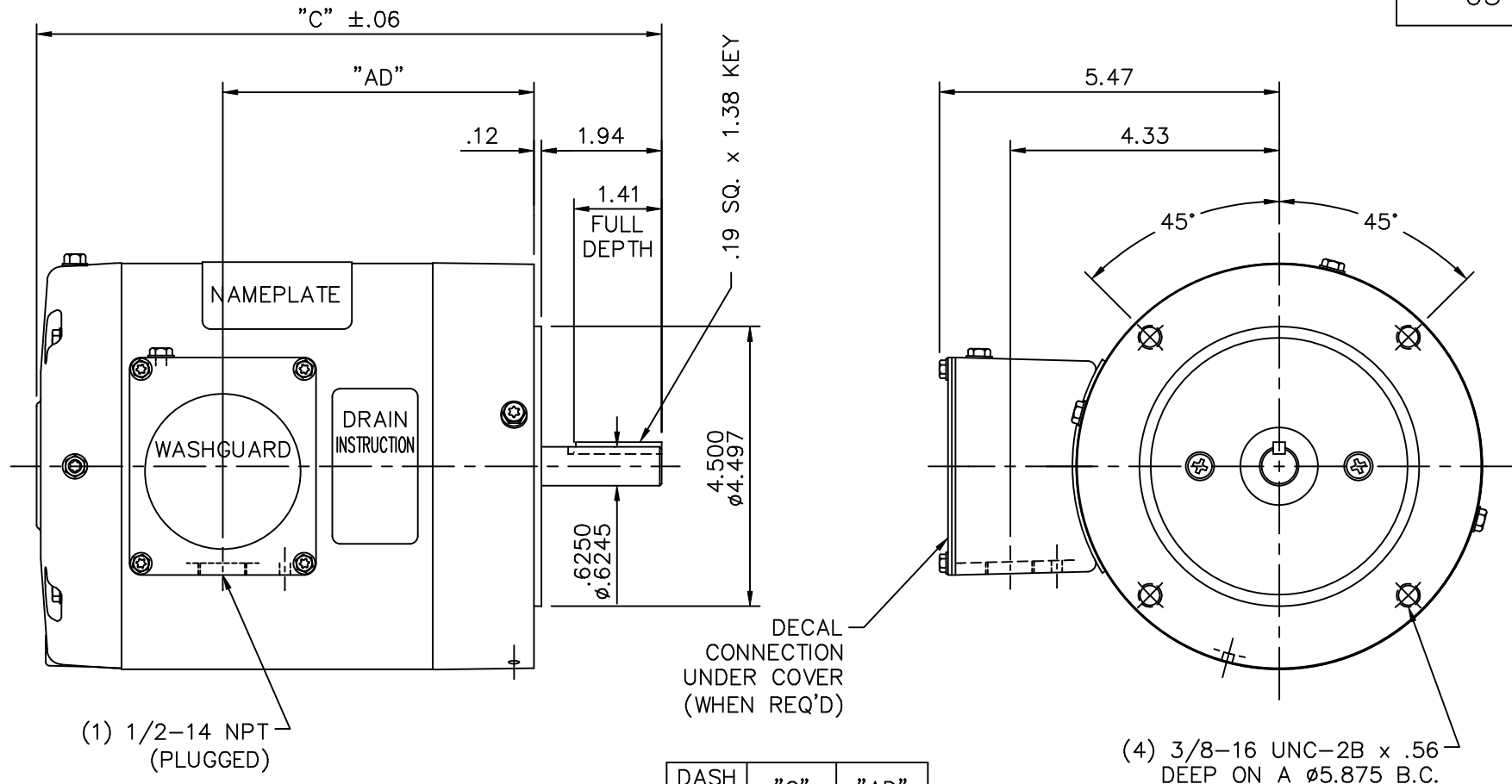
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.7-1.6/0.80 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	M	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	55		

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	10.56 in	Frame Length	5.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034960-550	Connection Diagram	005010.01

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SPECIAL FEATURES:

- 1) SHAFT SEALS & V-RING
- 2) DRAIN HOLES IN BOTH ENDBELLS & CONDUIT BOX
- 3) GASKETS THROUGHOUT
- 4) STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE

DASH NO.	"C"	"AD"
450	9.56	4.50
500	10.06	5.00
550	10.56	5.50
600	11.06	6.00
650	11.56	6.50
700	12.06	7.00
750	12.56	7.50
800	13.06	8.00

MAXIMUM FACE RUNOUT .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	MGM 2/13/03			
		DEC.	INCHES		CHK				
		.X	±.1		APPD				
		.XX	±.03		SCALE	3=8			
		.XXX	±.005	TITLE	OUTLINE - 56C FRAME	REF	033694		
01	SHAFT END E.B. WAS 021255-19 PER ECO 04-1702	LST	9/9/04	MAT'L.	WASHGUARD	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	CAD FILE	034960	SIZE	DRAWING NO.	REV.
				DIST			A	034960	01

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



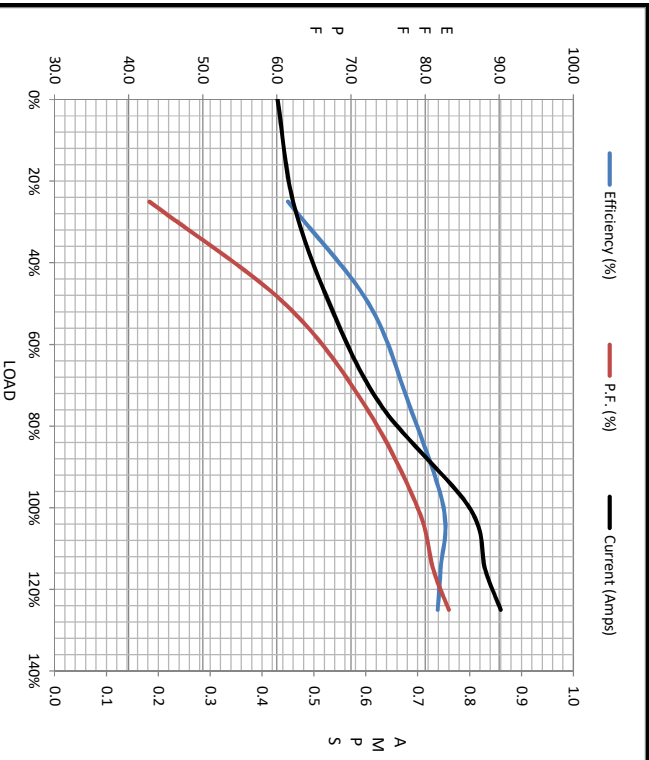
VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				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			
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)	0.43	0.46	0.53	0.63	0.80	7.0
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	2.53
RPM	3600	3576	3556	3535	3510	0
Efficiency (%)		61.5	72.4	77.9	82.5	
P.F. (%)	24.5	42.8	61.1	71.9	79.0	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)					
Speed (RPM)	0	400	2700	3510	3600	0.5	3600	140	TENV	TTW	208-230/460#190/380	60	B	M	1.15	60	CONT	40 °C	1,000 feet	0.04	TE632165 NR	65	NONE	034960-550	005010.01		R1	R2	X1	X2	Xm	
Current (Amps)	7.0	6.4	4.2	0.80	0.43																						0.0000	0.0000	0.0000	0.0000	0.0000	
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00																											



	R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

