

PRODUCT INFORMATION PACKET



Model No: C6T34NK1E

Catalog No: 110182.00

1/2HP..3450RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID C.GENERAL
PURPOSE.C6T34NK1E

Totally Enclosed Non-Ventilated (TENV)



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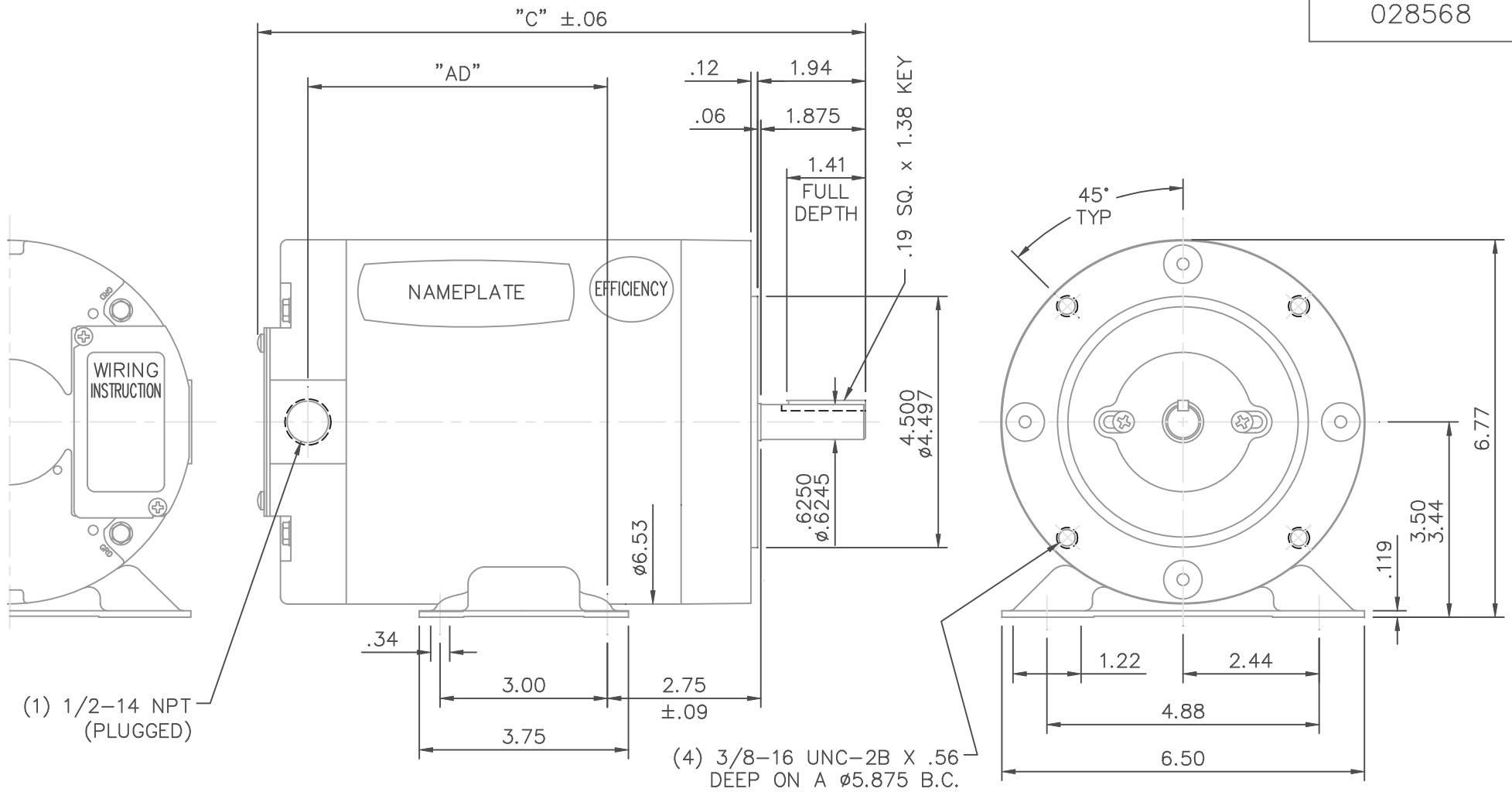
Nameplate Specifications

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	B	Design Code	B
KVA Code	M	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	Rigid base	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	5.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028568-550	Connection Diagram	005010.01

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DASH NO.	"C"	"AD"
500	9.90	4.37
550	10.40	4.87
600	10.90	5.37

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.

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN BJB 08/22/03			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.03			SCALE 3=8			
				.XXX	±.005			REF 034946			
				.XXXX	±.0005	MAT'L. GENERAL PURPOSE		FMF			
				ANG	±1/2°	FINISH		PREV			
NO. REVISION BY & DATE				CHK	ANG	RFP	CAD FILE	028568	SIZE	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				DIST BRF-NLV				A	028568		

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



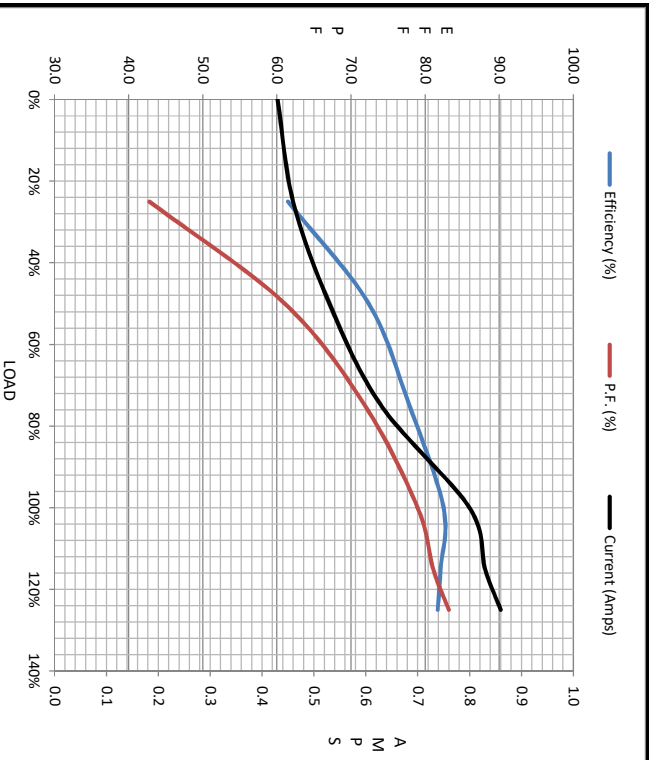
VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		REGAL ™ 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.		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)	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)	R1	R2	X1	X2	Xm	
Speed (RPM)	0	400	2700	3510	3600	0.5	3600	140	TENV	TTW	208-230/460	60	B	M	1.15	60	CONT	40	1,000	0.04	T632165 NR	65	NONE	028568-550	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000		
Current (Amps)	7.0	6.4	4.2	0.80	0.43																												
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00																												



LR	Pull-Up	BD	Rated	Idle
0	400	2700	3510	3600
7.0	6.4	4.2	0.80	0.43
2.53	2.30	3.6	0.75	0.00

