

PRODUCT INFORMATION PACKET



Model No: C6T34FC42 E

Catalog No: 114176.00

1/2HP..3450/2850RPM.56.TEFC.208-230/460V.3PH.60/50HZ.CONT.NOT.40C.1.15/1.15SF.C
FACE.GENERAL PURPOSE.C6T34FC42E

Totally Enclosed Fan Cooled (TEFC)



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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	2.0/1.0 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	72 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	K	Frame	56 C
Enclosure	Totally Enclosed Fan Cooled	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	9.98 in	Frame Length	4.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028776-450	Connection Diagram	005010.01

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



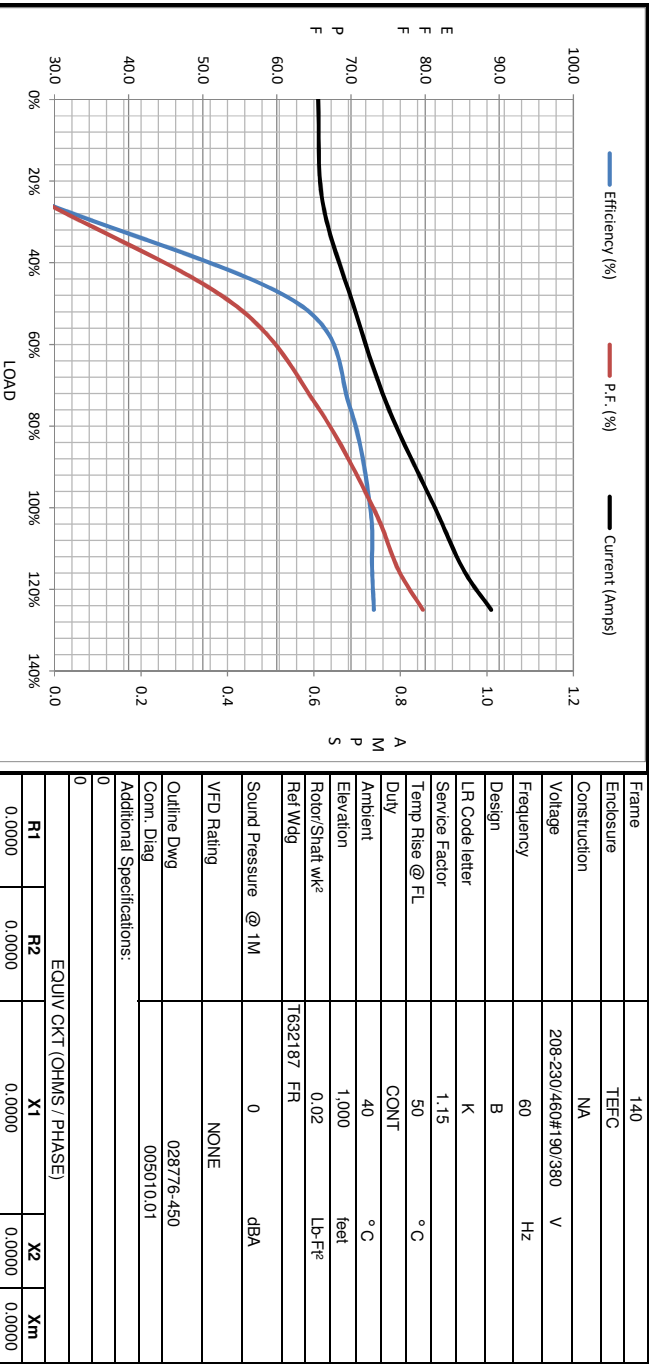
VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				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	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%	115%	125%	LR
Current (Amps)	0.61	0.62	0.69	0.77	0.88	0.95	1.01	5.4
Torque (ft-lb)	0.00	20.1	95.8	145	195	3,543	247	561
RPM	3600	3577	3533	3502	3467	3,451	3,428	0
Efficiency (%)		28.2	62.9	69.8	72.6	72.9	73.1	
P.F. (%)	27.6	28.5	54.1	65.4	73.0	76.4	79.7	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:	
Speed (RPM)	0	200	2600	3467	3600		0.5	3600	140	TEFC	208-230/460#190/380	60	B	K	1.15	50	CONT	40	1,000	0.02	T632187 FR	0	NONE	028776-450	005010.01		
Current (Amps)	5.4	5.0	3.2	0.88	0.61																						
Torque (ft-lb)	561	545	770	195	0.00																						



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

