

# PRODUCT INFORMATION PACKET



Model No: C184T17FB1BA

Catalog No: 199007.00

..5HP..1800RPM.184T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GENERAL PURPOSE.....

Totally Enclosed Fan Cooled (TEFC)



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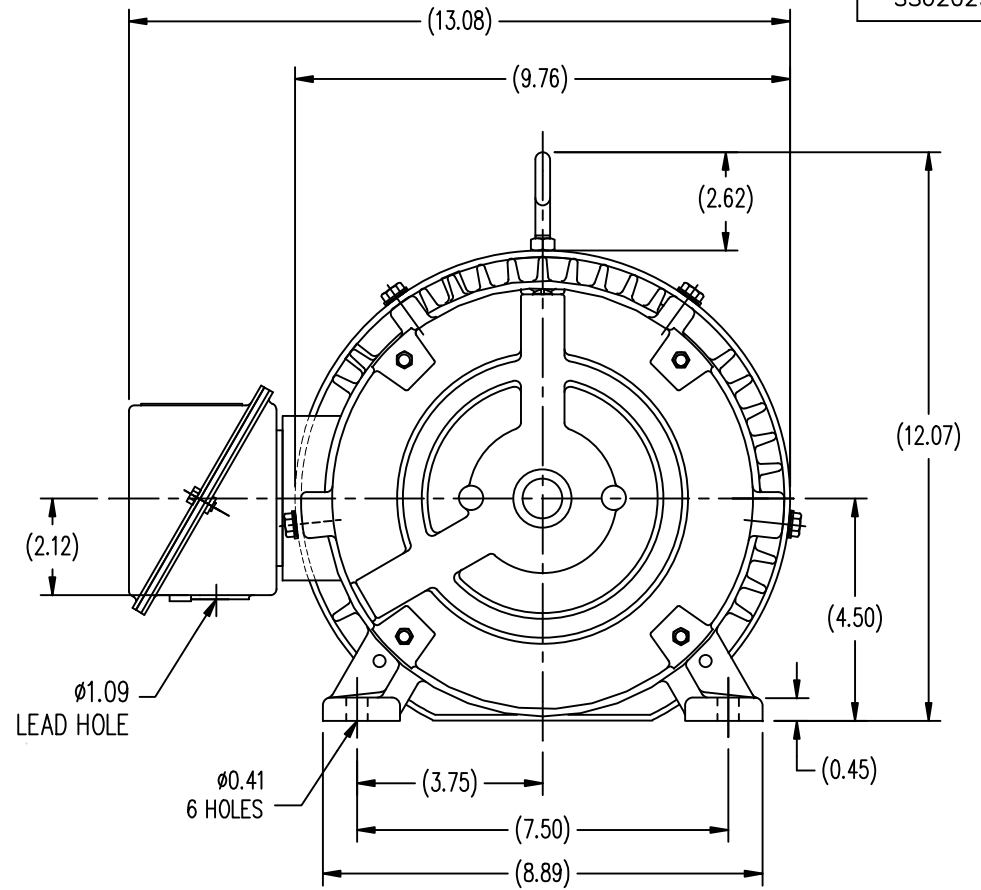
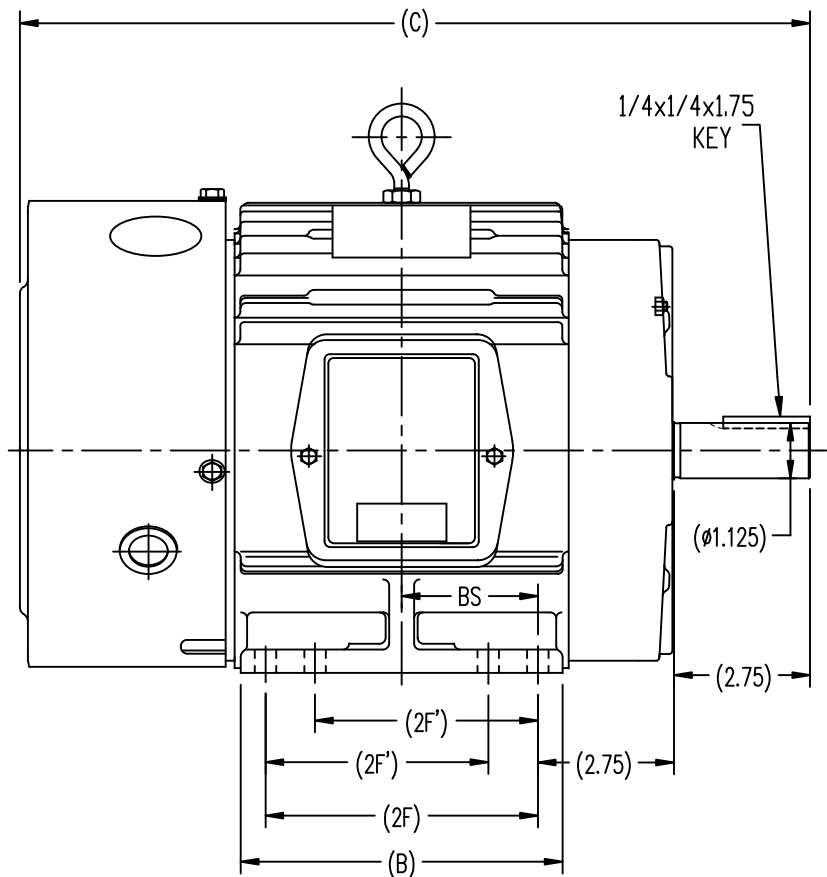


### Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.4/6.2 A	Speed	1740 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	A
KVA Code	K	Frame	184T
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	N
IP Code	43		

### Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	14.8 in	Shaft Diameter	1.13 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS620290-184T	Connection Diagram	EE7308-LE

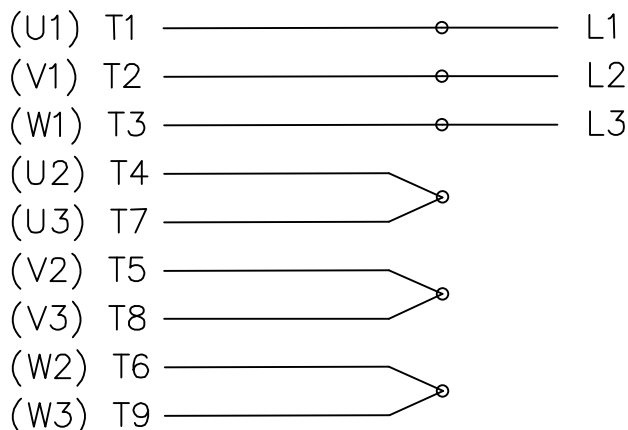


182T	14.80	5.50	4.50	/	2.25
184T	15.81	6.55	5.50	4.50	2.75
FRAME	C	B	2F	2F'	BS

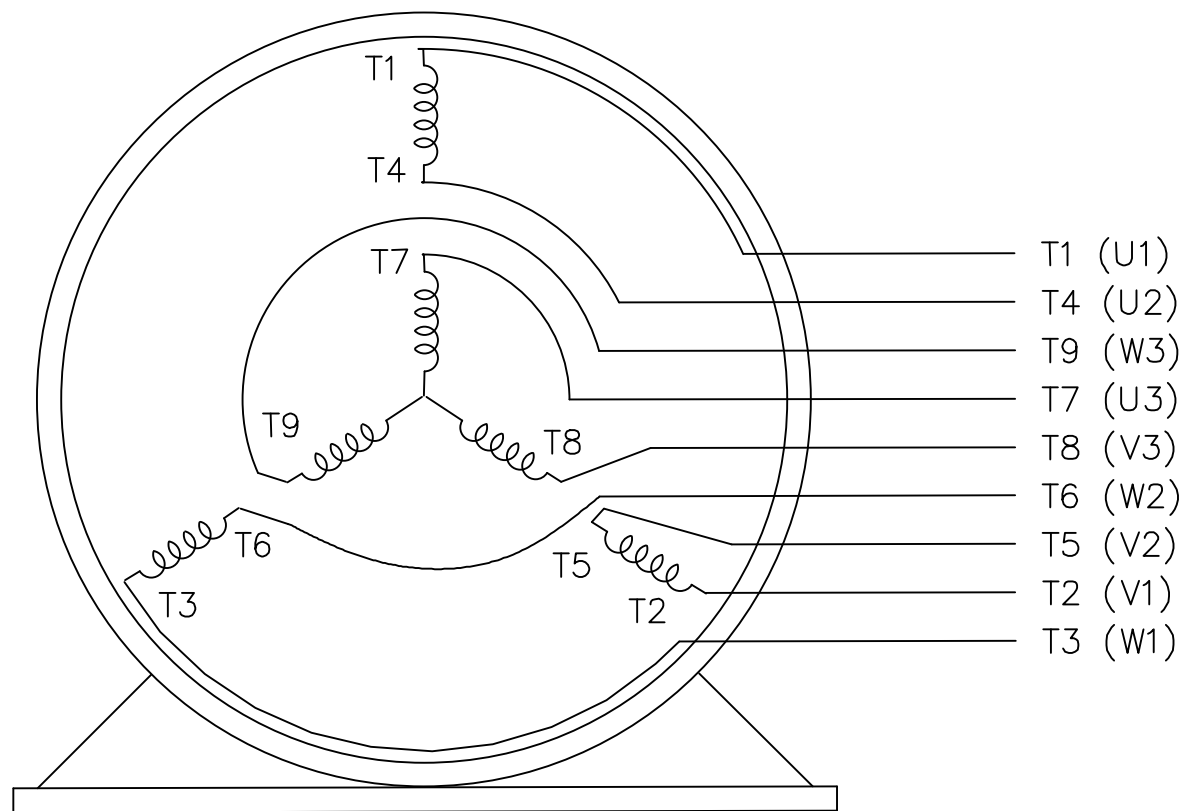
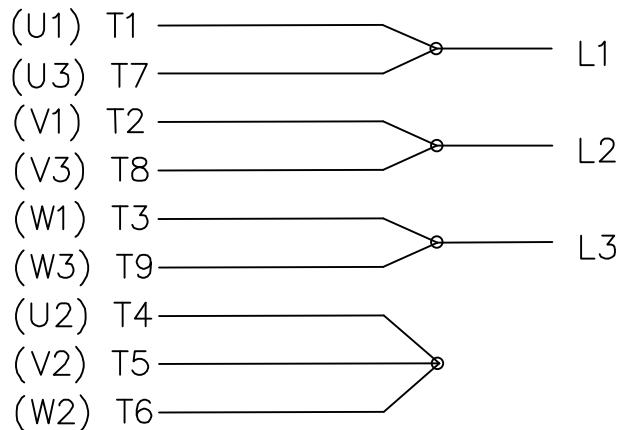
		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN HZJ 03-05-2010	
		DEC.	INCHES	REGAL-BELOIT CORPORATION		CHK ZYH 03-05-2010	
		.X	±.1	TITLE		APPD CL 03-05-2010	
		.XX	±.03	182/184T FR TEFC-CAST IRON		SCALE 1=2.5	
		.XXX	±.005	MAT'L		REF	
		.XXXX	±.0005	FINISH		FMF HWADA	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2-	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	SS620290	SIZE B
				DIST		DRAWING NO.	REV.
						SS620290	

### THREE PHASE DUAL VOLTAGE MOTOR

#### HIGH VOLTAGE




#### LOW VOLTAGE



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

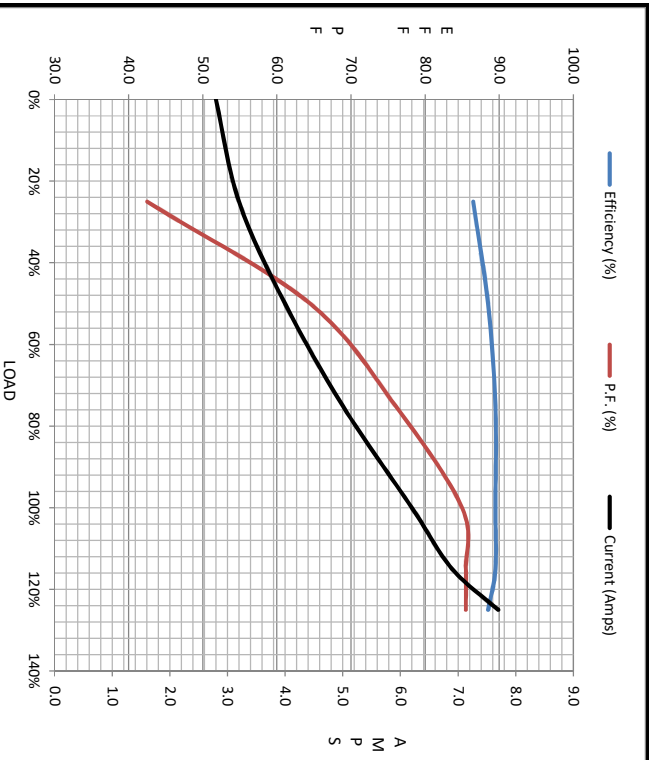
T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002			
				DEC.	INCHES		CHK	ML 05-03-2002		
				.X	±.1		APPD GK 05-03-2002			
				.XX	±.01	TITLE CONNECTION DIAGRAM				
				.XXX	±.005	3Ø - DUAL VOLTAGE MOTOR				
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX	±.005		SCALE 1=1			
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX	±.0005	MAT'L.	REF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV			
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				DIST	LB-WP					



Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.80	3.2	4.0	5.0	6.2	6.9	7.7	56.0
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.1	17.4	19.0	38.0
RPM	1800	1790	1780	1755	1740	1732	1725	0
P.F. (%)	5.5	86.5	88.5	89.5	89.5	88.5	88.5	53.0

Motor Speed Data					Information Block					
	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction
Speed (RPM)	0	900	1450	1740	1800	5.0	1800	184	TEFC	TFC
Current (Amps)	56.0	50.5	36.0	6.2	2.80					230/460#190/380
Torque (ft-lb)	38.0	34.2	57.4	15.1	0.00					60
										Hz
										A
										K
										1.15
										55
										°C
										CONT
										40
										°C
										1,000
										feet
										0.50
										LB-Ft <sup>2</sup>
										NONE
										62
										dB(A)
										CONSTANT 20-1
										VFD Rating
										SS620290
										Outline Dwg
										Conn. Diag
										EET308-LE
										Additional Specifications:
										0
										EQUIV CKT (OHMS / PHASE)
										R1
										R2
										X1
										X2
										Xm
										1-3040
										1-4740
										3-8270
										4-0370
										1063800



LR	R1	R2	X1	X2	Xm
0	1-3040	1-4740	3-8270	4-0370	1063800

