

PRODUCT INFORMATION PACKET



Model No: C6T17FC249A

Catalog No: 119564.00

119564.00..1HP..1760RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.C6T17FC249.....BRAKEMOTOR.T-STATS.....

Brake



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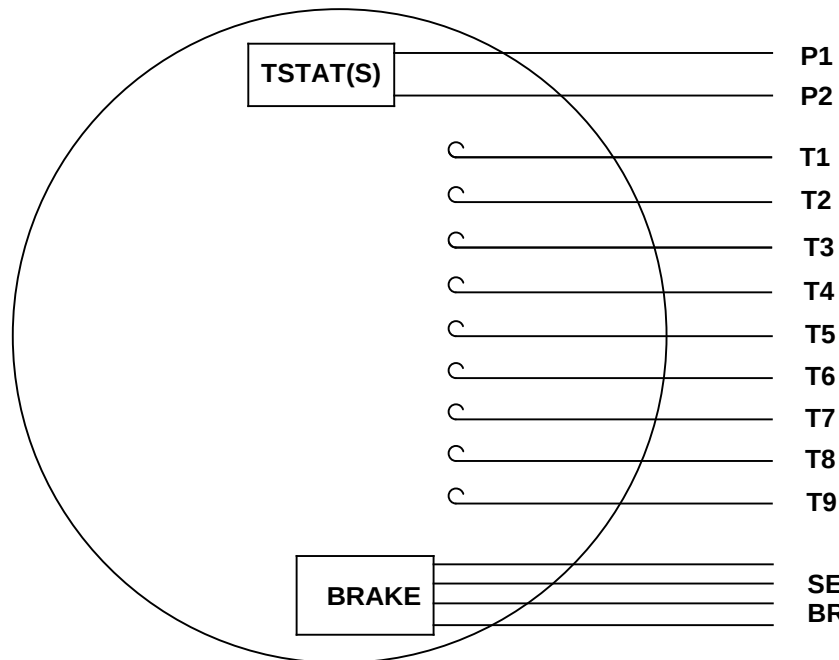
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.2/1.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56C
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	4	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	17.31 in	Frame Length	7.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	029084-700	Connection Diagram	005010.28

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

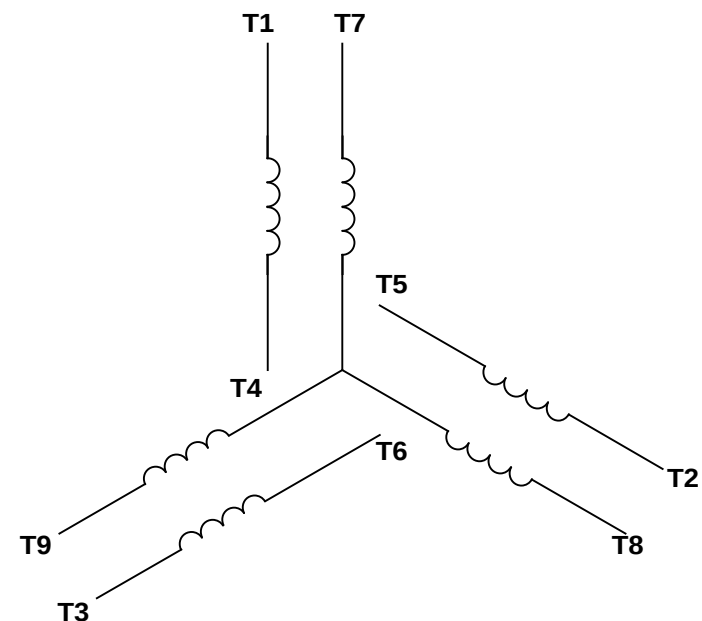


**SEE TABLE FOR
BRAKE CONNECTIONS**

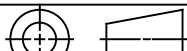
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BRAKE CONNECTION						
VOLTAGE	STERNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----



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			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RDW 09/14/99		
				DEC	INCHES				CHK		
				.X	±.1				APPR		
				.XX	±.01		TITLE EXTERNAL WIRING DIAGRAM		SCALE 1:1		
				.XXX	±.005	3 PHASE W/O PROTECTOR		REF 005010-15			
--	REDRAWN IN SOLIDWORKS		VJB 02/08/11		.XXXX	±.0005	MAT'L DECAL - 004014 DECAL - 080088		FMF		
NO	REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH CAMFAB INC.		PAGE	OF	
THIRD ANGLE PROJECTION 				RFP		PREV		SIZE A	DRAWING NO		REV --
				NETWORK FILE NAME 00501028					005010-28		



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.28
OUTLINE: 028822-700
WINDING: T634342

CAT #: 119564.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
1	0.75	1800	1760	56C	TEFC	TFR	N	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60	208-230/460	3.2-3.1/1.55	ACROSS THE LINE	CONT	F	1.15	40	3300				
F.L. EFF		85.5	3/4 LD EFF	85.4	1/2 LD EFF	79.6	GTD EFF	ELECT. TYPE					
F.L. PF		68.5	3/4 LD PF	61.5	1/2 LD PF	51.5	0.0	SQ CAGE IND RUN					
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
3.0	LB-FT	14.0		12.0 LB-FT		400%		15.8 LB-FT	527%	38			
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
65	dBA	74 dBA		0.12 LB-FT²		0 LB-FT²		10 SEC.		0		0 LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	BRAKE	ROUND	HORIZONTAL	NO	NONE	NO	NONE	IN - LEESON WATTS
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE	ODE							
BALL	BALL							
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)		ROLLED STEEL
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA		
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (In/sec)	FLOAT ODE		
0	0	0	0	0	0.150			

*		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
N		
O		
T		
E		
S		ENCODER: NONE NONE PPR
*		

Data Sheet

Date: 2/15/2018

119564.00



Data @ 460 V

Motor Load Data

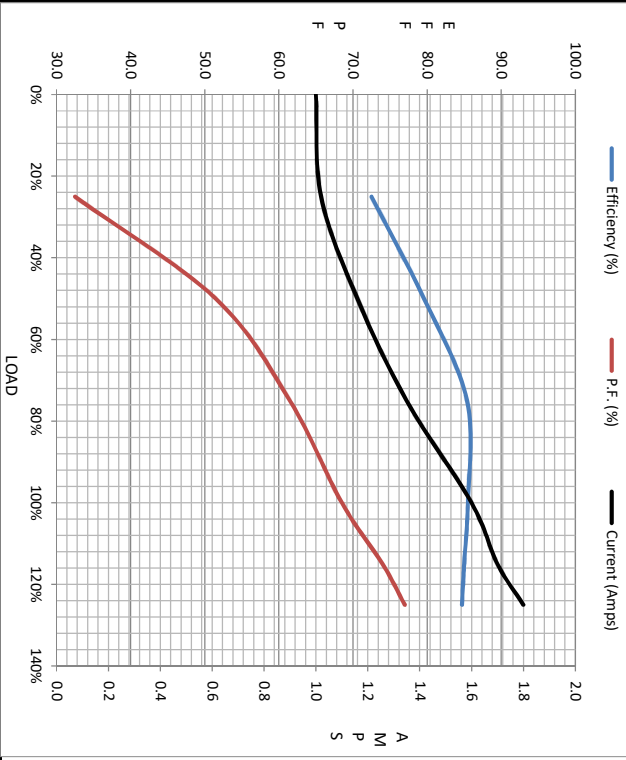
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0	
RPM	1800	1789	1779	1769	1760	1,750	1745	0	
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7		
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.12 Lb-Ft²			
Rel Wdg	T634342 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	028822-700			
Conn. Diag	005010.28			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

