

# PRODUCT INFORMATION PACKET



Model No: C6T17FC251A

Catalog No: 119542.00

119542.00..1HP..1760RPM.56C.TEFC.575VAC.3PH.60HZ.CONT.40C.1.15SF.C FACE.C6T17FC251.....T-STATS.....

575 Volts



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### Nameplate Specifications

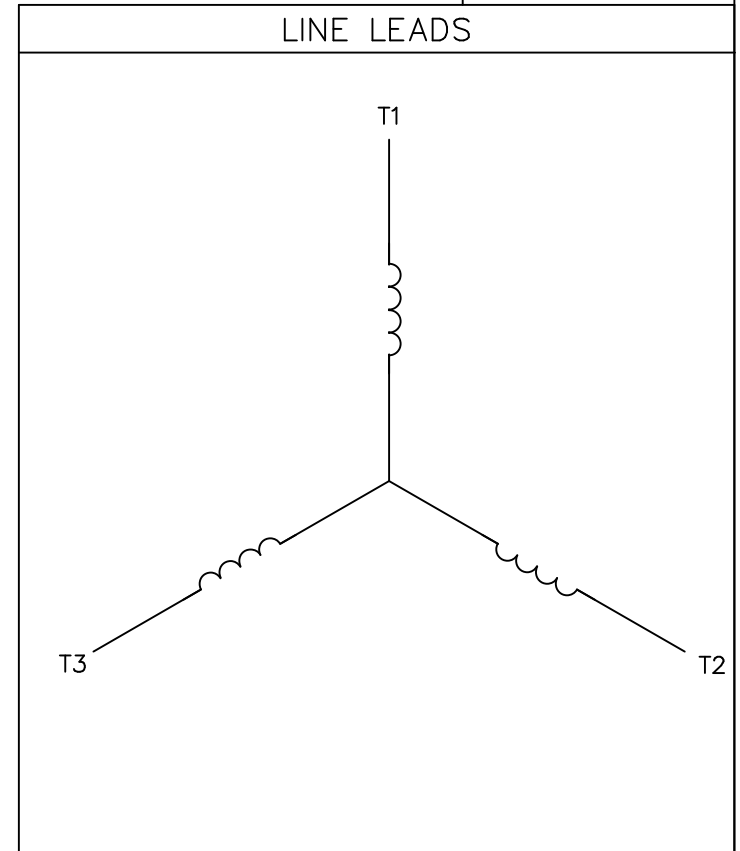
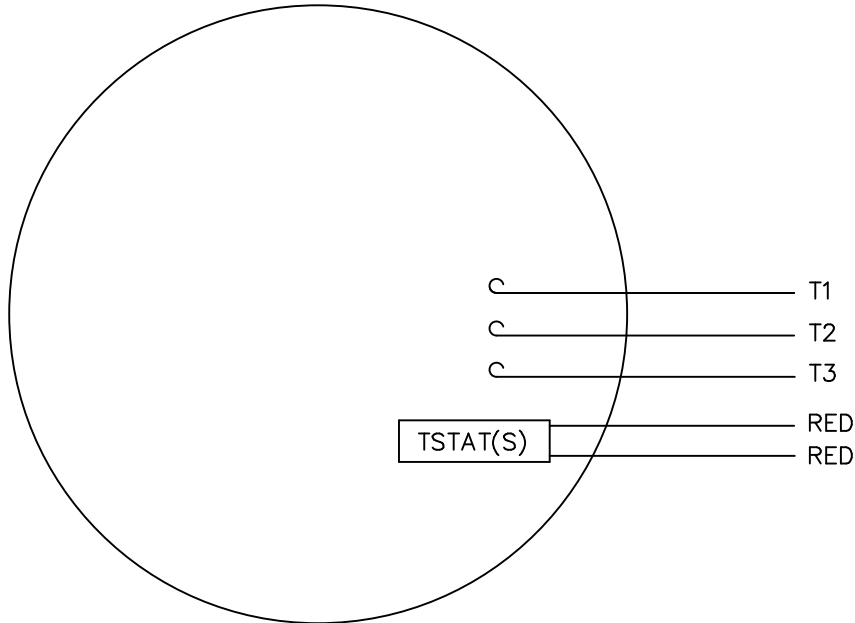
Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>1.3 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>N</b>	Frame	<b>56C</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Round</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>12.48 in</b>	Frame Length	<b>7.00 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>029091-700</b>	Connection Diagram	<b>005102.13</b>



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS

LINE	L1	L2	L3	
MOTOR	T1	T2	T3	

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

.00	± .01
.000	± .005
.0000	± .0005

FRACTIONS ± 1/64

ANGLES ± 1/2°

INCH/MM

**LEESON** ELECTRIC CORPORATION

DRAWN MN 9/28/98

CH'K'D.

APPR.

SCALE 1=1

REF. 005102-13

FMF

TITLE EXT. WIRING DIAGRAM  
TYPE "T" W/O PROTECTOR

MAT'L. DECAL - 004169  
(TSTAT) - 080582

FINISH

SIZE A DRAWING NO. 005102-13

NO.	REVISION	BY	DATE

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



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005102.13  
OUTLINE: 028776-700  
WINDING: T634342

CAT #: 119542.00

FR 4

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	575	1.25	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	0.0	ELECT. TYPE	SO CAGE IND RUN
F.L. PF	68.5	3/4 LD PF	61.5	1/2 LD PF	51.5				
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	12.0 LB-FT	400%	15.8 LB-FT	B.D. TORQUE	527%	F.L. RISE (°C)	38
3.0 LB-FT		11.2							
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	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	N - LEESON WATTS
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL ODE 6203	POLYREX EM	STANDARD 56	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			

* N O T E S *		INVERTER TORQUE: NONE	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		NONE	
		NONE	
		BRAKE: NONE	
		NONE	
		FT-LB: NA	
		NONE	
		NONE	
		NONE PPR	

DATE: 1/29/2018	UL: Y-(LEESON UL REC)	HZ:
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	0.80	0.82	0.93	1.08	1.28	11.2
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	12.0
RPM	1800	1789	1779	1769	1760	0
Efficiency (%)		72.5	79.6	85.4	85.5	
P.F. (%)	8.0	32.5	51.5	61.5	68.5	41.0

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 <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
Speed (RPM)	0	900	1170	1760	1800	1.0	1800	140	TEFC	TFR	575	60	B	N	1.15	38	CONT	40 °C	1,000	0.12	T634342 FR	65	NONE	028776-700	005102.13		
Current (Amps)	11.2	10.4	7.9	1.28	0.80																						
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00																						

