

PRODUCT INFORMATION PACKET



Model No: C6T17XC51A

Catalog No: 119423.00

C6T17XC51A..1HP..1800RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.C FACE.....GENERAL
PURPOSE.T-STATS.....

Explosion Proof



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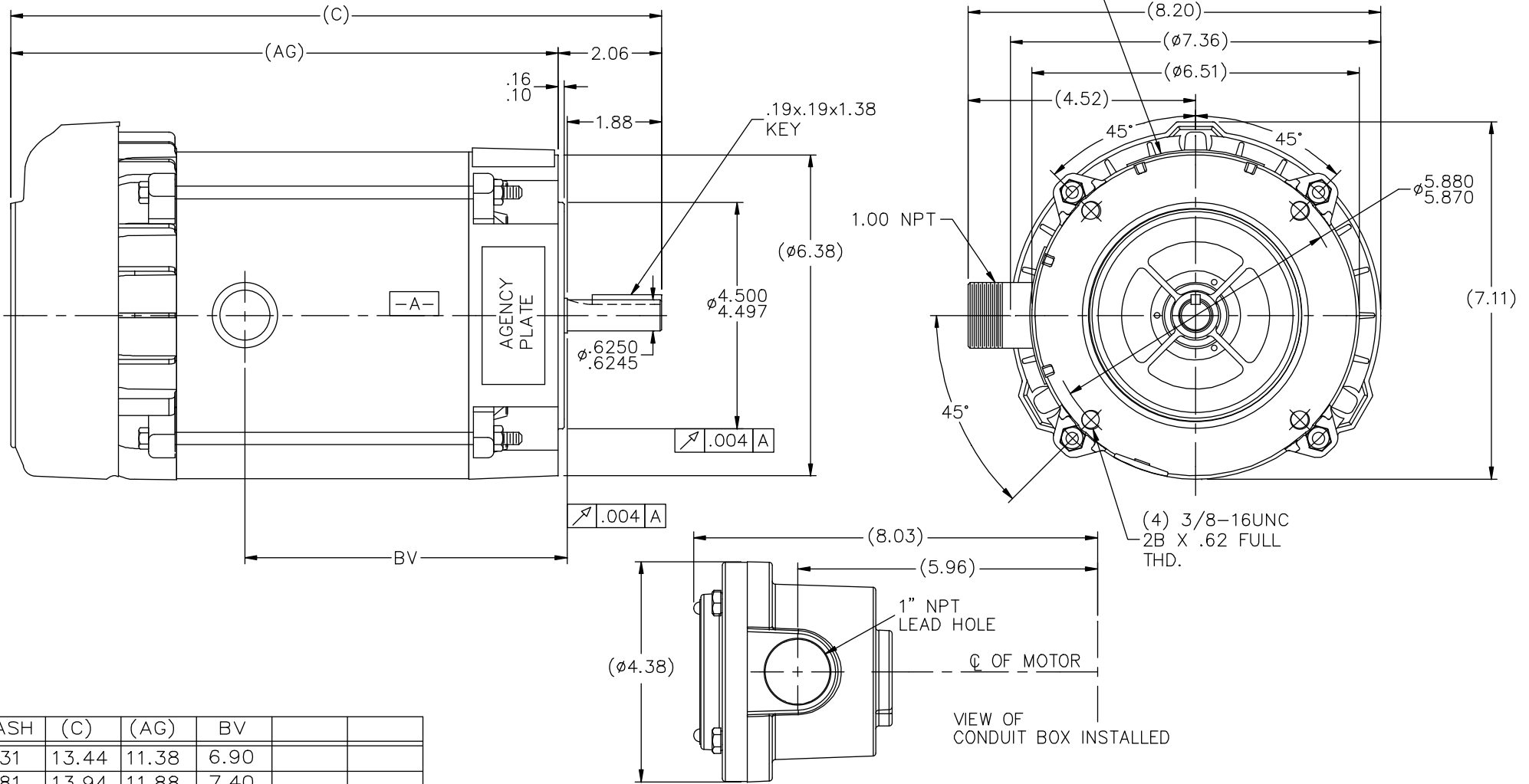
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.3/1.7 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	P	Frame	56C
Enclosure	Explosion Proof 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	54		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
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	15.94 in	Frame Length	8.81 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-104188LE-881	Connection Diagram	A-EE7308T-LE

NAMEPLATES TO BE READ FROM SHAFT EXT. END.

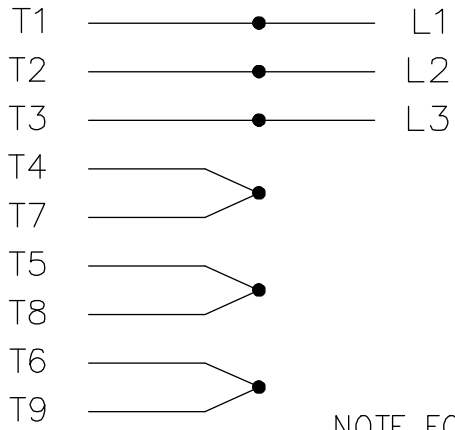


DASH	(C)	(AG)	BV		
631	13.44	11.38	6.90		
681	13.94	11.88	7.40		
731	14.44	12.38	7.90		
781	14.94	12.88	8.40		
831	15.44	13.38	8.90		
881	15.94	13.88	9.40		
931	16.44	14.38	9.90		
981	16.94	14.88	10.40		

		TOLERANCES UNLESS SPECIFIED		LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN RJW 06-22-2007	
		DEC.	INCHES					CHK	ML 06-22-2007
		.X	±.1					APPD	GK 06-22-2007
		.XX	±.03	TITLE		OUTLINE - 'C' FACE		SCALE	17=32
		.XXX	±.005			56 FR. - EXP. PR.		REF	
01	COND. BOX INSTALLED VIEW UPDATED PER ECR-0044571	UD	10/10/13	ST	.XXXX	±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	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	06-22-2007	CAD FILE	104188LE	SIZE	DRAWING NO. PAGE OF REV.
				DIST	WP			B	104188LE 01

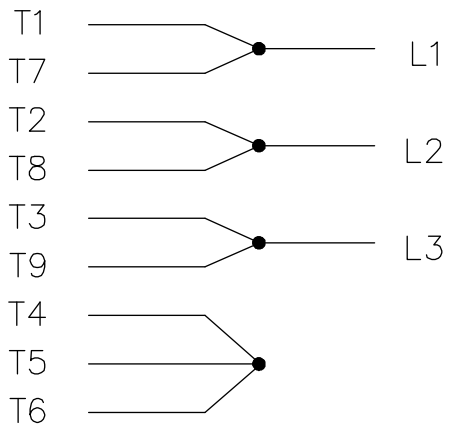
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

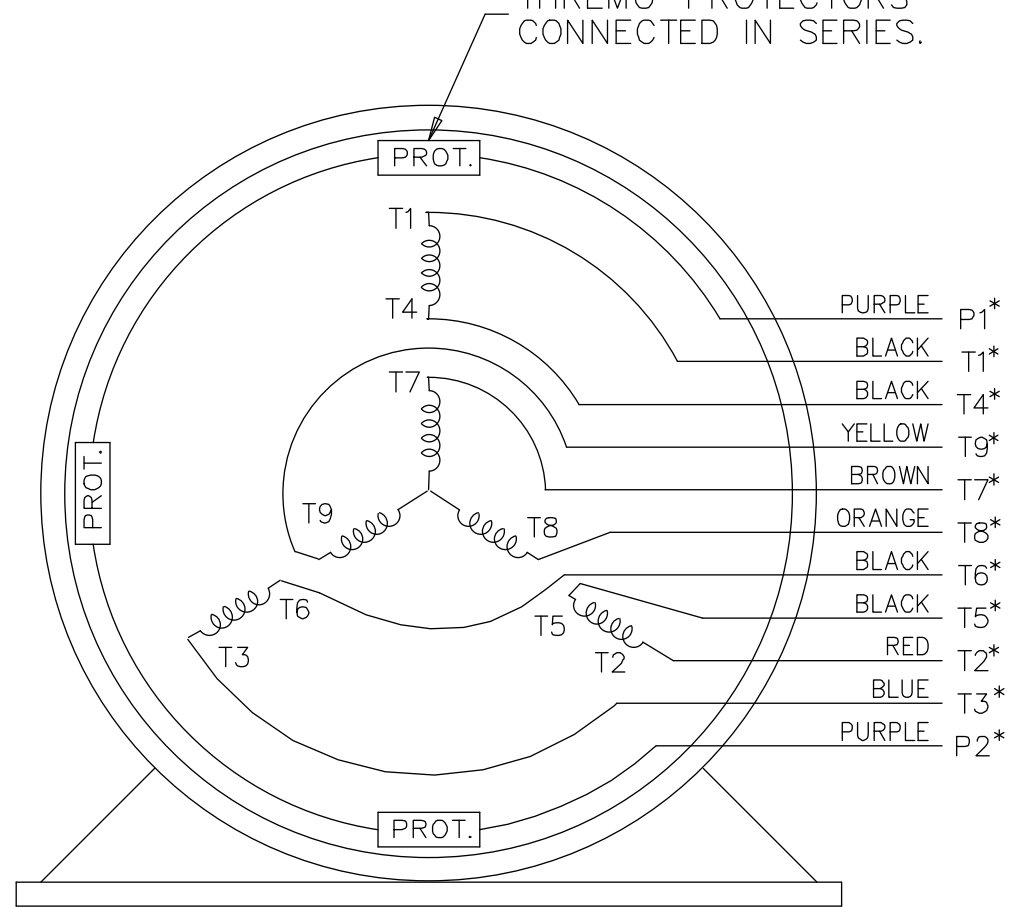


NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE



THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWING NO.	PAGE	OF	REV.
					DEC.	INCHES					
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD	DEC.	INCHES						
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1						
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02						
02	REDRAWN	TAT 04-20-2004	ML	.XXX	±.005						
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.XXXX	±.0005						
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							DIST LB-WP-LE				



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE CONNECTION DIAGRAM
3 PHASE - DUAL VOLTAGE MOTOR

DRAWN	TJB	05-07-2002
CHK	ML	05-08-2002
APPD	TB	05-08-2002
SCALE	1=1	
REF		
FMF		
PREV		



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET7308T-LE
OUTLINE: B-104188LE-381
WINDING: ZT4257

CAT #: 119423.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
1	0.75	1800	1765	56C	TEFC	TFR	P	A					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	230/460#190/380	3.3/1.65#83.1/1.55	ACROSS THE LINE	CONT	B	1.15	40	3300				
F.L. EFF		85.5	3/4 LD EFF	84.0	1/2 LD EFF	81.5	GTD EFF	82.5	ELECT. TYPE				
F.L. PF		68.0	3/4 LD PF	59.5	1/2 LD PF	46.5			SO CAGE IND RUN				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
3.0 LB-FT		17.0		13.7 LB-FT 457%		16.8 LB-FT 560%		30					
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
62 DBA		71 DBA		0.12 LB-FT²		0 LB-FT²		15 SEC.		2		48 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	DEF CL I GR C&D CL II GR	NO	NONE	JE-LEESON/ENAM
BEARINGS DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)		ROLLED STEEL
6203	6203							
THERMOSTATS TSTATS (N/C)	PROTECTORS	WIDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
	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		
2.425	1.602	3.105	2.772	75.863	0.150			

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

DATE: 1/17/2018	UL: Y-(LEESON UL REC)
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Data Sheet

Date: 1/17/2018

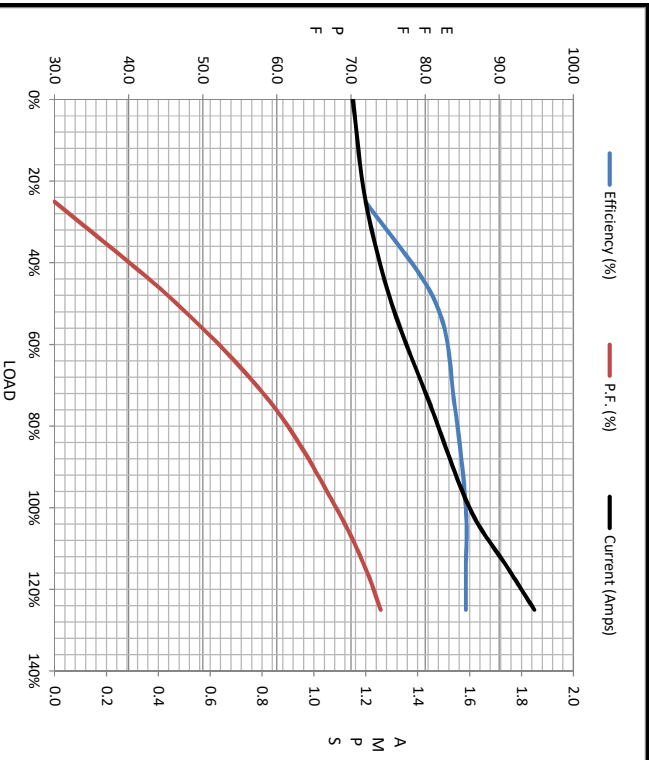
119423.00



Data @ 460 V

Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.15	1.20	1.30	1.45	1.60	17.0
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	13.7
RPM	1800	1790	1785	1775	1765	0
Efficiency (%)		72.0	81.5	84.0	85.5	
P.F. (%)	7.5	30.0	46.5	59.5	68.0	69.5

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:	
LR	0	115	1270	1765	1800	1.0	1800	143	TEFC	TFR	230/460#190/380	60	A	P	1.15	30	CONT	40 °C	1,000 feet	0.12	Z14257 FR	62	NONE	B-104180LE-881	A-EE7308T-1E		
Speed (RPM)	0	115	1270	1765	1800																						
Current (Amps)	17.0	16.0	11.0	1.60	1.15																						
Torque (ft-lb)	13.7	12.5	16.8	3.0	0.00																						



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
2.4250	1.6020	3.1050	2.7720
			75.8630

