

PRODUCT INFORMATION PACKET



Model No: C6T17FC227A

Catalog No: 117712.00

117712.00..3/4HP..1725RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C-
FACE.C6T17FC227.....UNIT HANDLING.NONE.....

Unit Handling



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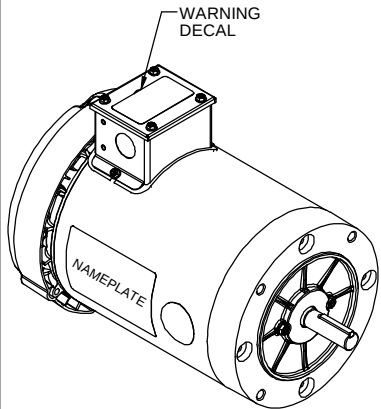
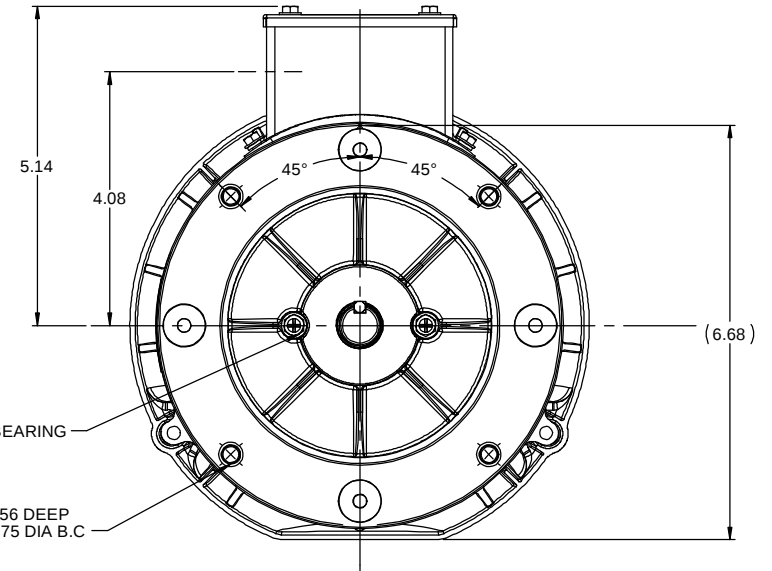
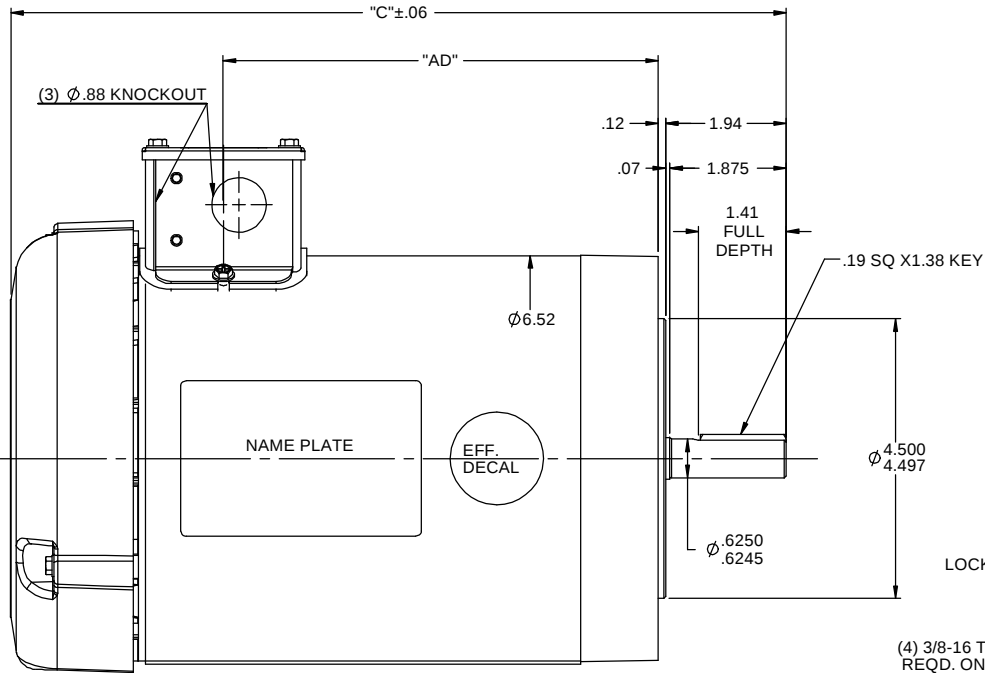
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.8/1.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	77 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	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	10.48 in	Frame Length	5.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F3		
Outline Drawing	607-0032-500	Connection Diagram	005010.01

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MAXIMUM FACE RUNOUT TO BE .004 T.I.R
MAXIMUM PILOT ECCENTRICITY .004 T.I.R
PERMISSIBLE SHAFT RUNOUT .002 T.I.R

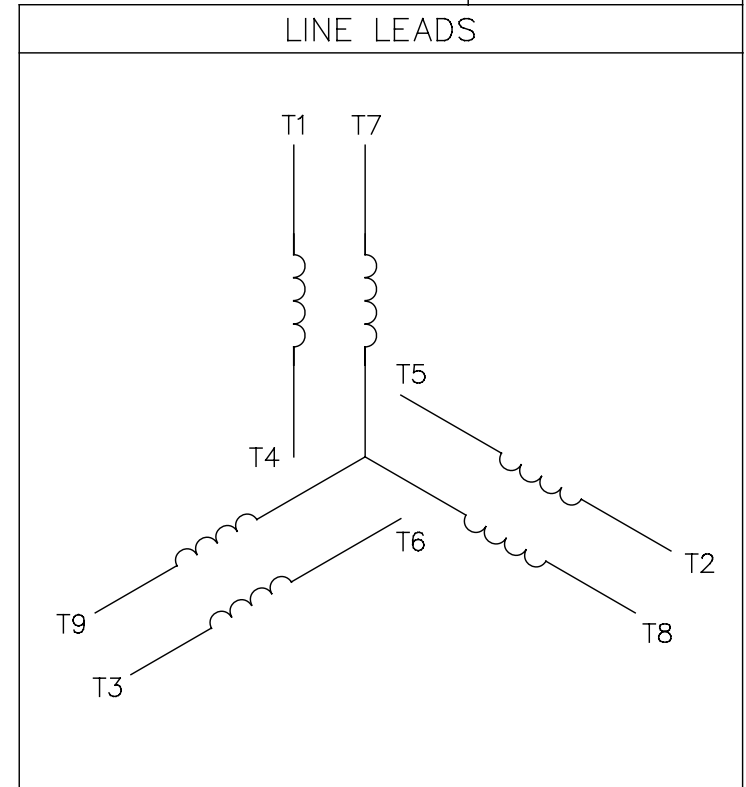
DASH NO.	"C"	"AD"
500	10.48	5.00
550	10.98	5.50
600	11.48	6.00
650	11.98	6.50
700	12.48	7.00
750	12.98	7.50
800	13.48	8.00

NOTE:
1) GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JD 11/17/2011	
				DEC INCHES				CHK VS 11/17/2011	
				X ±.1				APPR	
				XX ±.03		TITLE OUTLINE - 56C FRAME		SCALE 1:2	
				XXX ±.005		C- FACE T.E.F.C		REF 607-0029	
				XXXX ±.0005		MATL GENERAL PURPOSE		FMF 117711.00	
NO	REVISION			BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE	OF
THIRD ANGLE PROJECTION					PREV			SIZE	DRAWING NO
					NETWORK FILE NAME 607-0032			B	607-0032
								REV	

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 EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L DECAL - 004014		
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 A	DRAWING NO. 005010-01		REV. A
				DIST BRF-NLV							



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 607-0032-500
WINDING: T634188

FR 3

CAT #: 117712.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
0.75	0.56	1800	1745	56C	TEFC	TFR	K	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	208-230/460	2.7-2.8/1.4	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF		77.3	3/4 LD EFF	75.6	1/2 LD EFF	70.3	GTD EFF	ELECT. TYPE	
F.L. PF		64.6	3/4 LD PF	54.7	1/2 LD PF	42.5	0.0	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
574	LB-FT	8.1		1,691 LB-FT		2,137 LB-FT		372%	
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME	
52	dBA	61 dBA		0.06 LB-FT²		0.1 LB-FT²		10 SEC.	
								STARTS/HOUR	
								0	
								MOTOR WGT	
								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	JE - LEESON (ENAM
BEARINGS DE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE		1144 STRESSPROOF (C-223)	ROLLED STEEL	
6203	6203							
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	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		
0	0	0	0	0	0.150	ODE		

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

DATE: 1/18/2018		UL: Y-(LEESON UL REC)	
		HZ:	

Data Sheet

Date: 1/18/2018

117712.00



Data @ 460 V

Motor Load Data

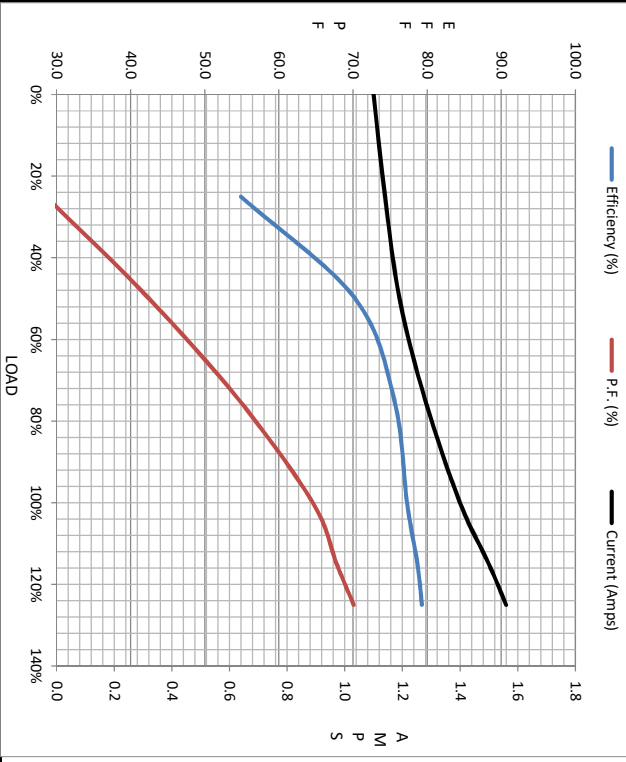
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.10	1.14	1.19	1.28	1.40	1.50	1.56	8.1	
Torque (ft-lb)	0.00	144	287	431	574	660	718	1,691	
RPM	1800	1787	1774	1760	1745	1,735	1730	0	
Efficiency (%)		54.9	70.3	75.6	77.3	78.7	79.3		
P.F. (%)	13.0	28.6	42.5	54.7	64.6	67.8	70.1	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	300	1550	1745	1800
Current (Amps)	8.1	8.0	4.9	1.40	1.10
Torque (ft-lb)	1,691	1,643	2,137	574	0.00

Information Block

HP	0.8
Sync. RPM	1800
Frame	140
Enclosure	TEFC
Construction	TFR
Voltage	208-230/460 V
Frequency	60 Hz
Design	B
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	60 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.06 Lb-Ft²
Rel Wdg	T634188 FR
Sound Pressure @ 1M	52 dBA
VFD Rating	NONE
Outline Dwg	607-0032-500
Conn. Diag	005010.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	0.0000



Speed -Torque Curve

