

PRODUCT INFORMATION PACKET



Model No: C6T17FC114D

Catalog No: 114213.00

..3/4HP..1725RPM.56.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.C6T17FC114D.....WATTS-AVER.AUTOMATIC.....

Totally Enclosed Fan Cooled (TEFC)



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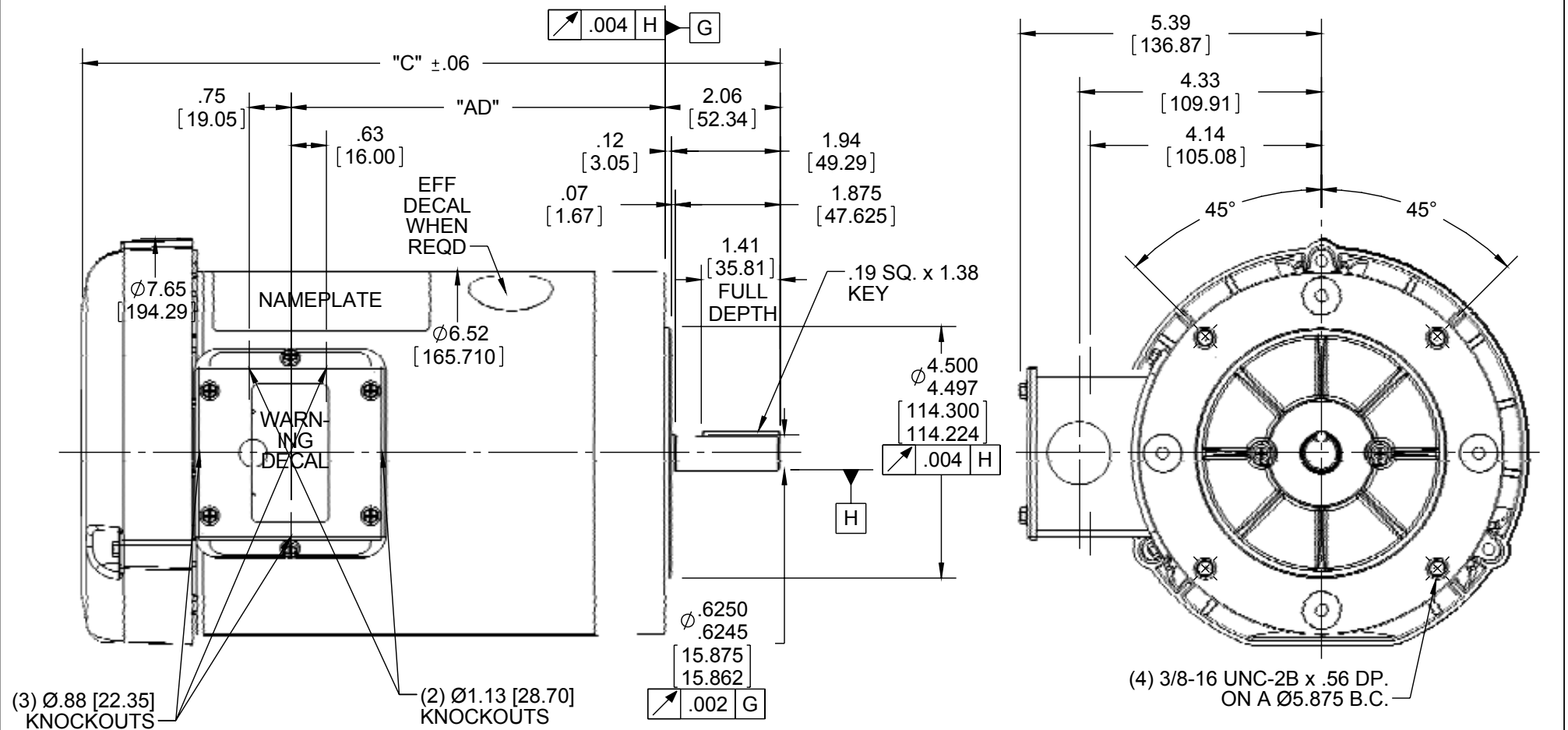


Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.5-2.4/1.2 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	81.5 %	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	Y
IP Code	43		

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	10.98 in	Frame Length	5.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028776-550	Connection Diagram	005010.20



NOTE:
1) GASKETS THROUGHOUT

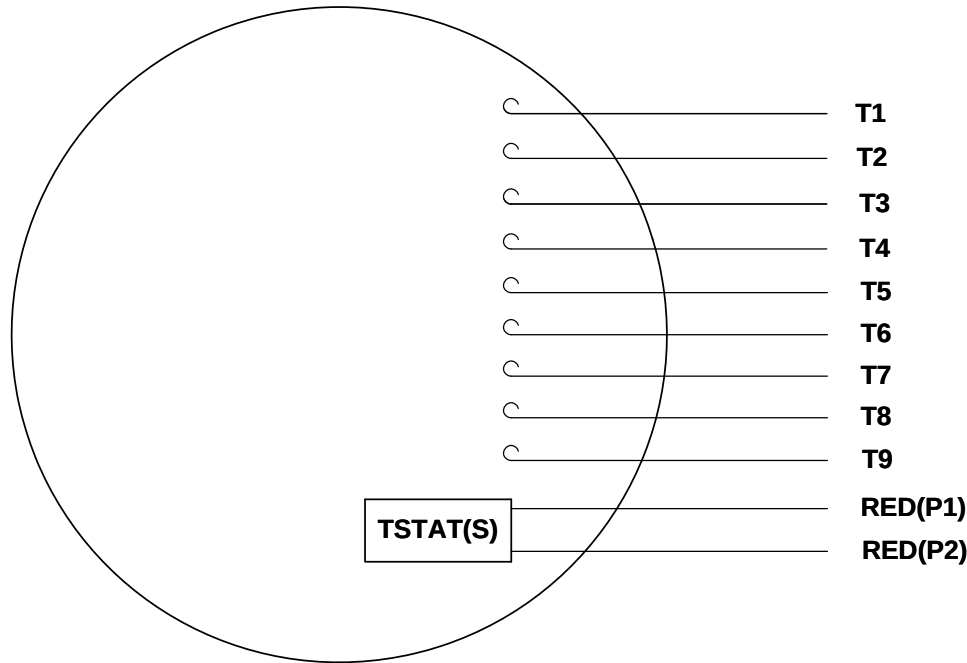
ORACLE REV
004

DASH NO.	"C"	"AD"	DASH NO.	"C"	"AD"
450	9.98	4.19	650	11.98	6.19
500	10.48	4.69	675	12.23	6.44
550	10.98	5.19	700	12.48	6.69
600	11.48	5.69	750	12.98	7.19
625	11.73	5.94	800	13.48	7.69

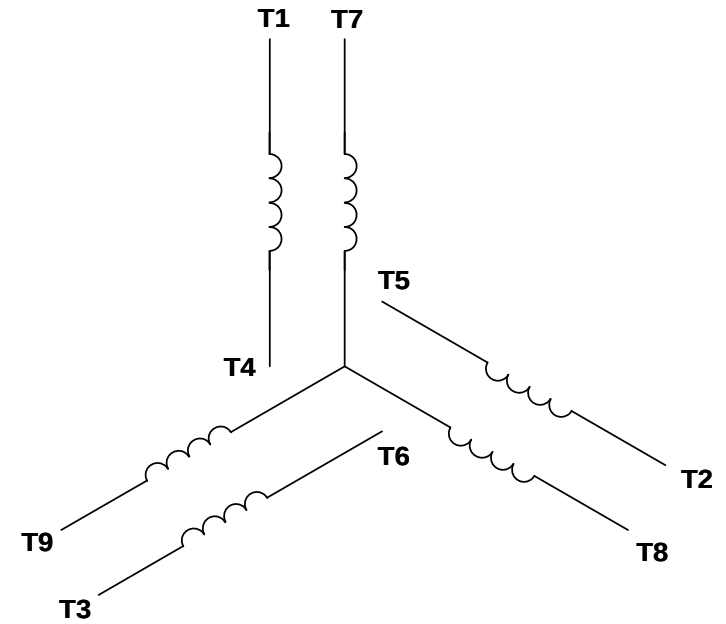
DRAWING REVISION E	REVISION BY STEVE WEBER	DATE 01/19/16	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 125/3.2 INCH/mm mm SHOWN IN [BRACKETS]				DRAWN BY KMM	REGAL TM Regal Beloit America, Inc.			
ECO ECO-0092098	APPROVED BY	DATE					DATE 08/01/07				
ECO DESCRIPTION ADDED #450 (114176)							APPROVED BY	DESCRIPTION OUTLINE 56C FRAME TEFC - "C" FACE			
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			REFERENCE	MATERIAL		PROCESS/FINISH GENERAL PURPOSE					
			THIRD ANGLE PROJECTION	SIZE A		DRAWING NUMBER 028776		SHEET 1 OF 1			

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

Uncontrolled Copy



LINE LEADS



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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm

mm SHOWN IN [BRACKETS]

DRAWN BY
DBT 12/16/97

DATE

APPROVED BY
KH 12/17/97

DATE

REFERENCE

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL
DECAL - 004014 (TSTAT) - 080582

PROCESS/FINISH
STOCK

SIZE
A

DRAWING NUMBER

00501020

SHEET
1 OF 1



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20
OUTLINE: 028776-550
WINDING: T634302

CAT #: 114213.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
0.75	0.56	1800	1744	56C	TEFC	NA	K	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60/50	208-230/460#190/380	2.5-2.35/1.2&2.7/1.35	LINE OR INVERTER	CONT	F	1.15	40	3300			
F.L.EFF		81.6	3/4 LD EFF	81.2	1/2 LD EFF	79.5	GTD EFF	ELECT. TYPE				
F.L.PF		72.3	3/4 LD PF	66.6	1/2 LD PF	54.3	0.0	SQ CAGE INVERTED				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)				
574	LB-FT	8.0		1,690 LB-FT		294%		2,168 LB-FT	378%	32		
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR	MOTOR WGT	
0	dba	9	dba	0.08	LB-FT²	0.1	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									
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		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		
0	0	0	0	0	0.150		ODE		

INVERTER TORQUE: CONSTANT 10:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
BRAKE: NONE
FT-LB: NONE
VOLTAGE: NONE
HZ: NONE

DATE: 1/29/2018

UL: Y-(LEESON UL REC)

Date: 1/29/2018

114213.00



Data@ 460 V

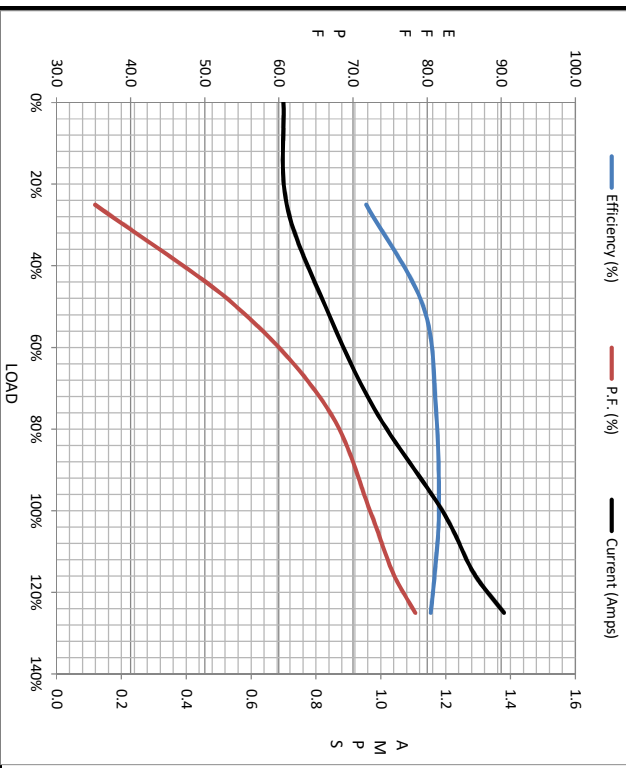
Motor Load Data									
	0%	25%	50%	75%	100%	115%	125%	LR	
Load									
Current (amps)	0.70	0.71	0.83	0.98	1.19	1.29	1.38	8.0	
Torque (ft-lb)	0.00	143	287	430	574	10,289	717	1,690	
RPM	1800	1775	1787	1760	1744	1,738	1730	0	
Efficiency (%)		71.8	79.5	81.2	81.6	81.1	80.6		
P.F. (%)	11.7	35.2	54.3	66.6	72.3	75.4	78.4	0.0	

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1744	1800

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1744	1800
Current (amps)	8.0	7.3	4.8	1.19	0.70
Torque (ft-lb)	1.690	1.658	2.168	574	0.00

Information Block	
HP	0.8

Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	NA			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	32 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.08 Lb-Ft²			
Ref Wdg	T634302 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	028776-550			
Conn. Diag	005010.20			
Additional Specifications:				
0				
0				
EQUIV CKT (CHMS./PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

