PRODUCT INFORMATION PACKET

Model No: C6T17FC250A

Catalog No: 119565.00

119565.00..1.5HP..1750RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.C6T17FC250.....BRAKEMOTOR.NONE.....

Brake

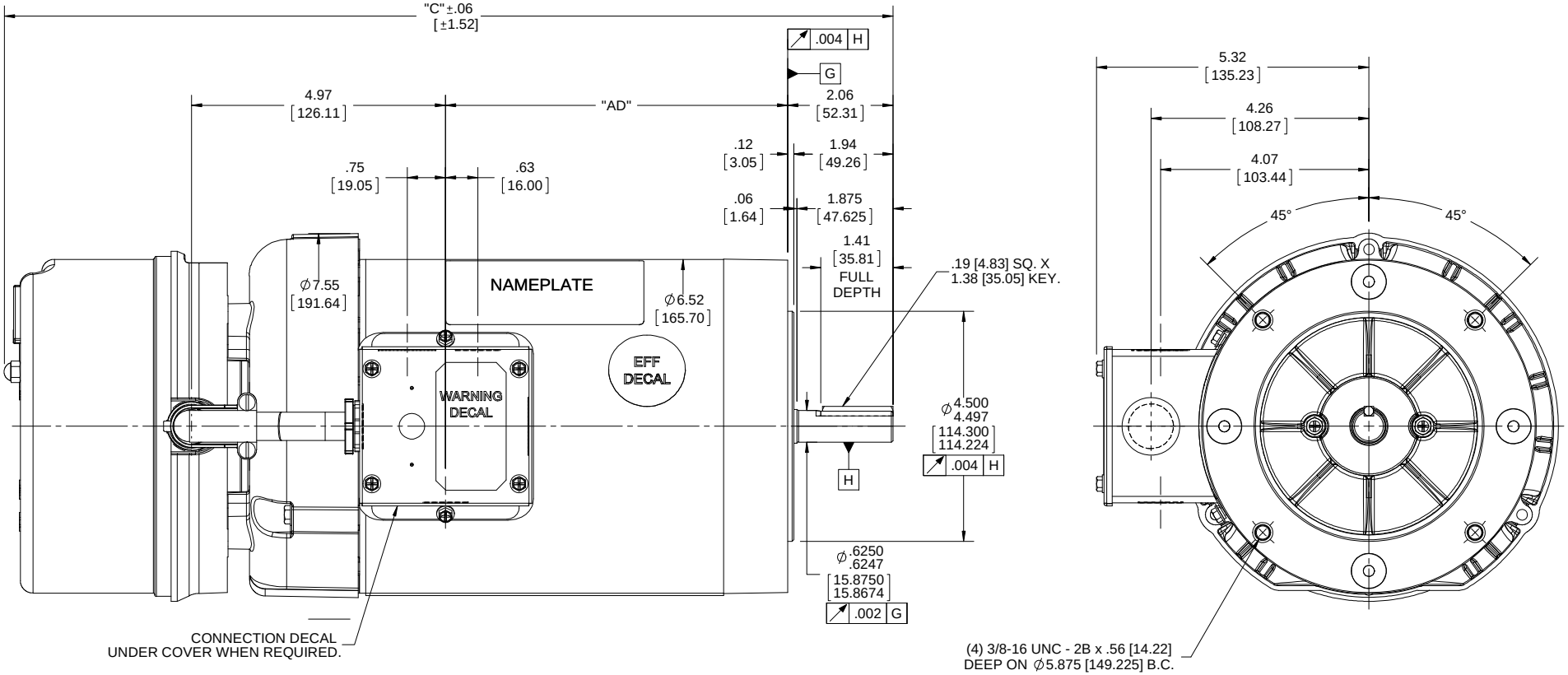
Product Information Packet: Model No: C6T17FC250A, Catalog No:119565.00
119565.00..1.5HP..1750RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.C6T17FC250.....BRAKEMOTOR.NONE.....

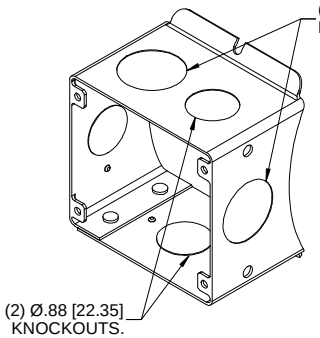
Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**208-230/460 V**
Current	**4.6-4.8/2.4 A**	Speed	**1750 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**C**
KVA Code	**L**	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	**17.81 in**	Frame Length	**7.50 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**029084-750**	Connection Diagram	**005010.28**





KNOCKOUT LOCATION
DETAIL VIEW.

NOTE:-
1) GASKET THROUGHOUT.

DASH NO.	"C"	"AD"
700	17.37 [441.19]	6.69 [169.93]
750	17.69 [449.33]	7.19 [182.63]

DRAWING REVISION	REVISION BY	DATE
A		
ECO	APPROVED BY	DATE
ECO-0140840		
ECO DESCRIPTION		
OUTLINE CONVERSION PROJECT		

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 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	A SUPPANNAVAR
DATE	01/16/2018
APPROVED BY	PK
DATE	03/08/2018
REFERENCE	028822
THIRD ANGLE PROJECTION	

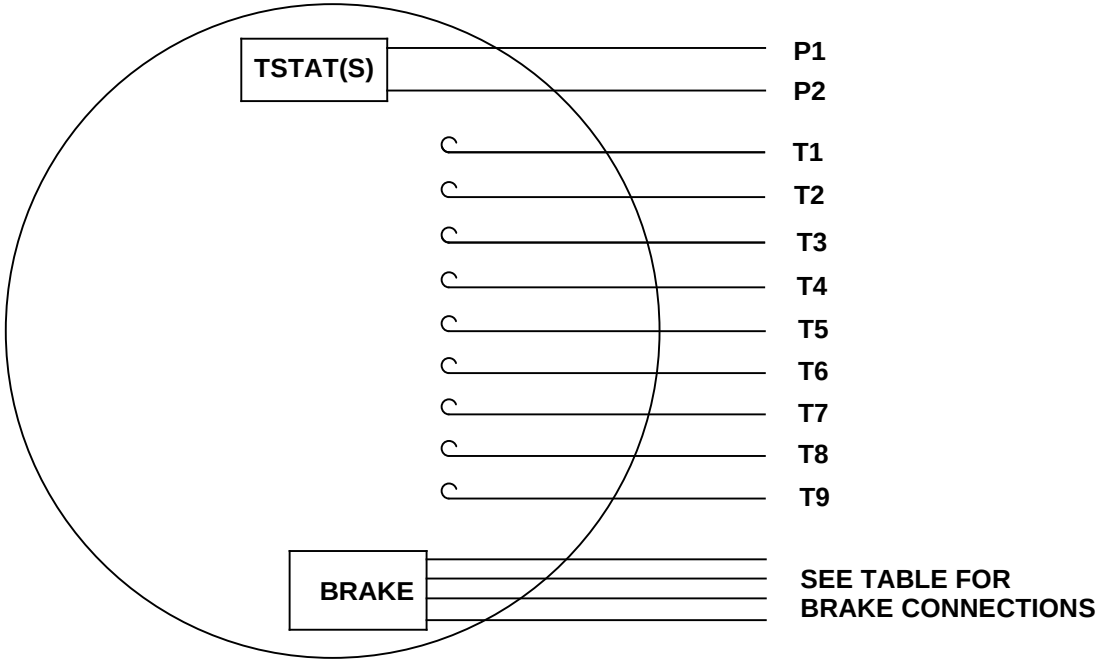
Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
TEFC-"C" FACE- BRAKEMOTOR

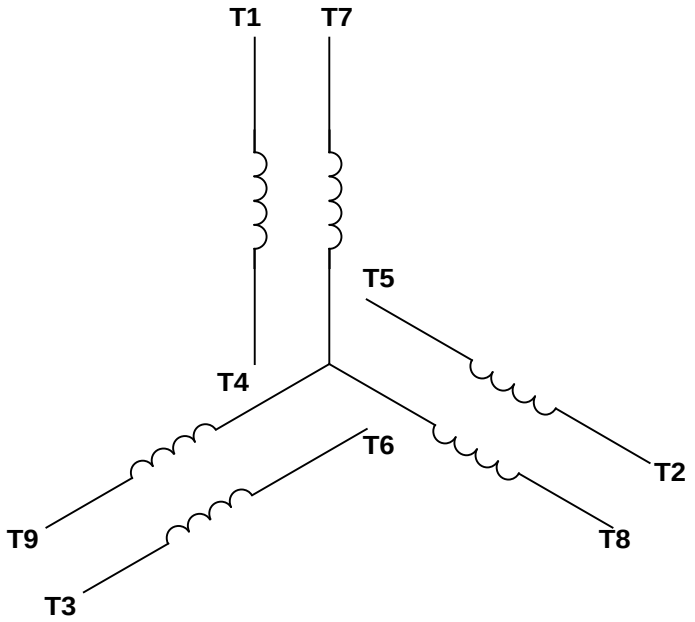
MATERIAL | PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	029084	1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

NO	REVISION	BY & DATE	CHK
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	

TOLERANCES UNLESS SPECIFIED

DEC	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR

MAT'L DECAL - 004014 DECAL - 080088

FINISH CAMFAB INC.

DRAWN RDW 09/14/99
CHK
APPR
SCALE 1:1
REF 005010-15
FMF
PAGE OF

THIRD ANGLE PROJECTION

RFP
PREV
NETWORK FILE NAME 00501028

SIZE A
DRAWING NO 005010-28
REV --

2/11/2011 12:47:03 PM

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.28 **CAT #:** 119565.00
OUTLINE: 028822-750
WINDING: T634341 FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1800	1750	56C	TEFC	TFR	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	4.4-4.3/2.15&3.6/1.8	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	86.5	3/4 LD EFF	87.2	1/2 LD EFF	84.0	GTD EFF	ELECT. TYPE
F.L. PF	67.7	3/4 LD PF	63.0	1/2 LD PF	55.0	0.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
4.5 LB-FT	18.5	17.2 LB-FT 382%	20.4 LB-FT 453%	45	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
65 dBA	74 dBA	0.14 LB-FT²	0.1 LB-FT²	10 SEC.	3	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	ROUND	HORIZONTAL	NO	NONE	NO	NONE	:N - LEESON WATTS

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6203	BALL 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
0	0	0	0	0	0.150	ODE

NOTES
*
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: STEARNS
56,000 NEMA 2
FT-LB: 10
VOLTAGE: 208-230/460-190/380 **HZ:**
UL: Y-(LEESON UL REC)

DATE: 1/29/2018

Data Sheet

Date: 1/29/2018

LEESON

119565.00

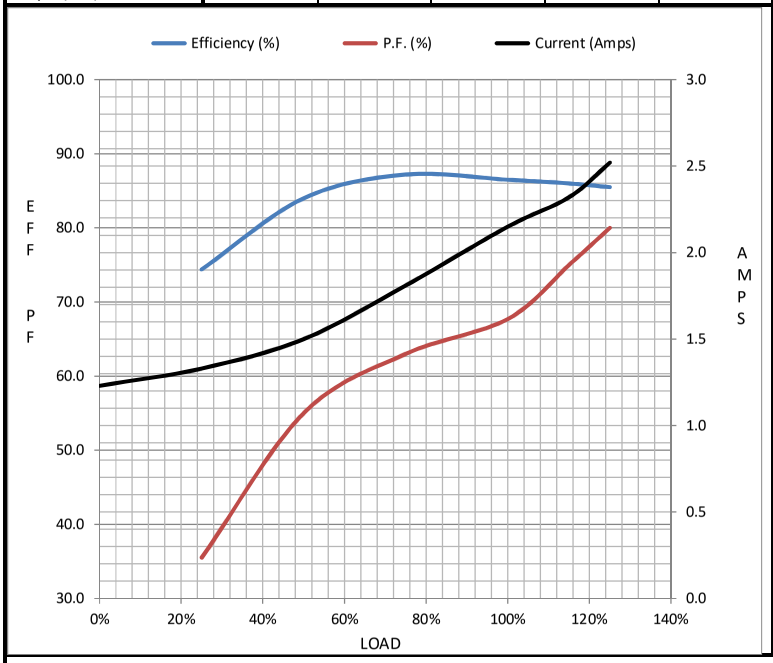
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.23	1.33	1.50	1.81	2.15	2.32	2.52	18.5	
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6	17.2	
RPM	1800	1785	1772	1760	1750	1,738	1732	0	
Efficiency (%)		74.4	84.0	87.2	86.5	86.0	85.5		
P.F. (%)	9.9	35.5	55.0	63.0	67.7	75.0	80.0	48.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1750	1800
Current (Amps)	18.5	16.1	12.1	2.15	1.23
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00



Information Block

HP	1.5	
Sync. RPM	1800	
Frame	140	
Enclosure	TEFC	
Construction	TFR	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	L	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.14	Lb-Ft²
Ref Wdg	T634341 FR	
Sound Pressure @ 1M	65	dBA
VFD Rating	NONE	
Outline Dwg	028822-750	
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