

PRODUCT INFORMATION PACKET



Model No: C215T17FK47A

Catalog No: 140639.00

..10HP..1800RPM.215TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID C
FACE.....BRAKEMOTOR.....

Brake



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REGAL

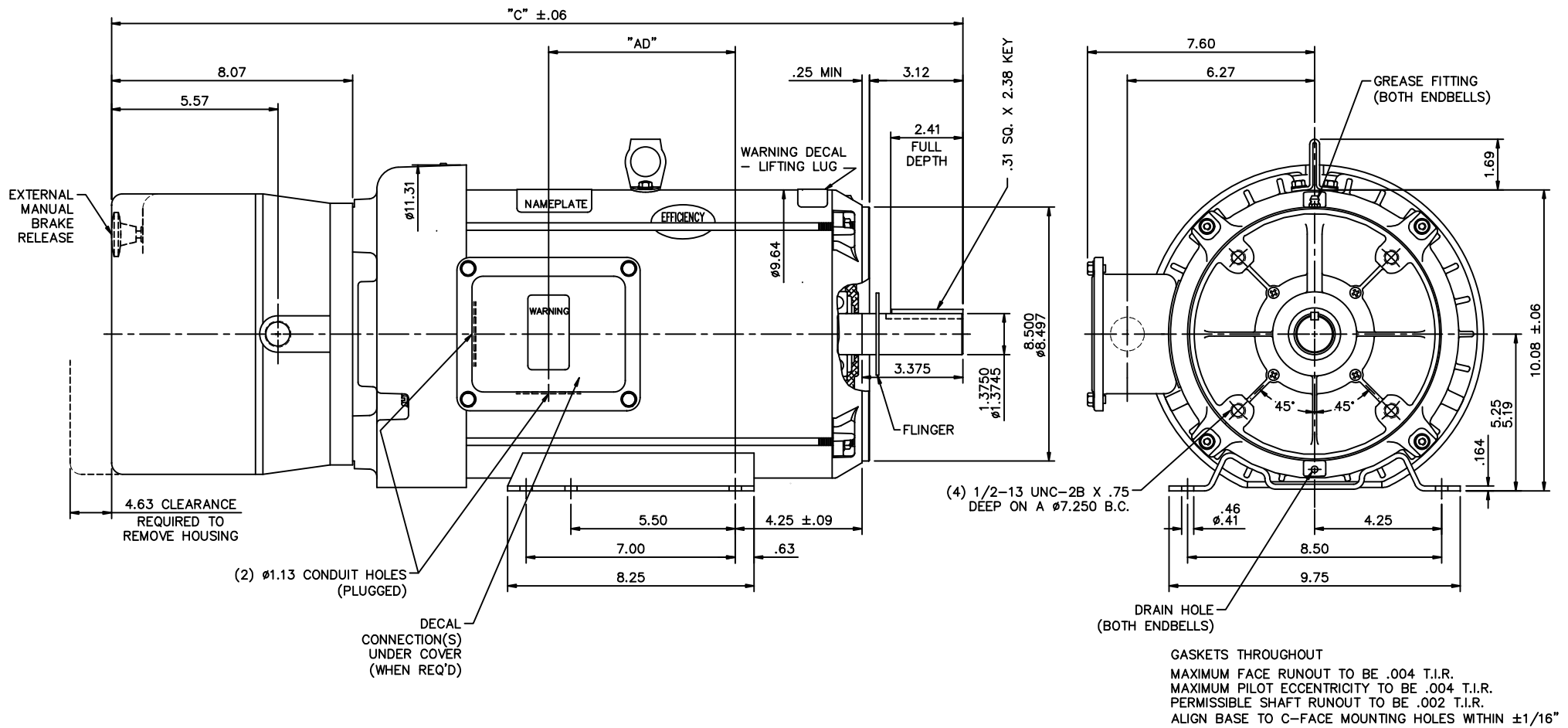


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	26.8/13.4 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	215TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	29.00 in	Frame Length	13.00 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	037633-1300	Connection Diagram	005010.15



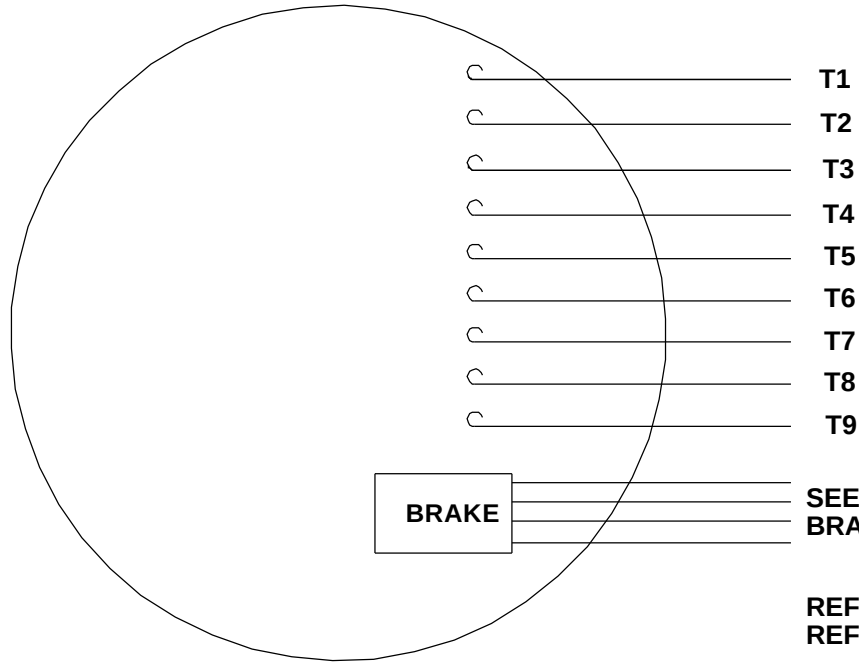
DASH NO.	"C"	"AD"
1100	27.00	4.75
1150	27.50	5.25
1200	28.00	5.75
1250	28.50	6.25
1300	29.00	6.75
1350	29.50	7.25
1400	30.00	7.75

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 6/22/05
			DEC.	INCHES			CHK
			.X	±.1			APPD SW 6/22/05
01	ADDED: WARNING DECAL - LIFTING LUG & WARNING DECAL - WITH/OUT PROTECTOR; REMOVED: DECAL - WIRING INSTRUCTION, NAMEPLATE - was- TV SCREEN STYLE(004142.01)	KVN 4/13/2010	.XX	±.03	TITLE	OUTLINE - 210TC FRAME TEFC - RIGID "C"	SCALE 5=16
			.XXX	±.005			REF
			.XXXX	±.0005	MAT'L	BRAKE MOTOR	FMF
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 OR AS RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP 6/22/05	CAD FILE 037633	SIZE B	DRAWING NO. 037633
				DIST NLV			REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

CAUTION:

**LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION**

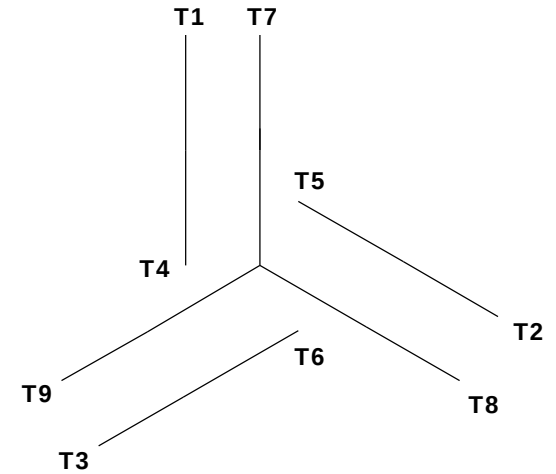


**SEE TABLE FOR
BRAKE CONNECTIONS**

REF. DECAL (MOTOR) - 004014

REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

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

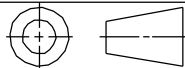
TYPE "T" W/O PROTECTOR

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)	-----

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				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JJK 09/17/96	
				DEC	INCHES				CHK	
				.X	±.1				APPR	
				.XX	±.01				SCALE 1:1	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM STANDARD 3 PHASE - DUAL VOLTAGE		REF 005010-01		
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96		.XXXX	±.0005	MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.		FMF		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH LEESON STOCK		PAGE OF		
THIRD ANGLE PROJECTION 			RFP		PREV		SIZE A	DRAWING NO 005010-15		REV
			NETWORK FILE NAME 00501015					--		

THIRD ANGLE
PROJECTION





1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.15

CATALOG #: 140639.00

OUTLINE: 037633-1300

MOUNTING: F1 ONLY

WINDING #: T9497 FR 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	1800	1765&1465	215TC	TEFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	26.8/13.4&26/13	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	91.7&91.7	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.6	GTD. EFF	0	ELEC. TYPE
FULL LOAD PF:	77&72	3/4 LOAD PF:	71.7	1/2 LOAD PF:	60.1	0	SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.75 LB-FT	158 / 79	55.2 LB-FT	186 %	90 LB-FT 303 %
				55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 DBA	10 DBA	1.16 LB-FT^2	1.2 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	NONE	ROLLED STEEL
6207	6206						

THERMO-PROTECTORS				THERMISTORS			
THERMOSTATS		PROTECTORS	WDG RTDS	BRG RTDS	CONTROL		SPACE HEATERS
NONE		NOT	NONE	NONE	NONE		NONE VOLTS

*

INVERTER TORQUE:	NONE
INV. HP SPEED RANGE:	NONE

ENCODER:	NONE
NONE	NONE
NONE	PPR

T

BRAKE:	REGAL SUPPLIED AND MOUNT	NONE
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E

STEARNs	P/N 004202.05
87,000	NEMA 2

S

50 FT-LB	230/460-190/380	V	60/50 HZ
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Data Sheet

Date: 1/17/2018

140639.00



Data @ 460 V

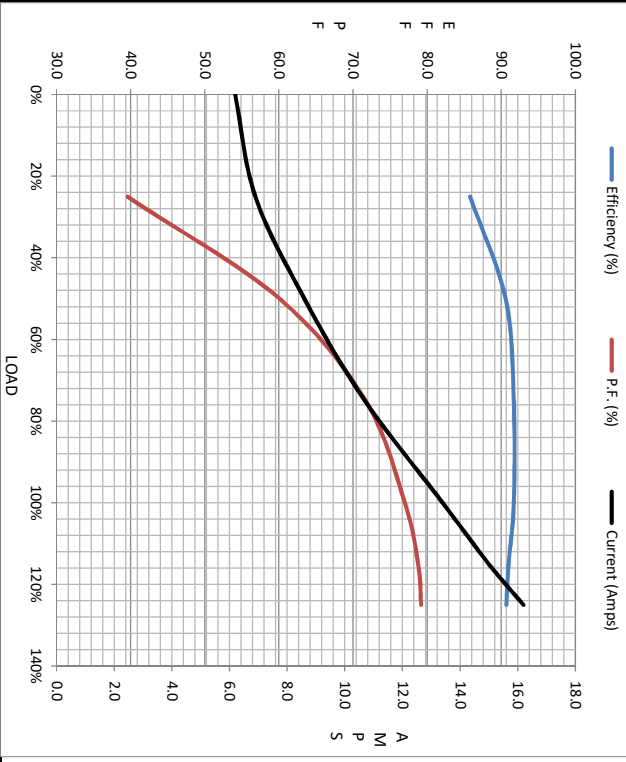
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.2	6.9	8.6	10.7	13.4	15.0	16.2	79.0
Torque (ft-lb)	0.00	7.4	17.4	22.2	29.8	34.2	37.4	55.2
RPM	1800	1793	1784	1774	1765	1758	1754	0
Efficiency (%)		85.8	90.6	91.7	91.7	91.0	90.7	
P.F. (%)	6.1	39.6	60.1	71.7	77.0	78.8	79.2	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1765	1800
Current (Amps)	79.0	75.0	48.5	13.4	6.2
Torque (ft-lb)	55.2	40.0	90.0	29.8	0.00

Information Block	
HP	10.0
Sync. RPM	1800
Frame	210
Enclosure	TEFC
Construction	TFW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	55 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	1.16 Lb-Ft²
Rel Wdg	T9497 FR
Sound Pressure @ 1M	62 dBA
VFD Rating	NONE
Outline Dwg	037633-1300
Conn. Diag	005010.15
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0.0000	



Information Block	
HP	10.0
Sync. RPM	1800
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Sound Pressure @ 1M	62 dBA
VFD Rating	NONE
Outline Dwg	037633-1300
Conn. Diag	005010.15
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

