

PRODUCT INFORMATION PACKET



Model No: C215T34FB52A

Catalog No: B199012.00

..10HP..3600RPM.215T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GENERAL PURPOSE.....

Totally Enclosed Fan Cooled (TEFC)



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



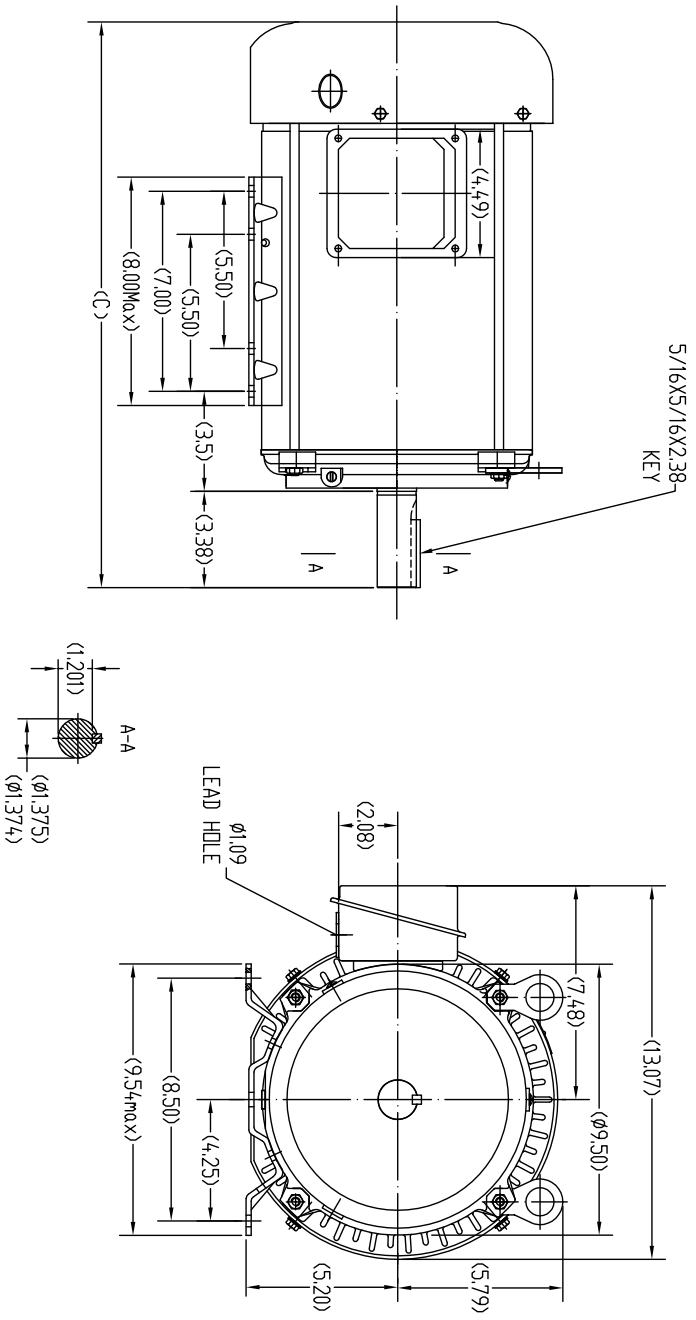


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	23.6/11.8 A	Speed	3518 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	H	Frame	215T
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	T
Overall Length	19.95 in	Shaft Diameter	1.38 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620737-215T	Connection Diagram	EE7308



2131	1835
2151	1995
FRAME	C

UNLESS OTHERWISE SPECIFIED		REGAL		REGAL BELT CORPORATION		DRAWN BY 25-2-2016	
DEC. INCHES						CHK ZHV 25-2-2016	
X	±.1	XX	±.03	TITLE		SCALE 1=4	
		XXX	±.05	2131/2151 TFC ROLLED STEEL		REF	
		XXXX	±.005	MTRL.		Mtl	
		XXXXX	±.005	FINISH		PREV	
				CND FILE		SIZE DRAWING NO.	
				SS620737		B	
						SS620737	
						REV.	

REVISION

BY & DATE

DATE

THIS IS AN ELECTRICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

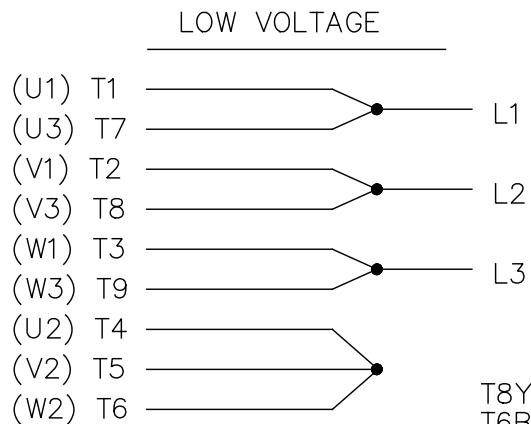
ALL DIMENSIONS IN DESIGN AND SERIAL REPORTS OF DESIGN AND INVENTION ARE RESERVED

IN CONNECTION WITH OR WORK UNDER OR RIGHTS OF DESIGN AND INVENTION ARE RESERVED

THIS IS AN ELECTRICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					





CERTIFICATION DATA SHEET

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

DATA VOLTS: 460

CONN. DIAGRAM: EET308
OUTLINE: SS620737
WINDING: HE31322010

CAT #:

BI99012.00

NONE 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	3600	3518	215T	TEFC	TFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	23.6/11.8821.6/10.8	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	90.2	3/4 LD EFF	90.6	1/2 LD EFF	89.9	GTD EFF	89.5	ELECT. TYPE
F.L. PF	89.0	3/4 LD PF	86.0	1/2 LD PF	78.5	89.5		SQ CAGE INVERTED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
14.9 LB-FT	79.0	28.0 LB-FT	188%	41.0 LB-FT
				275%
				55

PRESSURE @	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
72 DBA	81 DBA	0.60 LB-FT²	18 LB-FT²	15 SEC.	2	190 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
BALL BALL 6307	POLYREX EM	T	NONE	NONE	SHAFT	ALSI 1045 (C-240)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMOSTATS	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
0.792	0.534	2.119	1.468	69.296	0.150	ODE

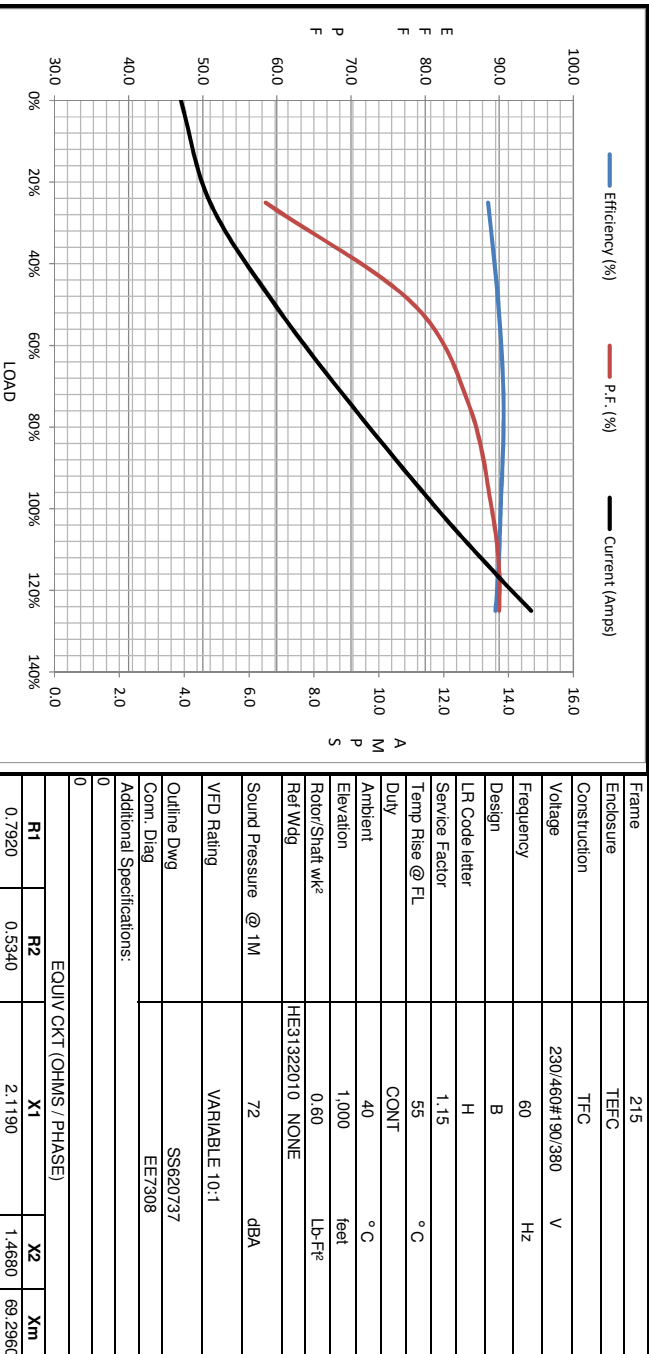
* NOTES *		INVERTER TORQUE: VARIABLE 10:1	INV. HP SPEED RANGE: NONE
		ENCODER: NONE	NONE
		BRAKE: NONE	NONE
		FT-LB: NA	NONE
		VOLTAGE: NONE	NONE
		UL: Y:(LEESON UL REC)	NONE PPR

DATE:	1/31/2018	HZ:
-------	-----------	-----



Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	3.9	4.8	6.8	9.2	11.8	13.5	14.7
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.3	18.9
RPM	3600	3580	3560	3540	3518	3502	3492
Efficiency (%)		88.5	89.9	90.6	90.2	89.9	89.5
P.F. (%)	10.5	58.5	78.5	86.0	89.0	90.0	90.0

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:	
Speed (RPM)	0	1800	3125	3518	3600	10.0	3600	215	TEFC	TFC	230/460#190/380	60	B	H	1.15	55	CONT	40	1,000	0.60	HE31322010 NONE	72	SS620737	EE7308			
Current (Amps)	79.0	67.0	44.0	11.8	3.9																						
Torque (ft-lb)	28.0	24.0	41.0	14.9	0.00																						



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.7920	0.5340	2.1190	1.4680	69.2960

