

# PRODUCT INFORMATION PACKET



Model No: C213T34FB46A  
Catalog No: B199009.00  
..7.5 HP..3600.213T.TEFC.230/460V..60Hz...1.15SF..C213T34FB46A.....  
Totally Enclosed Fan Cooled (TEFC)



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### Nameplate Specifications

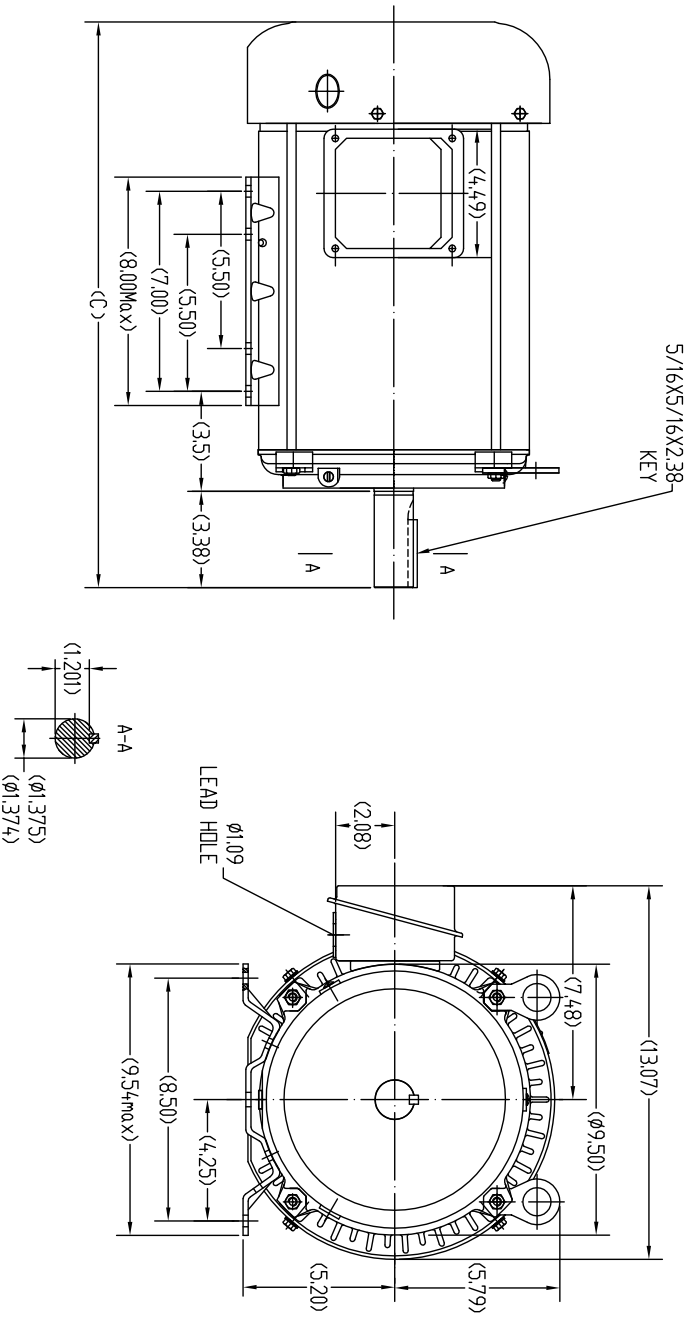
Output HP	<b>7.50 Hp</b>	Output KW	<b>5.6 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>18.4/9.2 A</b>	Speed	<b>3520 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>89.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>H</b>	Frame	<b>213T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6307</b>
Opp Drive End Bearing Size	<b>6206</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>18.35 in</b>	Frame Length	<b>9.65 in</b>
Shaft Diameter	<b>1.375 in</b>	Shaft Extension	<b>3.38 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>SS620737-213T</b>	Connection Diagram	<b>EE7308</b>

Uncontrolled Copy

SS620737



2131	1835
2151	1995
FRAME	C

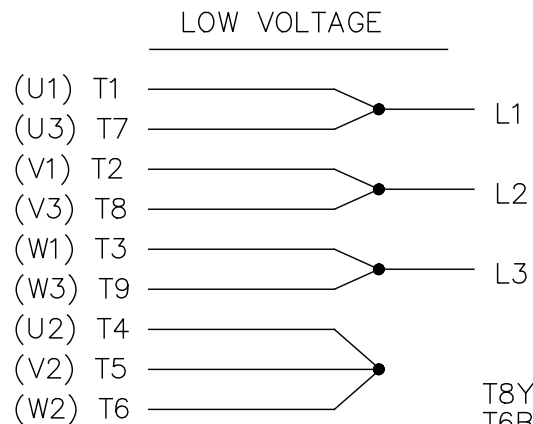
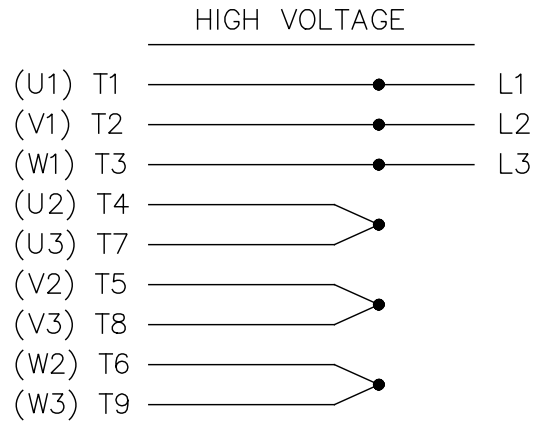
UNLESS OTHERWISE SPECIFIED		REGAL		REGAL BELT CORPORATION		DRAWN BY 25-2-2016	
DEC. INCHES						CHK ZHV 25-2-2016	
X	±.1	XX	±.03	TITLE	OUTLINE	SCALE	1:4
		XXX	±.005	2131/2151	TFC ROLLED STEEL	REF	
		XXXX	±.0005	MATL.		FRG	VALD
		XXXXX	±.0005	FINISH		PREV	
				CDW FILE	SS620737	SIZE	BRXVME NB
				DIST		B	SS620737
							REV

REVISION  
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 BY & DATE

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					



Regal Beloit America, Inc.

3Ø - DUAL VOLTAGE MOTOR



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EET7308  
OUTLINE: SS620737  
WINDING: HE31322011

CAT #: B199009.00

NONE 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN			
7.5	5.6	3600	3520	213T	TEFC	TFC	H	B			
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.		
3	60/50	230/460#190/380	18.4/9.2#15/7.5	LINE OR INVERTER	CONT	F	1.15	40	3300		
F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	89.5	82.5	1/2 LD EFF	1/2 LD PF	88.0	73.5	88.5	ELECT. TYPE
89.5	86.5	89.5	82.5	89.5	82.5	88.0	73.5	88.5	88.5	88.5	SO CAGE INVERTED
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)							
11.2 LB-FT	60.0	20.0 LB-FT	179%	32.0 LB-FT	286%	50					
PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT					
72 DBA	81 DBA	0.50 LB-FT²	12 LB-FT²	20 SEC.	2	146 LB.					

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP 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 6206	T	NONE	NONE	AISI 1045 (C-240)		ROLLED STEEL	

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
1.036	0.662	2.884	1.652	75.373	0.150	ODE

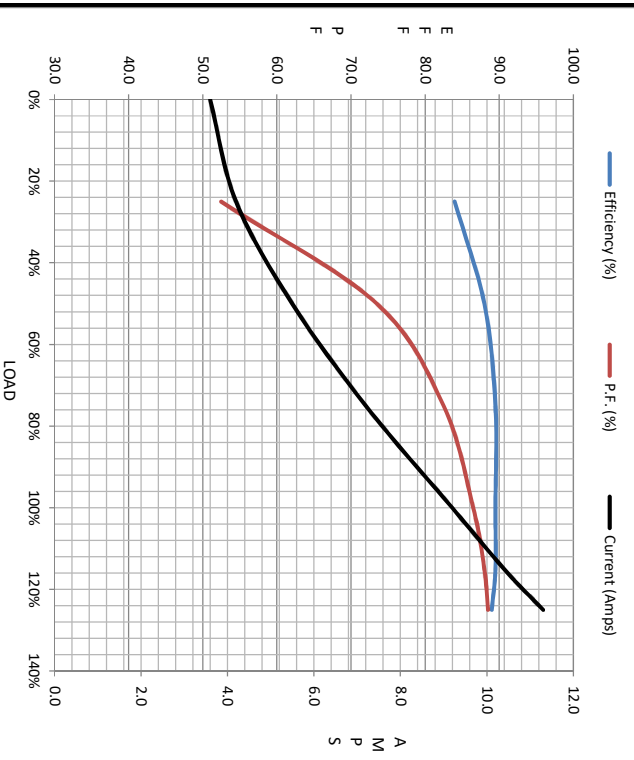
* N O T E S *		INVERTER TORQUE: VARIABLE 10:1	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		HZ: NONE	

DATE: 2/1/2018	UL: Y:(LEESON UL REC)
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Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.6	4.2	5.5	7.2	9.2	10.4	11.3	60.0	
Torque (ft-lb)	0.00	2.80	5.5	8.4	11.2	12.9	14.1	20.0	
RPM	3600	3580	3560	3542	3520	3508	3498	0	
Efficiency (%)		84.0	88.0	89.5	89.5	89.5	89.0		
P.F. (%)	11.0	52.5	73.5	82.5	86.5	88.0	88.5	44.0	

Motor Speed Data						Information Block																						
Speed (RPM)	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 <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:		
0		1800	3145	3520	3600	7.5	3600	213	TEFC	TFC	230/460#190/380	60	B	H	1.15	50	CONT	40 °C	1,000	0.50	HE31322011	NONE	72	dB(A)	VARIABLE 10:1	SS620737	EE7308	
Current (Amps)	60.0	51.0	34.0	9.2	3.6																							
Torque (ft-lb)	20.0	17.5	32.0	11.2	0.00																							



EQUIV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm
	1.0360	0.6620	2.8840	1.6520	75.3730

