

PRODUCT INFORMATION PACKET



Model No: C213T11FB7A

Catalog No: B199005.00

..3HP..1200RPM.213T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....

Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

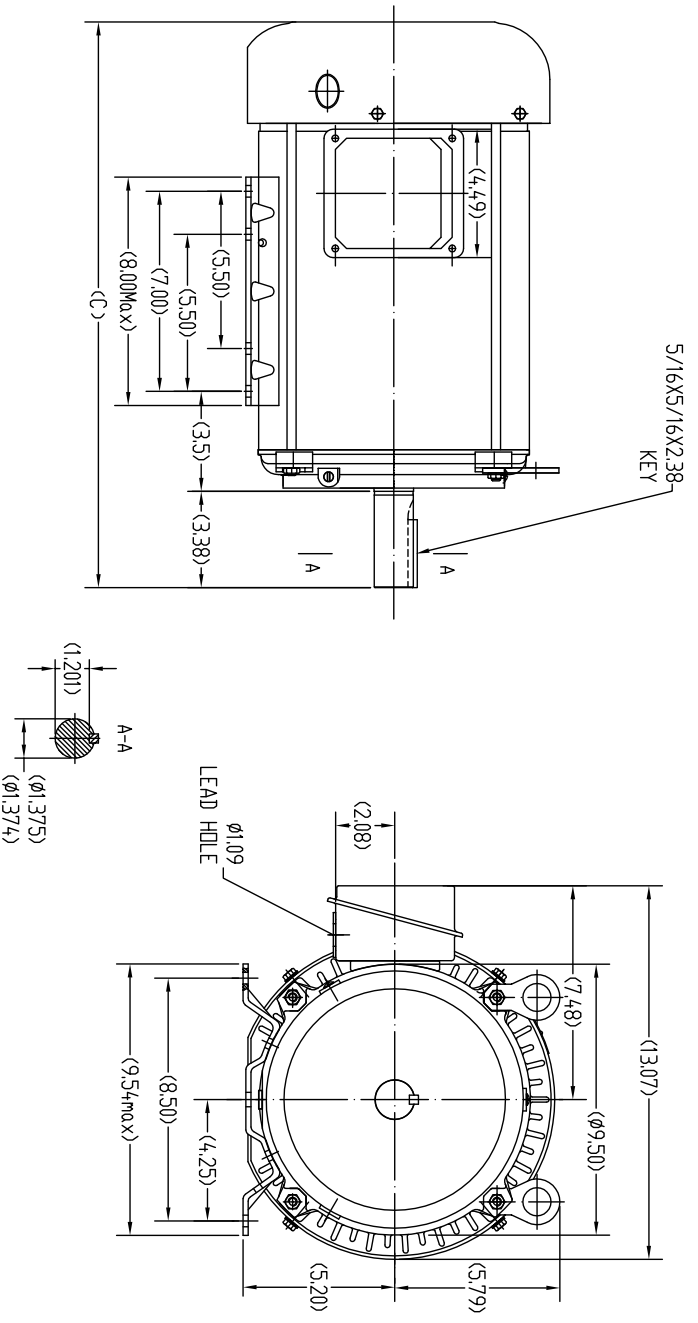
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.6/4.3 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	213T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6308
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	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	18.35 in	Frame Length	9.65 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620737-213T	Connection Diagram	EE7308

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	±.05	2131/2151	TFC ROLLED STEEL	REF	
		XXXX	±.005	MATL.		FIN	VOID
		XXXXX	±.005	FINISH		PREV	
				COND FILE	SS620737	SIZE	BRXNINE NB
						B	SS620737
							REV

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 DIST

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		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		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

MAT'L.

RFP

DIST WP

SIZE A

DRAWING NO. EE7308

PAGE OF 5

REV. 5



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EET7308
OUTLINE: SS620737
WINDING: HE31326018

CAT #: B199005.00

FR 0

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
3	2.2	1200	1185	213T	TEFC	TFC	J	A				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60/50	230/460#190/380	8.6/4.3&7.4/3.7	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	1/2 LD EFF	1/2 LD PF	87.5	GTD EFF	88.5	ELECT. TYPE		
89.5	73.0	3/4 LD EFF	3/4 LD PF	89.5	1/2 LD EFF	1/2 LD PF	87.5	GTD EFF	88.5	SO CAGE INVERTED		
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (% C)								
13.3 LB-FT	35.0	28.0 LB-FT	211%	37.0 LB-FT	278%	0						
PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT						
55 DBA	64 DBA	1.00 LB-FT²	90 LB-FT²	25 SEC.	2	200 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 6308	POLYREX EM	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		
2.041	0.945	6.379	8.618	101.115	0.150	ODE		

* N O T E S *		INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE		NONE PPR
BRAKE: NONE NONE NONE		NONE
FT-LB: NA VOLTAGE: NONE		NONE
DATE: 1/30/2018		UL: Y-(LEESON UL REC)



Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.50	2.60	3.0	3.6	4.3	4.8	5.1	35.0
Torque (ft-lb)	0.00	3.3	6.7	10.0	13.3	15.4	16.8	28.0
RPM	1200	1195	1192	1190	1185	1182	1180	0
Efficiency (%)		78.5	87.5	89.5	89.5	89.5	89.0	
P.F. (%)	6.5	33.0	53.0	65.5	73.0	75.5	76.5	43.0

Motor Speed Data					
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1185	1200
Current (Amps)	35.0	29.0	17.0	4.3	2.50
Torque (ft-lb)	28.0	24.0	37.0	13.3	0.00

Information Block

HP	3.0			
Sync. RPM	1200			
Frame	213			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.00 LB-Ft ²			
Ref Wdg	HE31326018 FR			
Sound Pressure @ 1M	55 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	SS620737			
Conn. Diag	EE7308			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
2.0410	0.9450	6.3790	8.6180	101.1150

