

PRODUCT INFORMATION PACKET



Model No: 213TTFWD16078
Catalog No: C384B
3,1200,TEFC,213TC,3/60/208-230/460
Totally Enclosed Fan Cooled (TEFC)



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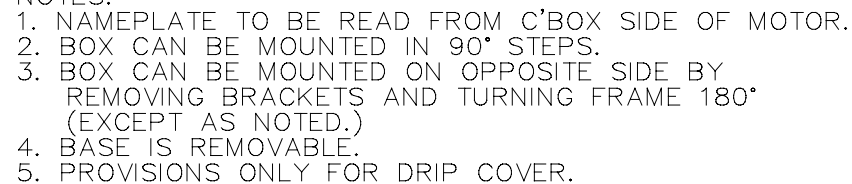


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	9.2-8.8/4.4 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	213TCV
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

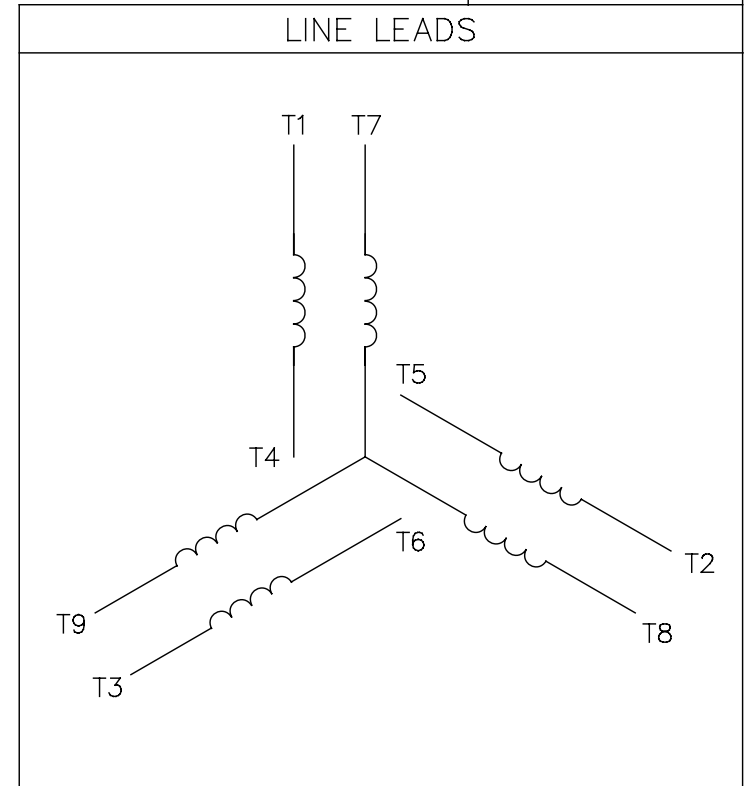
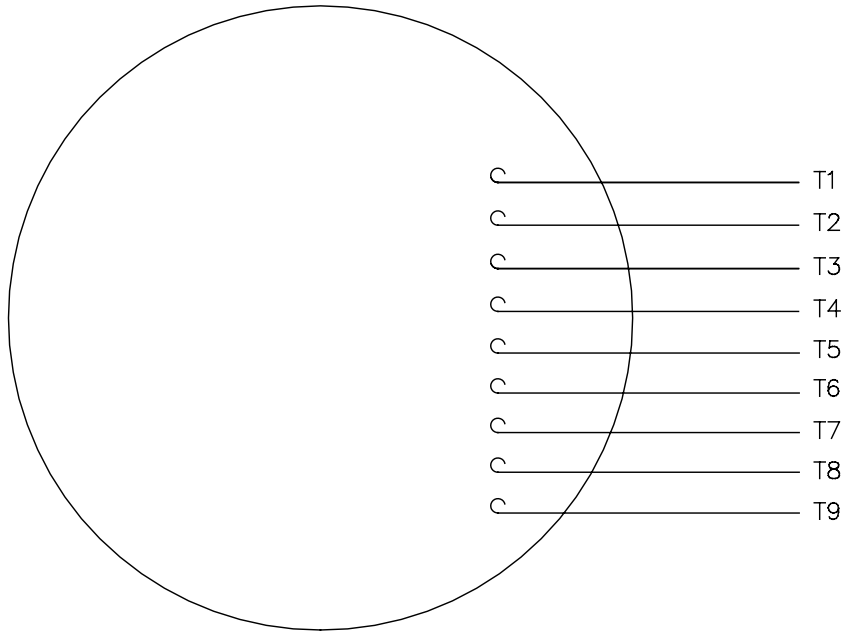
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL OR UP OR DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	19.47 in	Frame Length	9.65 in
Shaft Diameter	1.375 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS88652-965	Connection Diagram	005010.01



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN NJS 05-01-2002			
5	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		DEC.	INCHES				CHK	ML	05-02-2002	
4	UPDATED DRAWING	TJW 05/04/2007		.X	±.1				APPD	DR	05-02-2002	
3	RELOCATED DRAIN HOLE CN 35571	DRS 12-02-2002	ML	.XX	±.03	TITLE OUTLINE – TEFC 210T FR. – BB – TS – R/S – C’FACE			SCALE	1=5		
2	ADDED DRAIN HOLE CN 31828	MSG 09-23-2002		.XXX	±.005				REF			
1	NEW DRAWING MU41351	NJS 05-03-2002	DR	.XXXX	±.0005	MAT’L.			FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7’30”	FINISH			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 ss88652		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST LB					A	SS88652			

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02			
				DEC.	INCHES				CHK			
				.X	±.1				APPD			
				.XX	±.01				SCALE 1=1			
				.XXX	±.005				REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			MAT'L DECAL - 004014			
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 ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		04/12/02		CAD FILE		00501001	SIZE	DRAWING NO.	REV.
			DIST		BRF-NLV				A	005010-01	A	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:		CUSTOMER P.O. #:	
ORDER #:		REFERENCE MODEL #:	213TTEWD16078
CONN. DIAGRAM:	005010.01	CAT #:	C384A
OUTLINE:	SS88652-965	CUSTOMER PART #:	
WINDING:	K213699	MOUNTING:	F1/F2 CAPABLE
SPEED:			

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
3	2.2	1200	1175	213TCV	TEFC	TFW	K	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60/50	208-230/460#190/380	9.2-8.8/4.4&7.8/3.9	ACROSS THE LINE	CONT	F	1.15	40	3300			
F.L. EFF		89.5	3/4 LD EFF	88.7	1/2 LD EFF	86.7	GTD EFF	ELECT. TYPE				
F.L. PF		71.5	3/4 LD PF	64.1	1/2 LD PF	52.4	87.5	SQ CAGE IND RUN				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)				
13.4 LB-FT		32.0		31.0 LB-FT		47.0 LB-FT		351%				
@ 3 FT.		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR	MOTOR WGT	
55 dBA		64 dBA		0.80 LB-FT²		90 LB-FT²		25 SEC.		2		160 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT				
C-FACE	STANDARD	RIGID	ZONITAL OR UP OR D	NO	NONE	YES	NONE	BLUE (ENAMEL)				
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL				
DE BALL	ODE BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)		ROLLED STEEL				
6309	6206											
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					
1.721	1.503	6.713	7.138	98.208	0.150		ODE					
* N O T E S												
INVERTER TORQUE: NONE												
INV. HP SPEED RANGE: NONE												
ENCODER: NONE												
NONE												
NONE												
BRAKE: NONE												
NONE												
FT-LB: NA												
VOLTAGE: NONE												
UL: V/INS, CONST UL REC												
HZ:												

PREPARED BY: FAREEDA DUDEKULA
DATE: 8/21/2018

Data Sheet

2131TFWD16078

Date: 9/19/2018

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA



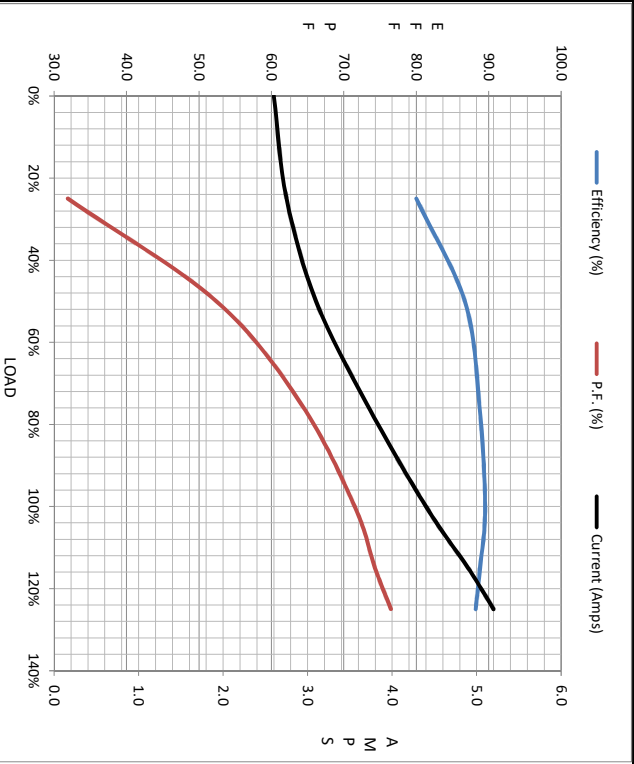
Submital
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.60	2.75	3.1	3.7	4.4	4.9	5.2	32.0
Torque (ft-lb)	0.00	3.3	6.7	10.0	13.4	15.5	16.9	31.0
RPM	1200	1194	1188	1180	1175	1,170	1166	0
Efficiency (%)		80.0	86.7	88.7	89.5	88.8	88.2	
P.F. (%)	7.2	31.9	52.4	64.1	71.5	74.3	76.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	600	1025	1175	1200		
Current (Amps)	32.0	28.0	20.0	4.4	2.60		
Torque (ft-lb)	31.0	30.0	47.0	13.4	0.00		
						HP	3.0
						Sync. RPM	1200



Efficiency (%)	P.F. (%)	Current (Amps)
90.0	7.2	2.60
80.0	31.9	2.75
70.0	52.4	3.1
60.0	64.1	3.7
50.0	71.5	4.4
40.0	74.3	4.9
30.0	76.5	5.2
20.0		5.5
10.0		5.8
0.0		6.0

