

PRODUCT INFORMATION PACKET



Model No: 213TTFW16011
Catalog No: U622A
7.5,3600,TEFC,213T,3/60/200
Totally Enclosed Fan Cooled (TEFC)



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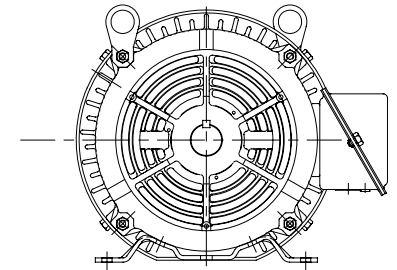
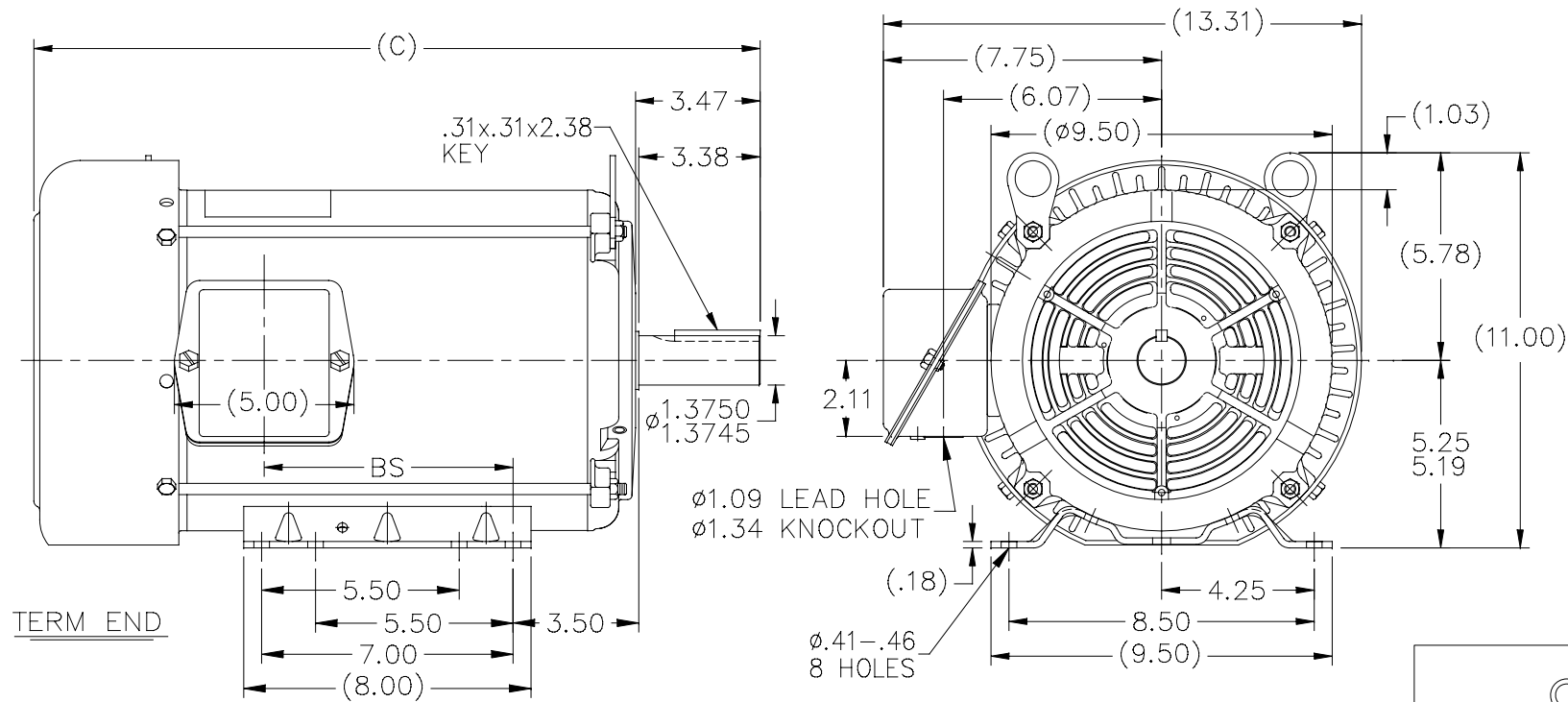
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	200 V
Current	20.5 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	H	Frame	213T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6307
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	2	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	18.73 in	Frame Length	11.15 in
Shaft Diameter	1.375 in	Shaft Extension	3.47 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-SS88975-1115	Connection Diagram	EE7300

SS88975



NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
965	213T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY OR F2 ONLY

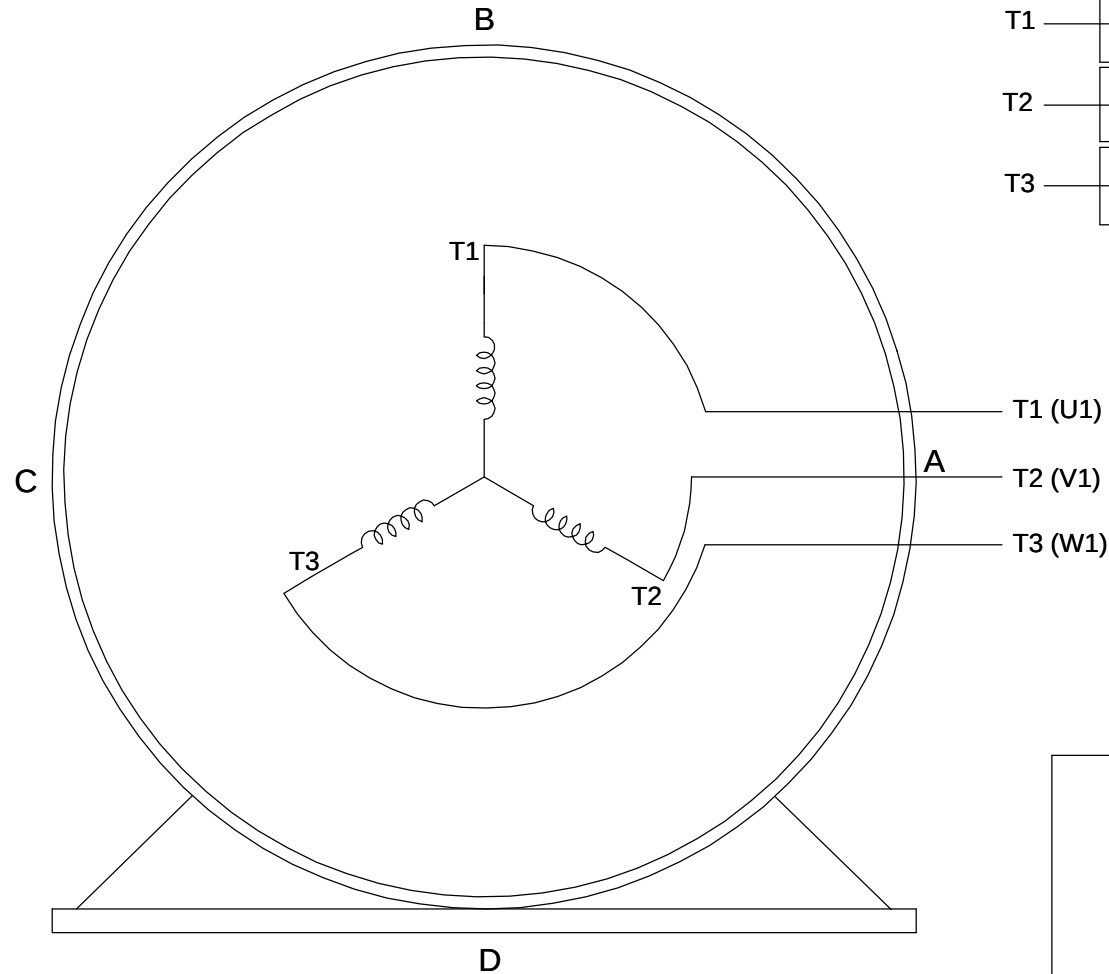
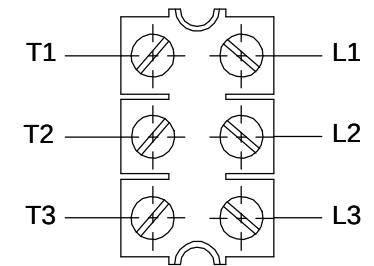
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN ERH 12-08-2003				
				DEC.	INCHES		CHK ML 12-08-2003				
				.X	±.1		APPD DR 12-09-2003				
3	NOTE UPDATED	SAJ 08/24/15	SR	.XX	±.03	TITLE OUTLINE 210T FR.-BB-TS-TEFC-R/S	SCALE 1=4				
2	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		.XXX	±.005		REF				
1	REMOVE HOLE AND BOLT SIDE VIEW CN24453	RWR 01/30/2004	ML	.XXXX	±.0005	MAT'L.	FMF MU 49283				
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		12-09-2003	CAD FILE ss88975		SIZE A	DRAWING NO. SS88975	PAGE OF	REV. 3
			DIST		LB						

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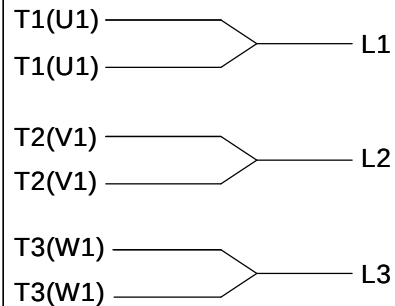
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA	
DATE 03-26-1993	
APPROVED BY TB	
DATE 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:		CUSTOMER P.O. #:	
ORDER #:	EE7300	REFERENCE MODEL #:	213TTFW16011
CONN. DIAGRAM:	A-SS88975-1115	CAT #:	U622A
OUTLINE:	K213269	CUSTOMER PART #:	
WINDING:	R3 15	MOUNTING:	F1/F2 CAPABLE
SPEED:			

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
7.5	5.6	3600	3540	213T	TEFC	TFW	H	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	200	20.5	ACROSS THE LINE	CONT	B	1.15	40	3300
F.L. EFF		90.2	3/4 LD EFF	89.5	1/2 LD EFF	86.5	GTD EFF	ELECT. TYPE	
F.L. PF		87.0	3/4 LD PF	83.0	1/2 LD PF	74.5	89.5	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
11.1 LB-FT		146		24.0 LB-FT		38.0 LB-FT		342%	
@ 3 FT.		POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
72 dBA		81 dBA	0.55 LB-FT²	12 LB-FT²	15 SEC.	2	140 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
DE	ODE							
BALL	BALL	POLYREX EM	T	NONE	NONE	ANSI 1045 (C-240)		ROLLED STEEL
6307	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	
0.13	0.089	0.434	0.452	15.291	0.080		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								
H.Z.								

PREPARED BY: FAREEDA DUDEKULA	
DATE: 9/10/2018	
FORM: 3531 REV 4 2/27/06	UL: V/INS, CONST UL REC

Data Sheet

Date: 9/10/2018

Customer:

Attention:

Submitted by:



213TTFW16011

Submittal

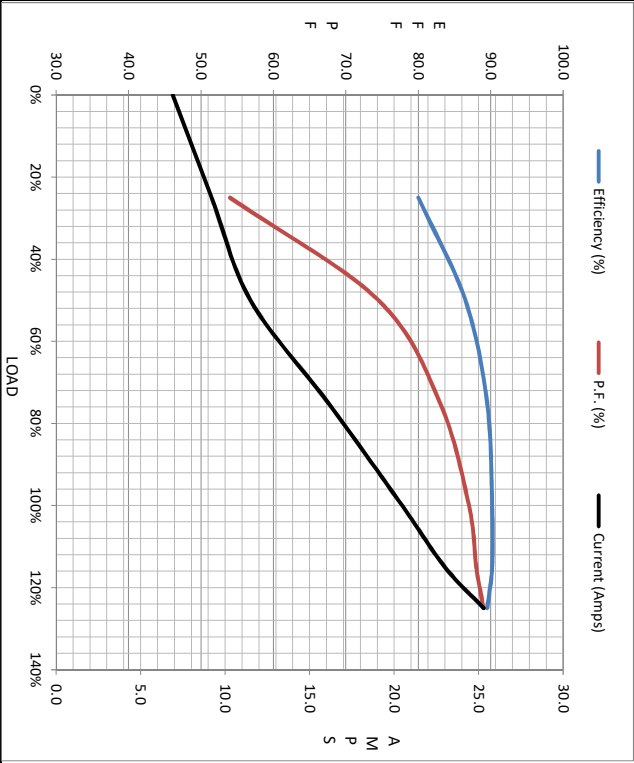
Data @ 200 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.9	9.2	11.5	16.1	20.5	23.0	25.3	146
Torque (ft-lb)	0.00	2.50	5.5	8.5	11.1	12.5	14.0	24.0
RPM	3600	3585	3575	3560	3540	3535	3530	0
Efficiency (%)		80.0	86.5	89.5	90.2	90.2	89.5	
P.F. (%)	9.0	54.0	74.5	83.0	87.0	88.0	89.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	3250	3540	3600		
Current (Amps)	146	131	92.0	20.5	6.9		
Torque (ft-lb)	24.0	22.0	38.0	11.1	0.00		
						HP	7.5
						Sync. RPM	3600



Frame	2133641TFC6081			
Enclosure	TEFC			
Construction	TFW			
Voltage	200		V	
Frequency	60		Hz	
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	40		° C	
Duty	CONT			
Ambient	40		° C	
Elevation	1,000		feet	
Motor/Shaft wr ²	0.55		Lb-Ft ²	
Ref Wdg	K213269 R3			
Sound Pressure @ 1M	72		dBA	
VFD Rating	NONE			
Outline Dwg	A-SS88975-1115			
Conn. Diag	EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1300	0.0890	0.4340	0.4520	15.2910

Speed - Torque Curve

