

PRODUCT INFORMATION PACKET

Model No: 213TTGN4304

Catalog No: 213TTGN4304

7 1/2,3600,EPFC,213TC,3/60/230/460

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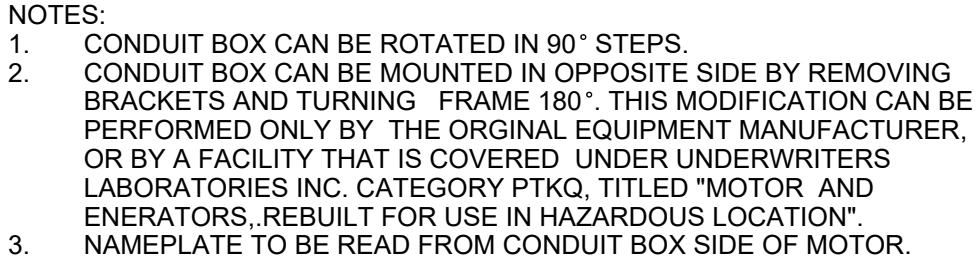
Nameplate Specifications


Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	19.0/9.5 A	Speed	3530 rpm
Service Factor	1	Phase	3
Efficiency	88.5 %	Power Factor	86
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Frame	213TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	No	CSA	N
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR D CL II GR F&G T3B	Number of Speeds	1

Technical Specifications

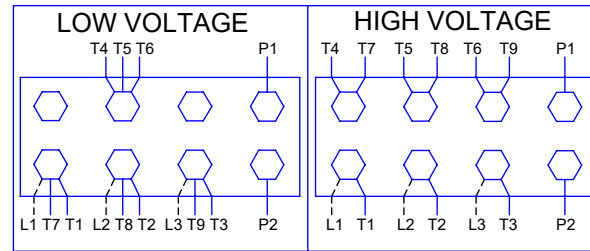
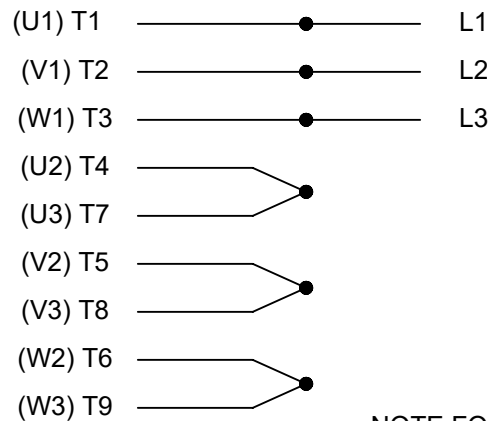
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.15 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037703-1212	Connection Drawing	A-EE7308T

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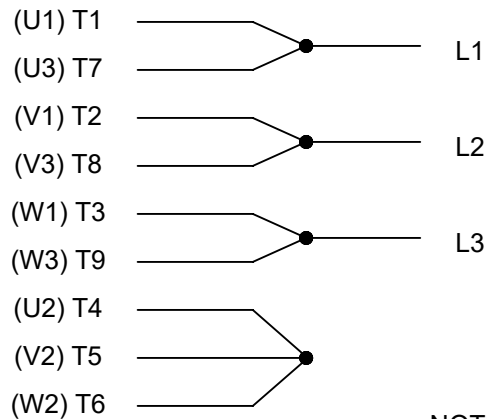
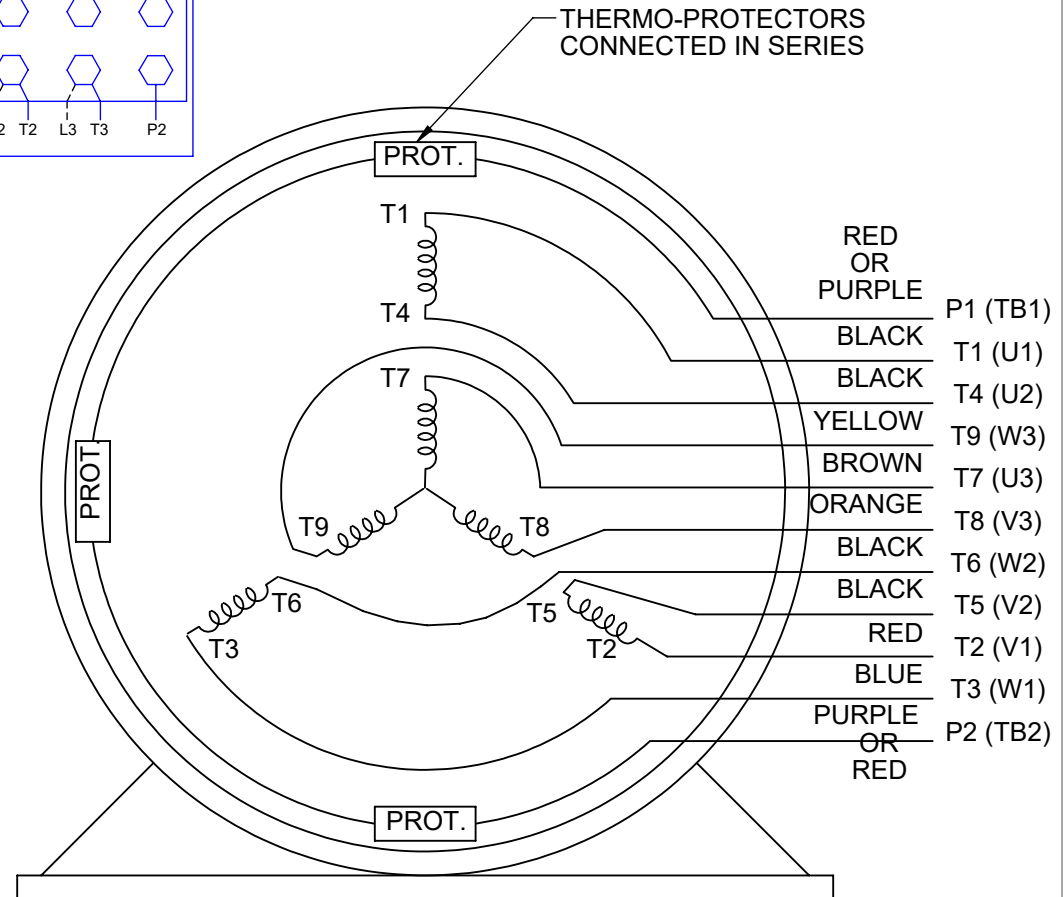
		Regal Beloit America, Inc.	
DESCRIPTION			
OUTLINE 213T/215T FRAME- EPFC - C-FACE			
MATERIAL STANDARD WITH BASE		PROCESS/FINISH	
SIZE B	DRAWING NUMBER 037703		SHEET 1 OF 1

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE

THREE PHASE
DUAL VOLTAGE MOTOR

VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019

ECO DESCRIPTION
ADDED TERMINAL CONNECTION DIAGRAM

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DRAWN BY
SMC

DATE
05-13-1992

APPROVED BY
TB

DATE
05-13-1992

REFERENCE
EE7308/EE7300

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-INTERNAL
 3 PHASE - DUAL VOLTAGE MOTOR

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

EE7308T

SHEET
1 OF 1



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: A-EE7308T
OUTLINE: 037703-1212
WINDING: K2132100 NONE 1
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 213TTGN4304
CAT #: _____
CUSTOMER PART #: _____
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	3600	3530	213TC	EPFC	TFN	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	19/9.5&15/7.5	ACROSS THE LINE	CONT	B	1.00	40	3300

F.L. EFF	88.5	3/4 LD EFF	89.5	1/2 LD EFF	88.5	GTD EFF		ELECT. TYPE	
F.L. PF	86.0	3/4 LD PF	82.0	1/2 LD PF	73.0	86.5		SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
11.2 LB-FT	59.5	21.5 LB-FT 192%	35.0 LB-FT	313%	38

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
72 dBA	81 dBA	0.45 LB-FT²	12 LB-FT²	15 SEC.	2	243 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	DIV 1 EXP PROOF CL I GR D CL II GR FG T3B	NO	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE BALL BALL 6309 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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
0.801	0.552	2.703	2.132	79.38	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
		ENCODER: NONE
		NONE PPR

PREPARED BY: _____ DATE: 10/31/2022	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: NONE

Data Sheet

Date: 10/31/2022

Customer:

Attention:

Submitted by:



213TTGN4304

Submittal

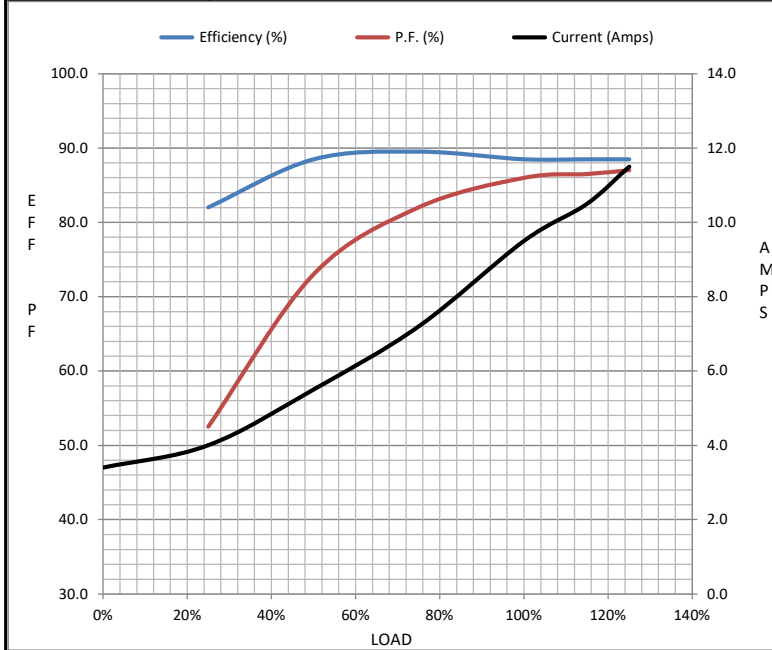
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.4	4.0	5.5	7.2	9.5	10.5	11.5	59.5	
Torque (ft-lb)	0.00	2.80	5.5	8.4	11.2	12.8	14.0	21.5	
RPM	3600	3585	3565	3550	3530	3520	3510	0	
Efficiency (%)		82.0	88.5	89.5	88.5	88.5	88.5		
P.F. (%)	10.0	52.5	73.0	82.0	86.0	86.5	87.0	39.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	3175	3530	3600
Current (Amps)	59.5	52.0	37.0	9.5	3.4
Torque (ft-lb)	21.5	20.0	35.0	11.2	0.00



Information Block				
HP		7.5		
Sync. RPM		3600		
Frame		213		
Enclosure		EPFC		
Construction		TFN		
Voltage		230/460#190/380 V		
Frequency		60 Hz		
Design		B		
LR Code letter		H		
Service Factor		1.0		
Temp Rise @ FL		38 ° C		
Duty		CONT		
Ambient		40 ° C		
Elevation		3,300 feet		
Rotor/Shaft wk²		0.45 Lb-Ft²		
Ref Wdg		K2132100 NONE		
Sound Pressure @ 1M		72 dBA		
VFD Rating		NONE		
Outline Dwg		037703-1212		
Conn. Diag		A-EE7308T		
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.8010	0.5520	2.7030	2.1320	79.3800

Speed -Torque Curve

