

PRODUCT INFORMATION PACKET

Model No: 213TTFW16011

Catalog No: U622A

General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 200 V, 3600 RPM, 213T Frame, TEFC



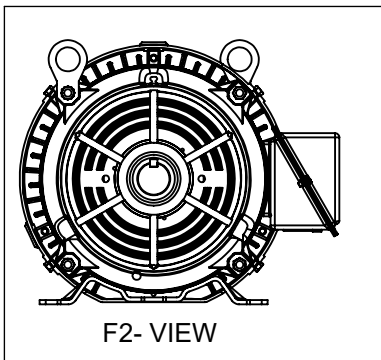
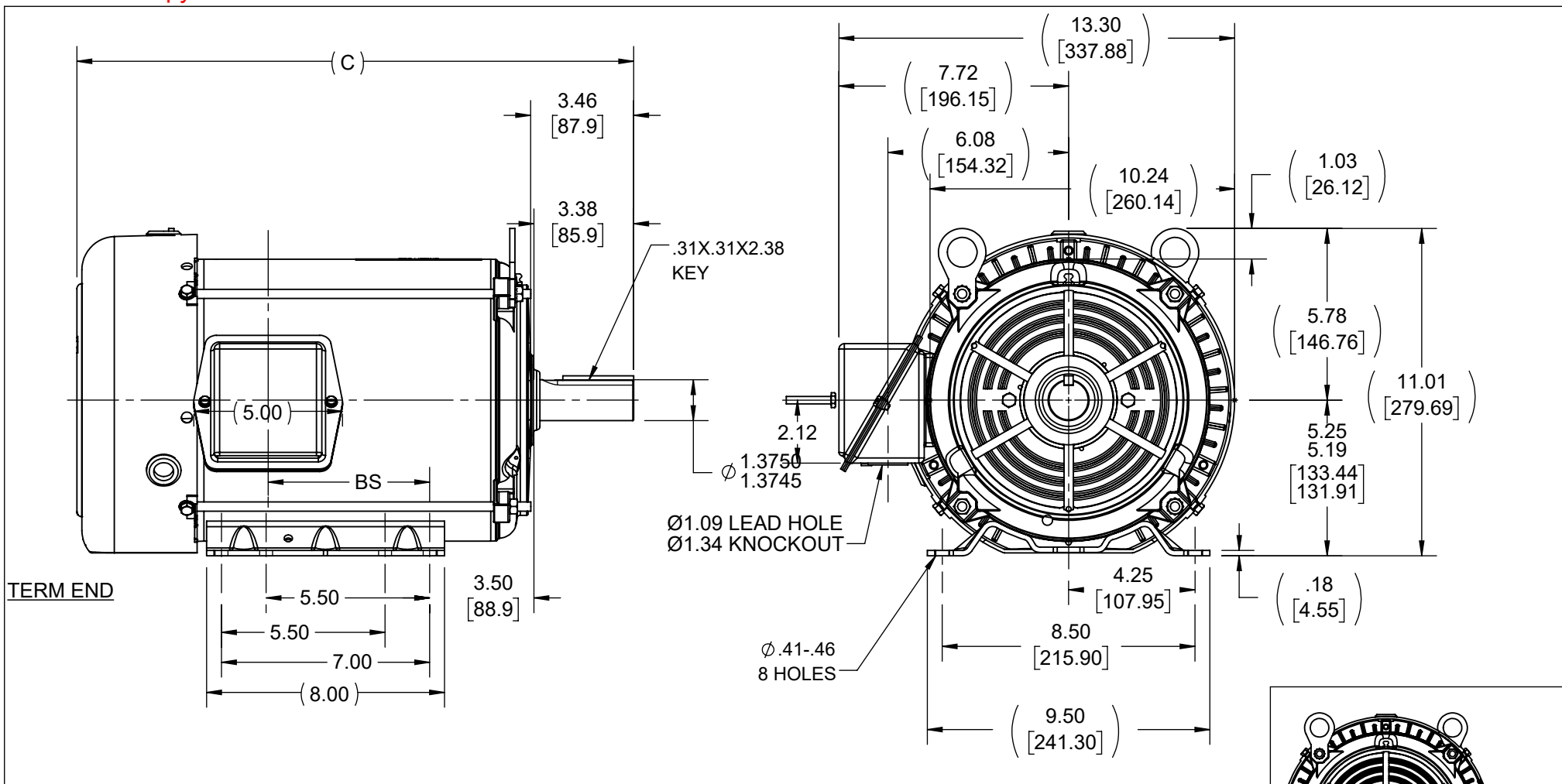
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Nameplate Specifications

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 %	Power Factor	87
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.163 Ohms	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
Connection Drawing	EE7300	Outline Drawing	A-SS88975-1115



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

- 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.)

DRAWING REVISION K	REVISION BY KR	REV DATE/© DATE 05/30/2022
REQUEST NUMBER NMR-0214388	APPROVED BY MN	DATE 05/30/2022
REQUEST NUMBER DESCRIPTION UPDATED TO SOLIDWORK		
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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
 CORNER FILLETS: R.02 [.5]
 MACHINED SURFACES: 200/ 5.1 INCH √ mm √
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY ERH
DATE 12-08-2003
APPROVED BY DR
DATE 12-09-2003
REFERENCE ABCDEF
THIRD ANGLE PROJECTION

Regal Rexnord Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
210 FR. - BB-TS-TEFC-R/S

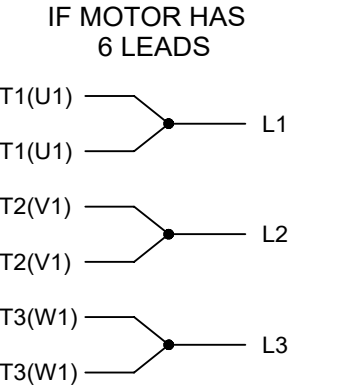
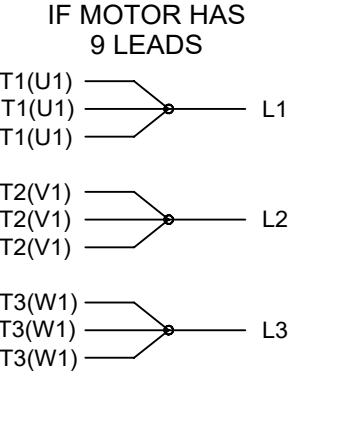
MATERIAL PROCESS/FINISH

SIZE A DRAWING NUMBER **SS88975** SHEET 1 OF 1

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

TERMINAL BLOCK WHEN SPECIFIED

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

A-9806 DECAL

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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



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 #: 213TTFW16011
 CONN. DIAGRAM: EE7300 CAT #: U622A
 OUTLINE: A-SS88975-1115 CUSTOMER PART #: _____
 WINDING: K213269 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	89.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	87.0	3/4 LD PF	83.0	1/2 LD PF	74.5				

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 216%	38.0 LB-FT 342%	40

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
72 dBA	81 dBA	0.55 LB-FT ²	12 LB-FT ²	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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
BALL	BALL						
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

NOTES	_____	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE PPR

PREPARED BY: FAREEDA DUDEKULA DATE: 9/10/2018	BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

213TTFW16011

Date: 11/29/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 200 V

Motor Load Data

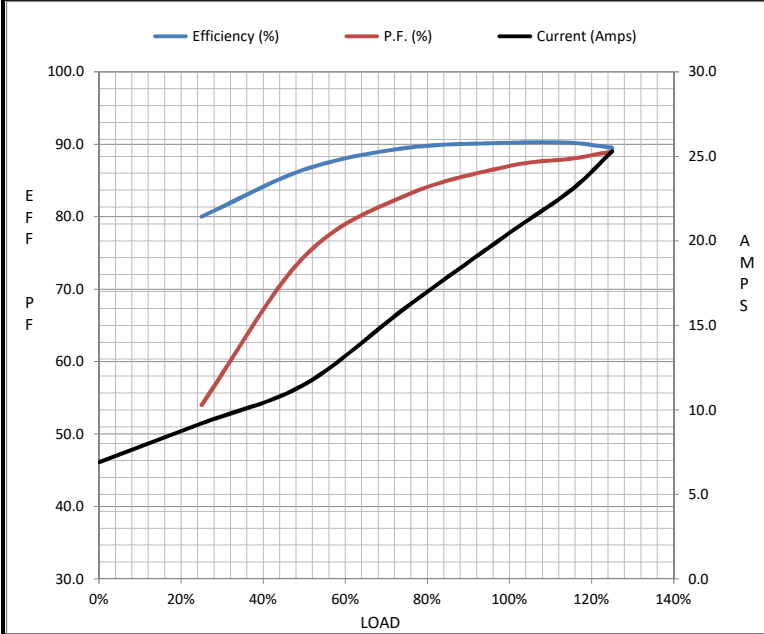
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.9	9.2	11.5	16.1	20.5	23.0	25.3	146
Torque (ft-lb)	0.00	2.50	5.5	8.5	11.1	12.5	14.0	24.0
RPM	3600	3585	3575	3560	3540	3535	3530	0
Efficiency (%)		80.0	86.5	89.5	90.2	90.2	89.5	
P.F. (%)	9.0	54.0	74.5	83.0	87.0	88.0	89.0	40.0

Motor Speed Data

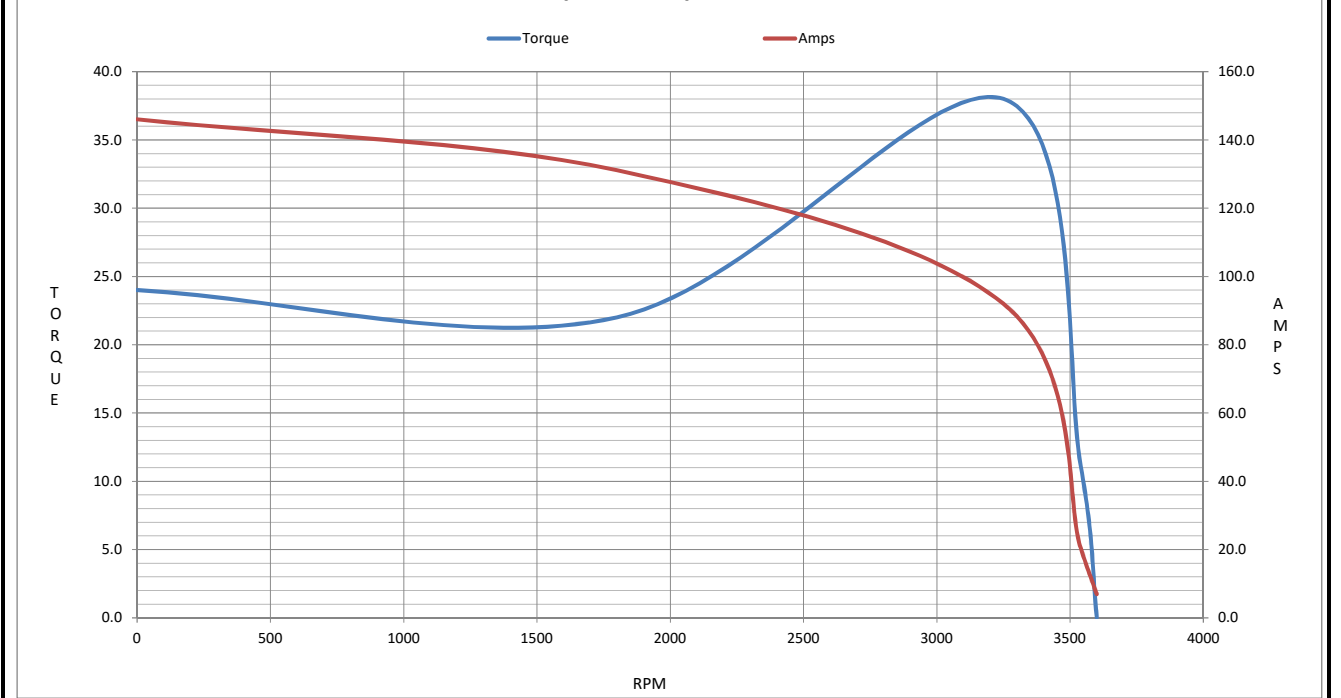
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3250	3540	3600
Current (Amps)	146	131	92.0	20.5	6.9
Torque (ft-lb)	24.0	22.0	38.0	11.1	0.00

Information Block

HP	7.5			
Sync. RPM	3600			
Frame	213			
Enclosure	TEFC			
Construction	TFR			
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			
Rotor/Shaft wk 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



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 213TTFW16011

(Model No. may contain prefix and/or suffix characters)

Catalog No : U622A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22