

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 213TTFB6008

Catalog No: GT3215

Globetrotter® Close-Coupled Pump Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 213JM Frame, TEFC



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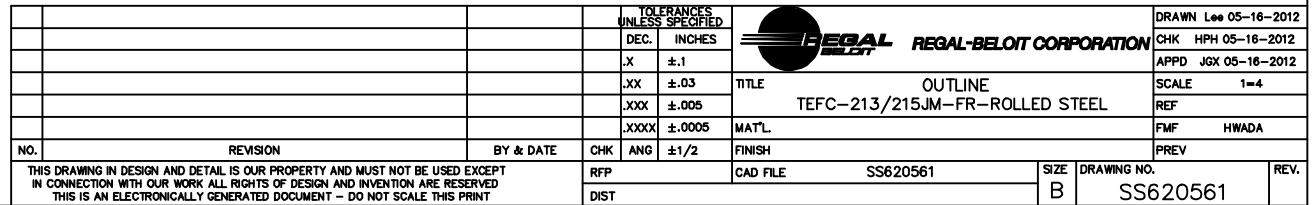
**RegalRexnord**

## Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.2 A	Speed	3552 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	K
Frame	213JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6306
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.805 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	20.65 in
Shaft Diameter	0.875 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Outline Drawing	SS620561-213TC	Connection Drawing	EE7300



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

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

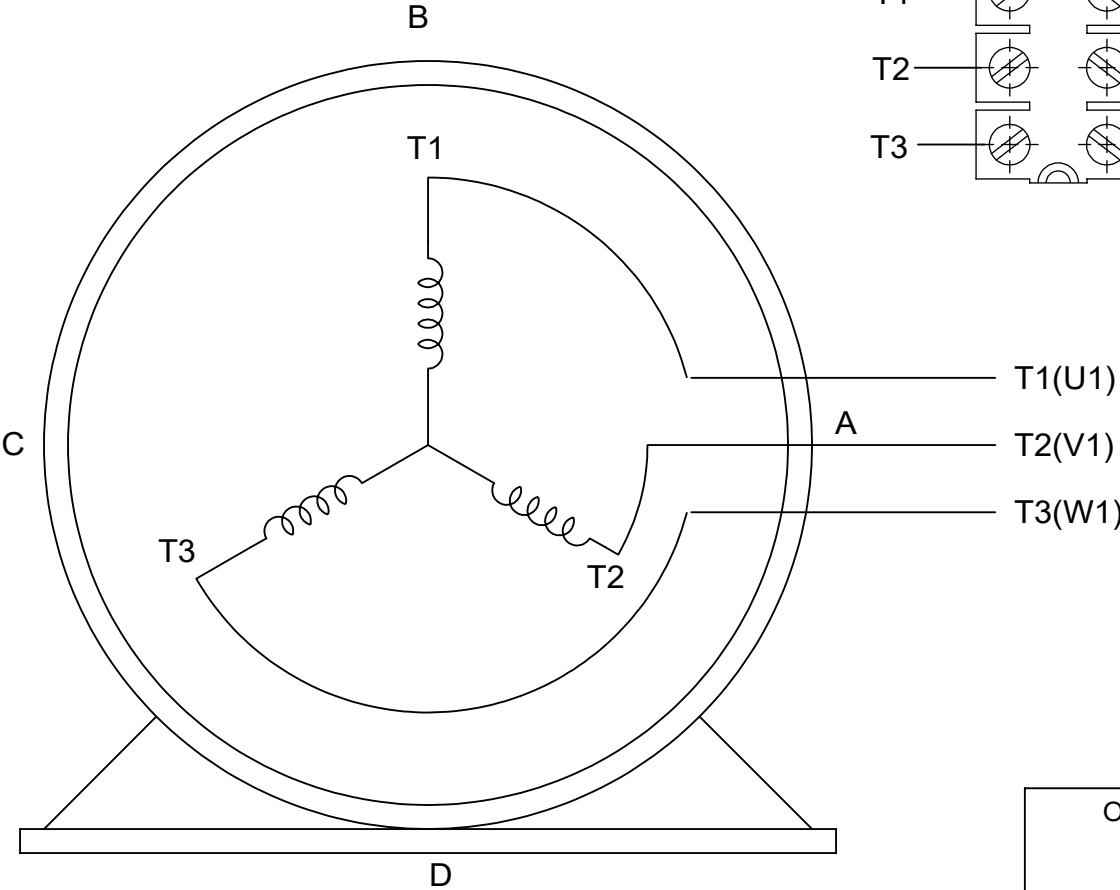
L2

T3(W1)

T3(W1)



L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC		REVISION BY BS		REV DATE/© DATE 26/07/2022		DRAWN BY DA		<div>Regal Beloit America, Inc.</div>	
REQUEST NUMBER CR-0010402		APPROVED BY SN		DATE 26/07/2022		DATE 03-26-1993			
REQUEST NUMBER DESCRIPTION DRAWING UPDATED						PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			
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						APPROVED BY TB		DESCRIPTION	
						DATE 03-26-1993		CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
						REFERENCE		MATERIAL	
						THIRD ANGLE PROJECTION		PROCESS/FINISH	
								SIZE A	
								DRAWING NUMBER EE7300	
								SHEET 1 OF 1	

## CERTIFICATION DATA SHEET

**Model#:** 213TTFB6008 AA  
**CONN. DIAGRAM:** EE7300  
**OUTLINE:** SS620561

**WINDING#:** CHT21320001 NONE 3  
**ASSEMBLY:** F1/F2 CAPABLE

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3552	213JM	TEFC	K	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	7.2	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 80	1/2 LOAD PF: 70	88.5	SQ CAGE INV RATED	2.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.1 LB-FT	70.4	30 LB-FT 270	50 LB-FT 450	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.4 LB-FT^2	12 LB-FT^2	20 SEC.	2	160 LBS.

## \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6307	6306	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: VARIABLE 10:1  
 INV. HP SPEED RANGE: NONE

ENCODER: NONE  
 NONE NONE  
 NONE NONE PPR

BRAKE: NONE NONE  
 NONE P/N NONE  
 NONE NONE  
 NONE FT-LB NONE V NONE Hz

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DATE: 06/22/2017 05:09:42 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

## Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

213TTFB6008



Submittal

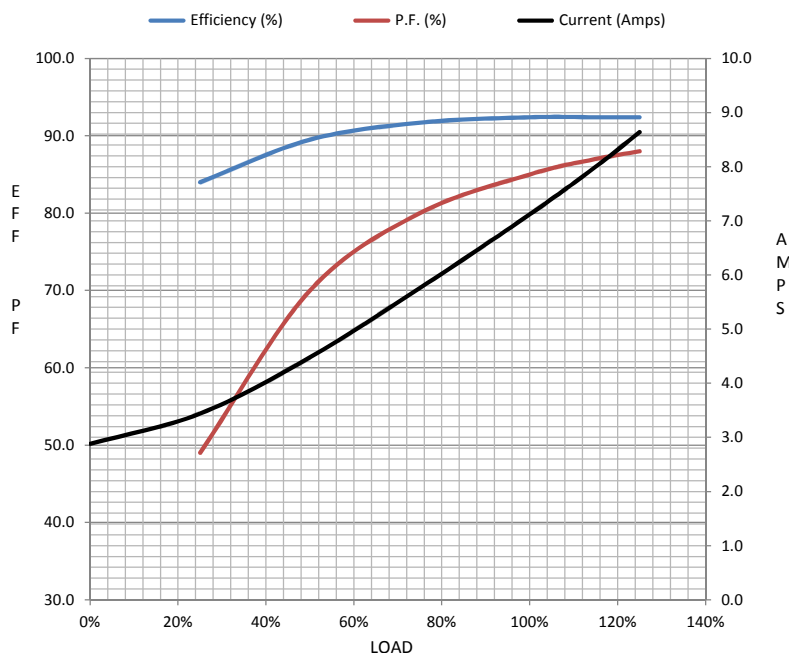
Data @ 575 V

## Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.88	3.4	4.5	5.8	7.1	8.0	8.6	70.4	
Torque (ft-lb)	0.00	2.75	5.5	8.3	11.1	12.8	14.0	30.0	
RPM	3600	3588	3578	3565	3552	3,545	3540	0	
Efficiency (%)		84.0	89.5	91.7	92.4	92.4	92.4		
P.F. (%)	8.0	49.0	70.0	80.0	85.0	87.0	88.0	37.0	

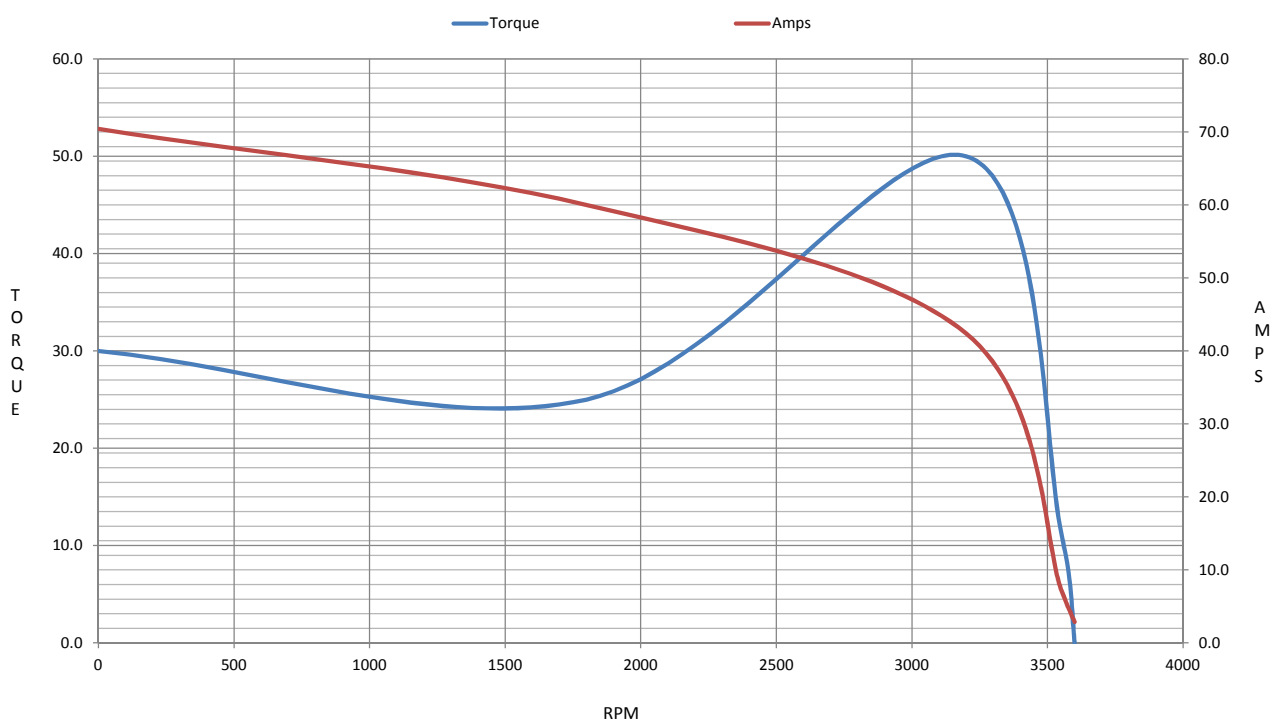
## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block			
Speed (RPM)	0	1800	3200	3552	3600	HP	7.5		
Current (Amps)	70.4	60.0	42.4	7.1	2.88	Sync. RPM	3600		
Torque (ft-lb)	30.0	25.0	50.0	11.1	0.00	Frame	213		



HP	7.5			
Sync. RPM	3600			
Frame	213			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	30 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.40 Lb-Ft <sup>2</sup>			
Ref Wdg	CHT21320001 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620561			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.7680	0.6500	2.7760	2.5400	117.2390

## 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 : 213TTFB6008

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

Catalog No : GT3215

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**