

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 324TTFCD6092

Catalog No: GT3229A

Globetrotter® Close-Coupled Pump Motor, 25 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 324JM Frame, TEFC



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**RegalRexnord**

## Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	25.6 A	Speed	1184 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	78.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	324JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
UL	Listed	CSA	Y
CE	Y	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.327 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Overall Length	32.55 in
Frame Length	13.07 in	Shaft Diameter	1.296 in
Shaft Extension	8.1 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS620799-100	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
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**

**CERTIFICATION DATA SHEET****CUSTOMER:****CUSTOMER****ORDER #:****PO#:****CONN. DIAGRAM:** EE7300**MODEL #:** 324TTFCD6092 AA**OUTLINE:** SS620799**CUSTOMER PART****WINDING #:** HE32006005 3**#:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25	18.7	1200	1184	324JMV	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	25.6	LINE OR INVERTER	CONTINUOUS	F2	1.15	40

<b>FULL LOAD EFF:</b>	93	<b>3/4 LOAD EFF:</b>	93	<b>1/2 LOAD EFF:</b>	92.4	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	78.5	<b>3/4 LOAD PF:</b>	73.5	<b>1/2 LOAD PF:</b>	62	92.4		SQ CAGE INV RATED

<b>F.L. TORQUE</b>		<b>LOCKED ROTOR AMPS</b>		<b>L.R. TORQUE</b>		<b>B.D. TORQUE</b>		<b>F.L. RISE°C</b>
111 LB-FT		145.6		200 LB-FT 180 %		272 LB-FT 245 %		60

<b>SOUND PRESSURE @ 3 FT.</b>		<b>SOUND POWER</b>		<b>ROTOR WK^2</b>		<b>MAX. WK^2</b>		<b>SAFE STALL TIME</b>		<b>STARTS / HOUR</b>		<b>APPROX. MOTOR WGT</b>
56 dBA		66 dBA		11.8 LB-FT^2		- LB-FT^2		20 SEC.		2		675 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 OR SHAFT DOWN	FALSE	DIVISION 2	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6212						

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

\*

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**INVERTER****TORQUE:** CONSTANT 10:1/VARIABLE 20:1**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

\*

**PREPARED BY:** Anusha Muthyala

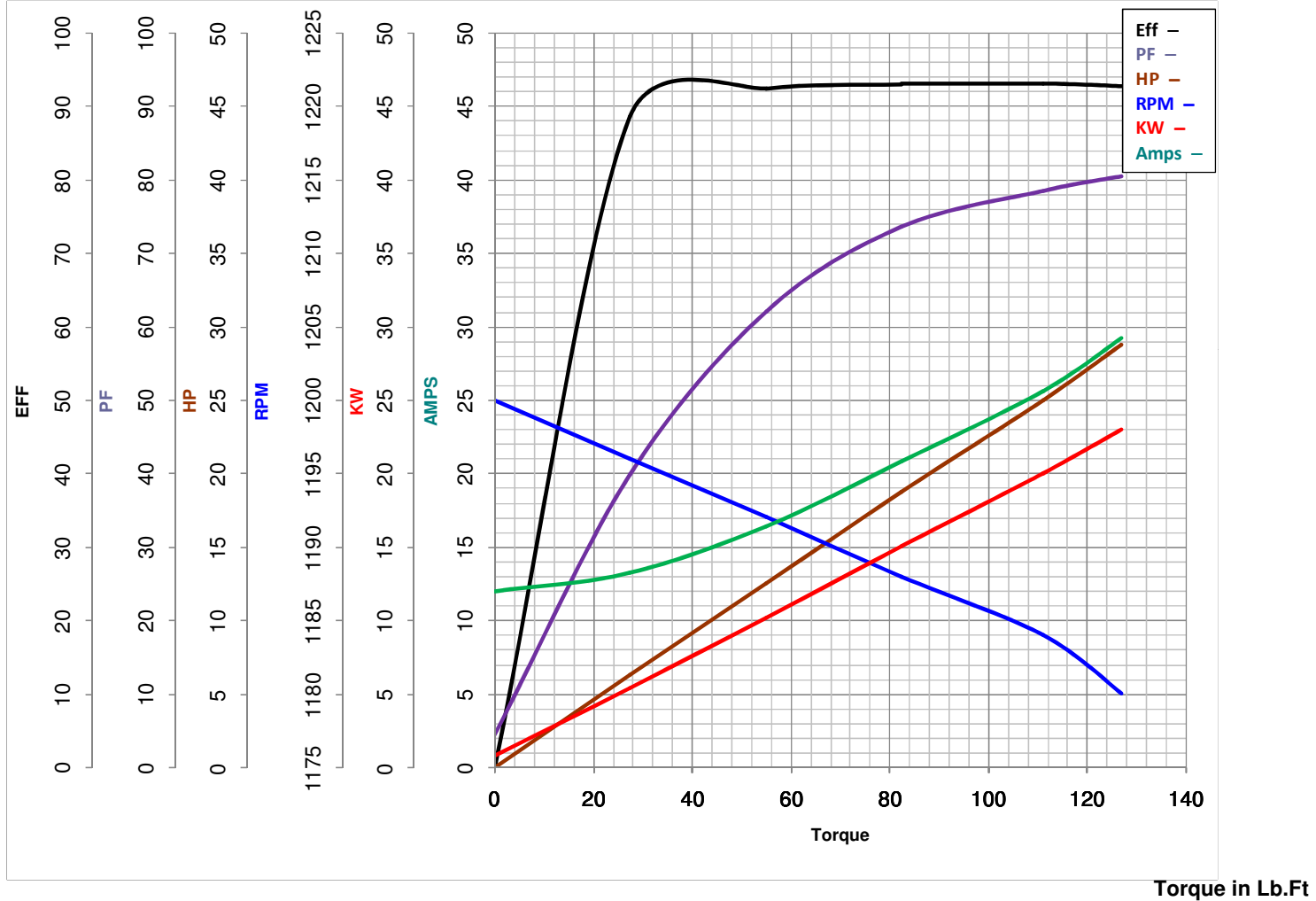
**DATE:** 05/29/2018 07:20:37 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

**Customer****Curve at**575**Volts****HP** 25.00**PHASE** 3**Model No** 324TTFCD609260**HZ****VOLTS** 57525**HP****Catalog No** GT3229A**HZ** 60**RPM** 1184**FL TORQUE** 111 **Lb.Ft****BD TORQUE** 272.0 **Lb.Ft****LR TORQUE** 200 **Lb.Ft****FL AMPS** 25.6**PU TORQUE** 168.0 **Lb.Ft****LR AMPS** 145.6**WINDING** HE32006005-3**Date** 5/29/2018



## 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 : 324TTFCD6092

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

Catalog No : GT3229A

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**