

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 445TSTD6060

Catalog No: GT0090

Globetrotter® General Purpose Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM,
445TS Frame, DP



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RegalRexnord

Nameplate Specifications

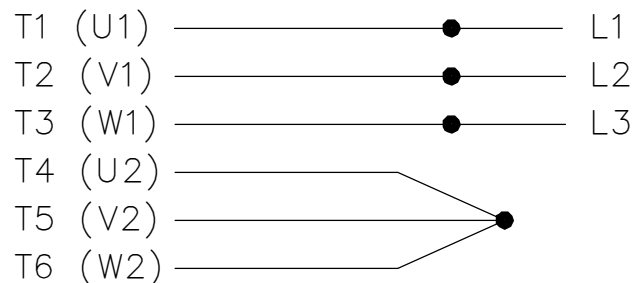
Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 r/min	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	223 & 203 A	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

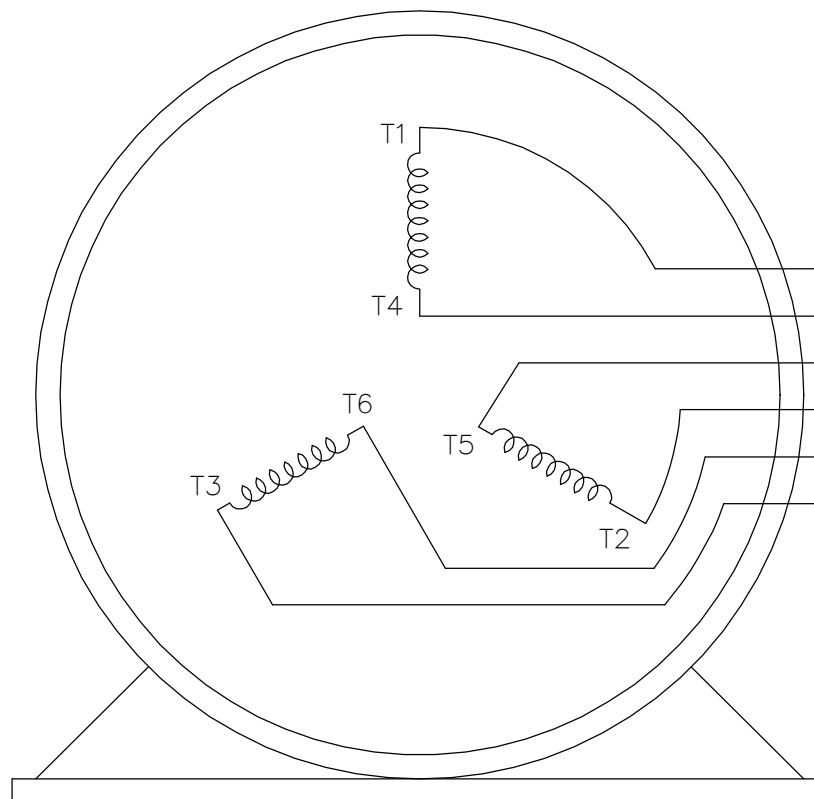
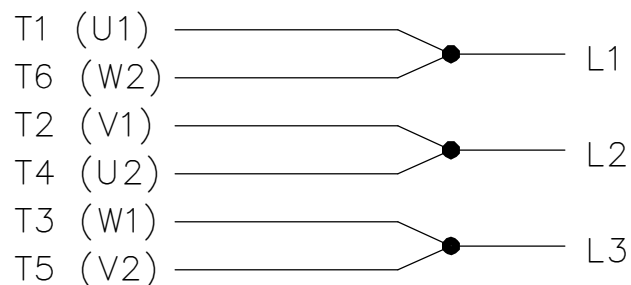
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.019 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	40.83 in
Frame Length	25.98 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7340	Outline Drawing	SS620756-100

THREE PHASE
WYE START DELTA RUN

START





RUN



VIEW OF TERMINAL END

NOTE:
IEC LEAD MARKINGS ARE NOTED
IN PARANTHESES

DRAWING REVISION F	REVISION BY RTT	REV DATE/© DATE 05-29-2019	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.02 [±0.5] .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 LZ	<div> Regal Beloit America, Inc.</div>		
ECO ECO-0167538	APPROVED BY JWA	DATE 05-29-2019		DATE 01-06-1994			
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				DATE 01-18-1994			
				REFERENCE	MATERIAL	PROCESS/FINISH	
			THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7340	SHEET 1 OF 1

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CERTIFICATION DATA SHEET**CUSTOMER:****CUSTOMER PO#:****ORDER #:****MODEL #:** 445TSTD6060 AA**CONN. DIAGRAM:** EE7341C**CUSTOMER PART****#:****OUTLINE:** SS620756**MOUNTING:** F1/F2 CAPABLE**WINDING #:** HE32804016 1**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200&150	149&112	1800	1790&1490	445TS	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	223&203	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	95.8&95.8	3/4 LOAD EFF:	95.8	1/2 LOAD EFF:	95.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	87.5&87	3/4 LOAD PF:	85.5	1/2 LOAD PF:	79	95.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
588 LB-FT	1430	1233 LB-FT 210 %	1408 LB-FT 240 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
84 dBA	94 dBA	88 LB-FT^2	1000 LB-FT^2	20 SEC.	2	2200 LBS.

***** SUPPLEMENTAL INFORMATION *****

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

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6319 6317						

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: VARIABLE 10:1**INV. HP SPEED RANGE:** NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

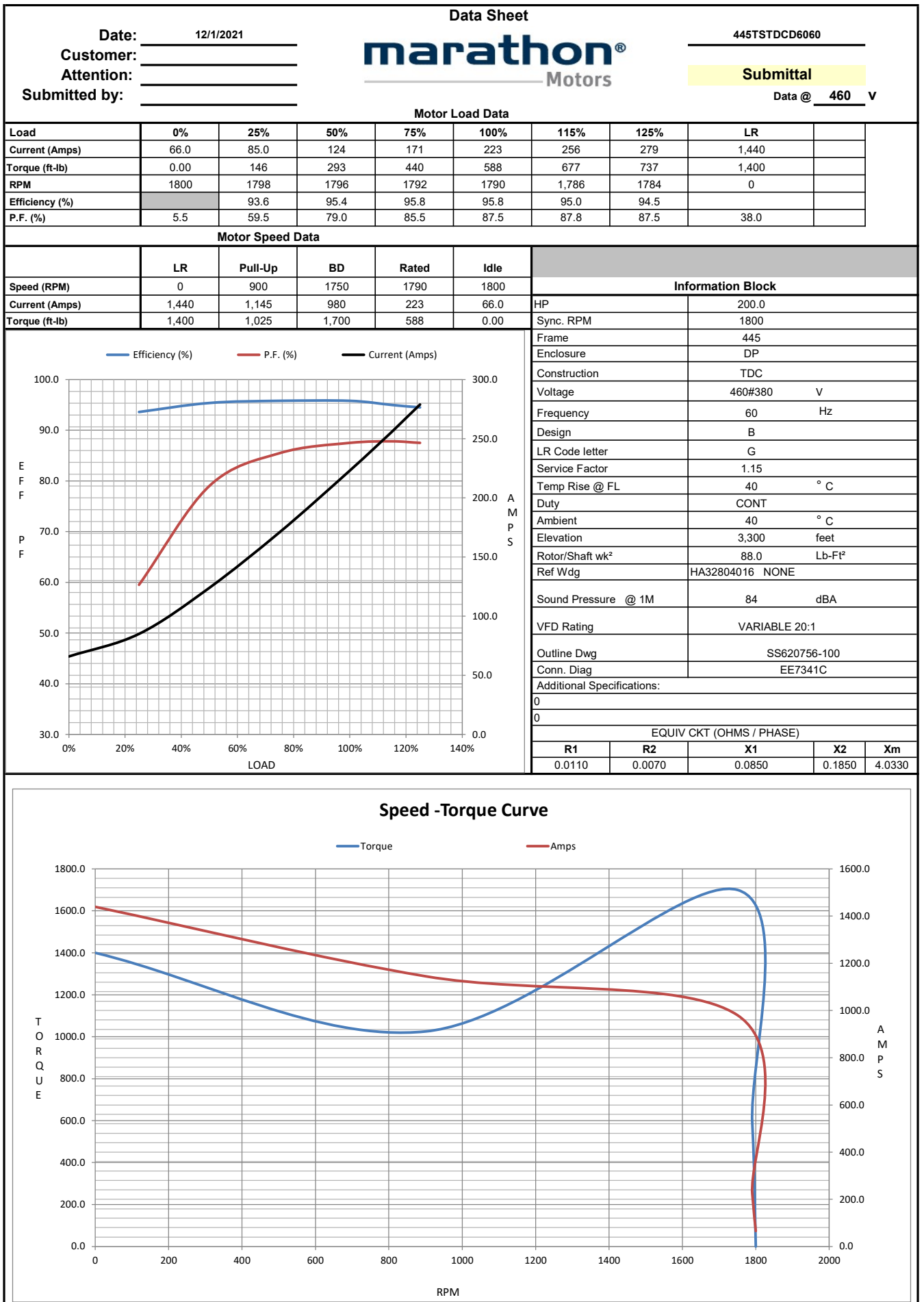
NONE NONE

NONE FT-LB NONE V NONE Hz

PREPARED BY: Anusha Muthyala**DATE:** 06/07/2018 07:44:05 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.



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
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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 : 445TSTD6060

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

Catalog No : GT0090

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

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