## **PRODUCT INFORMATION PACKET**

Model No: 145TTFBD6028 Catalog No: GT1204A Globetrotter® General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 145TC Frame, TEFC



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#### **Nameplate Specifications**

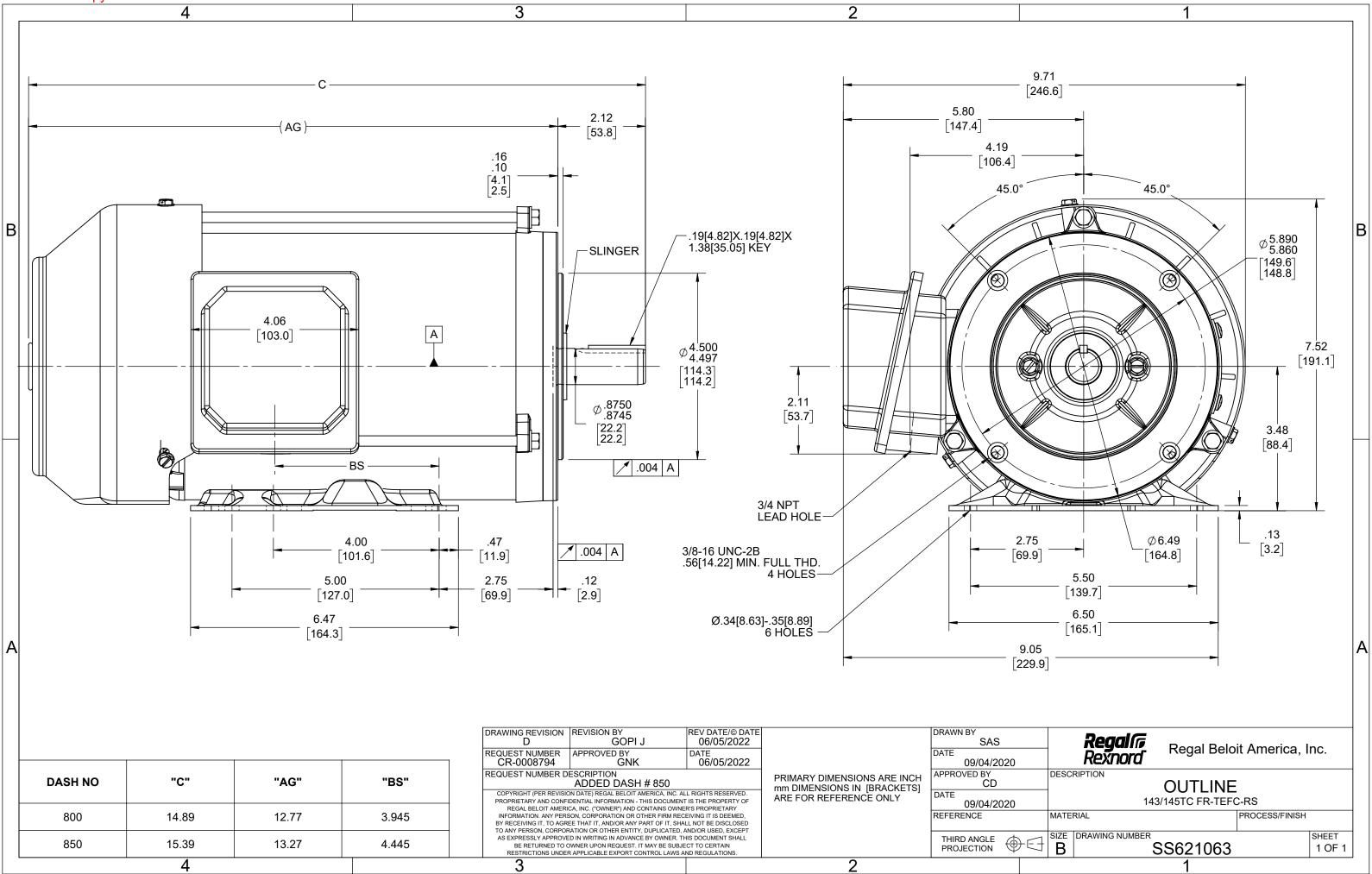
Phase	3	Output HP	1.50 & 1 Hp			
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V			
Speed	1750 & 1455 rpm	Service Factor	1.15 & 1.15			
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	86.5 & 82.5 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	4.4/2.2 & 4/2 A	Power Factor	76			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	М			
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205			
UL	Listed	CSA	Y			
CE	Y	IP Code	43			
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B			

#### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	9.75 Ohms	Mounting	Bolt-on Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel			
Shaft Type	т	Shaft Diameter	0.875 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1			
Outline Drawing	SS621063-800	Connection Drawing	EE7308			

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marathon® PH. 715-675-3311													
									]		DATA VOLTS:	460	
						CE		UCCT					
CERTIFICATION DATA SHEET													
CUSTOMER: ORDER #:					CUSTOMER P.O. #								
		A EE7200						REFERENCE MODEL #: CAT #:					
CONN. DI		A-EE7308											
WINDING:		A-SS621063-80					CUSTOMER PART #:		F1/F2 CAPABLE				
-		HA	AT4007	FR	1						ABLE		
SPEED:					т	YPICAL	MOTOR PERFORM	ANCE D		504205B			
НР	кw	SYNC RP	м	FL RPM			FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
1.5	1.1	1800		175			145TC			TFR			В
1.5	1.1	1800		175	0		14510	TEFC		IFK	М		В
PH	HZ	VOLTS		AMF	s		START TYPE		DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190		4.4/2.2			LINE OR INVERTER	CONT		F	1.15	40	3300
						1							
	F.L. EFF			3/4 LD EFF	85.5		1/2 LD EFF	82.5	GTD EFF		ELECT		
	F.L. PF	76.0		3/4 LD PF	67.0		1/2 LD PF	54.0	85.5		SQ CAGE I	NV RATED	
F.L. T	ORQUE	LR AM	IPS @	460 V		L.I	R. TORQUE		B.D. TORQU	=	F.L. RISE (	° C)	
4.5	LB-FT		20.0		16.5	LB-FT	367%	19.0	LB-FT	422%	60		
						1							
	RESSURE	SOUND		ROTOR			MAX. LOAD WK <sup>2</sup>		STALL TIME	STA	RTS/HOUR	APROX.	MOTOR
62	dBA	71 dBA	A	0.11	LB-FT <sup>2</sup>	10	LB-FT <sup>2</sup>	15	SEC.		2	69	LB.
							JPPLEMENTAL INFORM	ATION **	*				
	KET TYPE	ODE BRACH TYPE	KET	MOUNT TYPE		DTOR ITATION SEVERE DUTY		HAZARDOUS		DRIP COVER	SCREENS	PAINT	
	ACE	BRAKE		BOLT-ON		TATION SEVERE DUTY ZONTAL NO		LOCATION NONE		NO	NONE	BLUE (ENAMEL)	
0-r	ACE	DRAKE		BOLT-ON	HUKIZ		NO		NOINE	NO	NONE	BLU	
BEA	RINGS									1			
DE	ODE	GREASE	E	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL		<b>EN4</b>	т			NONE	NONE		1045 HOT ROLLED (C-204)			
6205	6205	POLYREX	EM	I		NONE		NONE		1045 HOT ROLLED (C-204)		ROLLED STEEL	
						1				1			
THERMOSTATS PROTECTORS		ORS	WDG R	G RTD'S BRG RTD'S		THERMISTORS		CONTROL		SPACE HEATERS			
	ONE	NOT		NON				NONE		FALSE		NA	
R1 (oł	nms/ph)	R2 (ohms/	ph)	X1 (ohm	ns/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
5.	865	4.162		8.13			202.444		0.150		ODE		
											CONCTANT 40.44		20.4
N						INVERTER TORQUE: CONSTANT 10:1/VARIABLE 20:1 INV. HP SPEED RANGE: NONE							
O T								INV. HP SPEE	D RANGE:	NUNE			
					ENCODER: NONE								
S				NONE NONE PPR									
									NONE	STEADNO		NONE	PPK
PREPARED BY:				BRAKE: STEARNS 56,000 NONE									
	DATE:	7/26/2022	2					56,000 NONE FT-LB: 10					
	DATE:	.,_0,_0/2						VOLTAGE: NONE HZ:					
FORM: 35	31 REV 4	2/27/06						UL: V - LI,ME-INS,CONST UL REC					



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### **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: 145TTFBD6028

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

Catalog No : GT1204A

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

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer