# PRODUCT INFORMATION PACKET



Model No: 315STFC6588
Catalog No: R508
Globetrotter® IEC Cast Iron Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 315S Frame, TEFC



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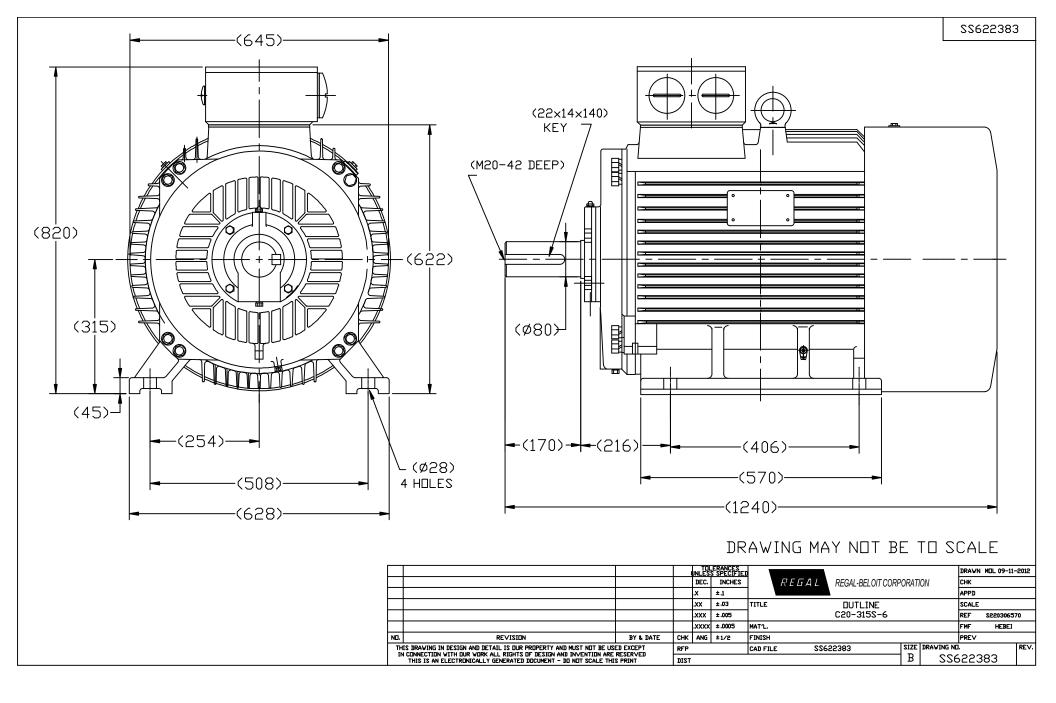
### Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp				
Output KW	utput KW 75.0 & 56.0 kW		230/460 & 200/400 V				
Speed	1190 & 992 rpm	Service Factor	1.15 & 1.15				
Frame	315S	Enclosure	Totally Enclosed Fan Cooled				
Thermal Protection	No Protection	Efficiency	95 & 95 %				
Ambient Temperature	40 °C	Frequency	60 & 50 Hz				
Current	226/113 & 200/100 A	Power Factor	87				
Duty	Continuous	Insulation Class	F				
Design Code	В	KVA Code	Н				
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6319				
UL	Recognized	CSA	Υ				
CE	Υ	IP Code	55				
Number of Speeds	1						

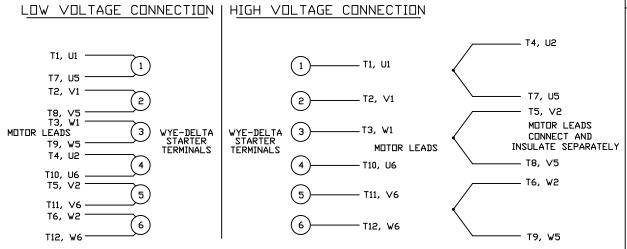
## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation Horizontal		Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	48.81 in
Shaft Diameter	3.142 in	Shaft Extension	6.69 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1
Connection Drawing 00417203ME		Outline Drawing	SS622383

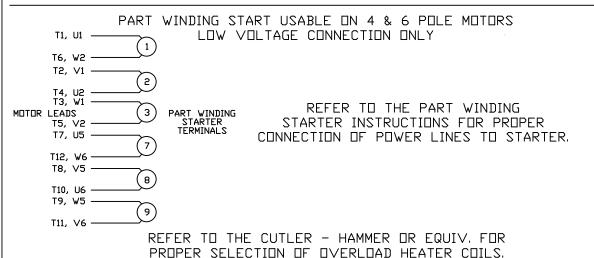
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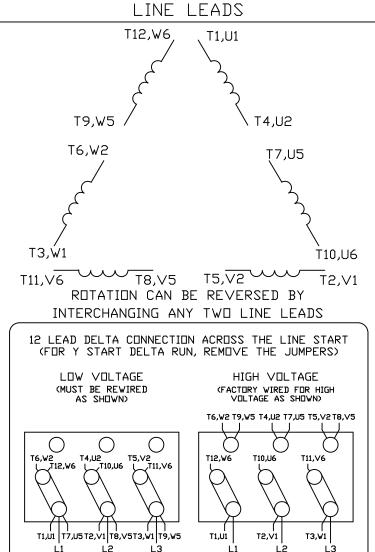


#### WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.



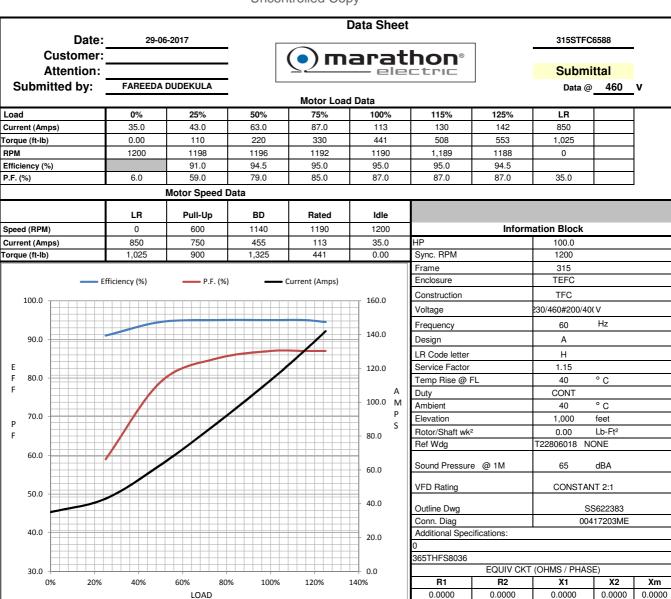


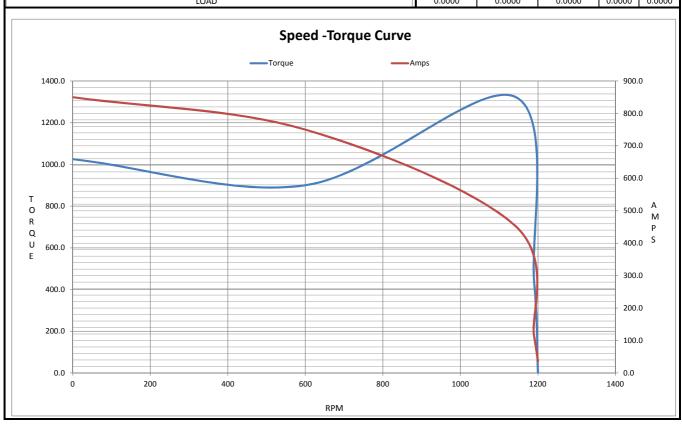
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				DEC.	INCHES			<u>ال ر</u>		СНК		
				.x	± .1			APPD				
				.xx	± .01	TITLE DEL	E DELTA - WYE CONNECTION DIAGRAM				1=1	
				.xxx	±.005		IEC CAST IRON MOT	REF				
				.xxxx	±.0005	MAT'L.				FMF		
ND.	REVISI□N	BY & DATE	СНК	ANG	±1/2°	FINISH	SH PREV					
	THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NOT BE USED EXCEPT					CAD FILE	00417203ME	SIZE	DRAWING N	<u> </u>	R	EV.
IN	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				DIST					72-03ME	Ξ	



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						elect	ITL								
										DATA VOLTS:	460				
				CER	TIFICAT	ION DATA	A SHEE	Т							
CUSTOME						_		OMER P.O. #:							
ORDER #:						F	REFERENCE MODEL #: 315STFC6588								
CONN. DIA		00417203ME						CAT #:		R508					
OUTLINE:		SS622383					CUSTO	MER PART #:							
WINDING:		T228	06018 NONE	1				MOUNTING:	F3						
SPEED:			TY	PICAL I	MOTOR	PERFORI	MANCE	DATA							
HP	KW	SYNC RPI	M FLR	PM	FI	RAME	ENCLOSURE		TYPE	KVA CC	DE	DESIGN			
400	7.5	4000	440	•			TEFO		TE0						
100	75	1200	119	0	3	315S		TEFC	TFC	Н		N			
PH	HZ	VOLTS	AMF	rs	STAF	RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.			
3	60/50	230/460#200/	/400 226/113&2	200/100	PWS & YE	DRUN OR INV	CONT		F	1.15	40	3300			
	F.L. EFF	95.0	3/4 LD EFF	95.0		1/2 LD EFF	94.5	GTD EFF		ELECT. T	YPE				
	F.L. PF	87.0	3/4 LD PF	85.0		1/2 LD PF	79.0	94.5		SQ CAGE IN\	IV RATED				
				-					<u> </u>		-				
F.L. TO	ORQUE	LR AM	<b>PS</b> @ 460 V		L.R. TORQUE			B.D. TORQU	E	F.L. RISE	(° C)				
441	LB-FT		850	1,025	LB-FT	232%	1,325	LB-FT	300%	40					
@3	@ 3 FT. POWER ROTOR WK <sup>2</sup> MAX			OAD WK <sup>2</sup>			STAF	TS/HOUR	MOTOR WGT						
65	dBA	74 <b>dBA</b>	0.00	LB-FT <sup>2</sup>	0	LB-FT <sup>2</sup>	25	SEC.		2	0	LB.			
			`												
		ODE DD 401	(ET   MOUNT			ITAL INFOR			DRIP	1					
DE BBAC	KET TYPE	ODE BRACK TYPE	TYPE		TOR TATION	SEVERE DUTY	HAZARDOUS DRIP LOCATION COVER SCREENS PAINT								
	IDARD	STANDAR			ZONTAL	UM SEVERE		NONE	NO	NONE	BLUE (ENAMEI				
01711	1071110	01711107111	D THOID	1101112	LOITINE	IONI OL VLINE	· ·	10.112	110	NONE	DLOL (L	-1 <b>()</b> ((V)			
BEAF	RINGS			T		T				OUAFT MATERIAL					
DE	ODE	GREASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME N	MATERIAL			
BALL	BALL	DOLLYDEY F	-14 074104	DD 150		IONE	NONE		1045 HOT BOLLED (C 204		CACTIDON				
6319	6319	POLYREX E	EM STANDAI	RD IEC	NONE		NONE		1045 HOT ROLLED (C-204		CAST IRON				
					4				*						
											SP	ACE			
THERMOSTATS		PROTECTO	RS WDG R	TD's	BRG RTD's		THER	RMISTORS	CONTROL		HEATERS				
NONE		NOT	NON	ΙE	N	NONE		NONE		ALSE	NA				
R1 (ohms/ph)		R2 (ohms/p		ıs/ph)	X2 (o	(ohms/ph) Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT					
	0	0	0			0		0	(	0.080	0	DE			
	ı														
*															
N										CONSTANT 2:1					
0								INV. HP SPEE	D RANGE:	1.5 X BASE SPI	EED				
Т															
E								ENCODER:	NONE						
S							NONE								
*								NONE			NONE	PPR			
						BRAKE:									
PREF	PREPARED BY: EARL BABBITTS						NONE NONE								
	DATE:									FT-LB: NA					
	DATE:	13-07-17													
	31 REV_4							FT-LB: VOLTAGE: V-INS, CON	1	NA NONE		HZ:			







# **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: 315STFC6588

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

Catalog No : R508

Rework No : N/A

### Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

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

Michael A Logsdon

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

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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