PRODUCT INFORMATION PACKET

Model No: 280STFC6501 Catalog No: R506 Globetrotter® IEC Cast Iron Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 280S Frame, TEFC



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marathon®

Nameplate Specifications

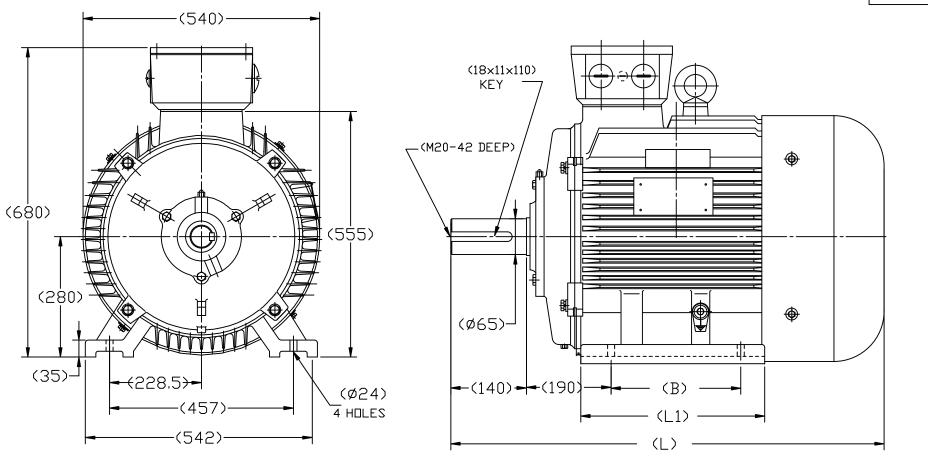
Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 200/400 V
Speed	3575 & 2985 rpm	Service Factor	1.15 & 1.15
Frame	280S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	222/111 & 192/96 A	Power Factor	89.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type			Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0273 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	38.38 in
Shaft Diameter	2.555 in	Shaft Extension	5.51 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 10:1
Connection Drawing	00417201ME	Outline Drawing	SS622380

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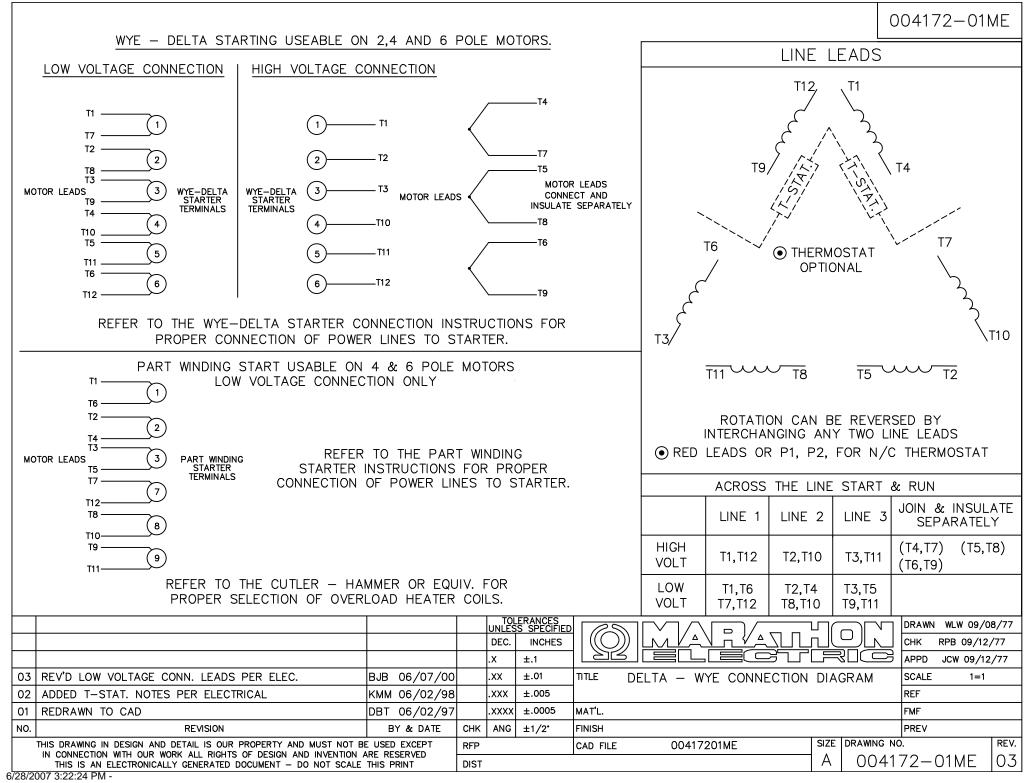
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R506

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CERTIFICATION DATA SHEET

Model#:	280STFC6501 AA
CONN. DIAGRAM:	00417201ME
OUTLINE:	SS622380

* NOTES

WINDING#: ASSEMBLY:

T22802007 NONE 1

F3

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75&56	3600	3575&2985	280S	TEFC	Н	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION	
3	60/50	230/460#200/	222/111&192/	PWS &	CONTINUOU	F5	1.15/1.15	40	3300	
		400	96	YDRUN OR	S					
				INV						

FULL LOAD EFF: 94.1&94.5	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5&89	3/4 LOAD PF: 89	1/2 LOAD PF: 87	93.6	SQ CAGE INV RATED	42 / 21

F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TOR	QUE	F.L. RISE°C		
147 LB-FT		1230 / 615		200 LB-FT 136		420 LB-FT 286			65	
SOUND PRESSURE @ 3 FT.	SOUN	D POWER	ROTOR WK^2	2	MAX. WK^2	SA	FE STALL TIME	STAR ⁻ /HOU	-	APPROX. MOTOR WGT
81 dBA	9	1 dBA	- LB-FT^2		- LB-FT^2		15 SEC.	2		1175 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	OPE					MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT	CAST IRON	
6314	6314]				ROLLED (C-204)		

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

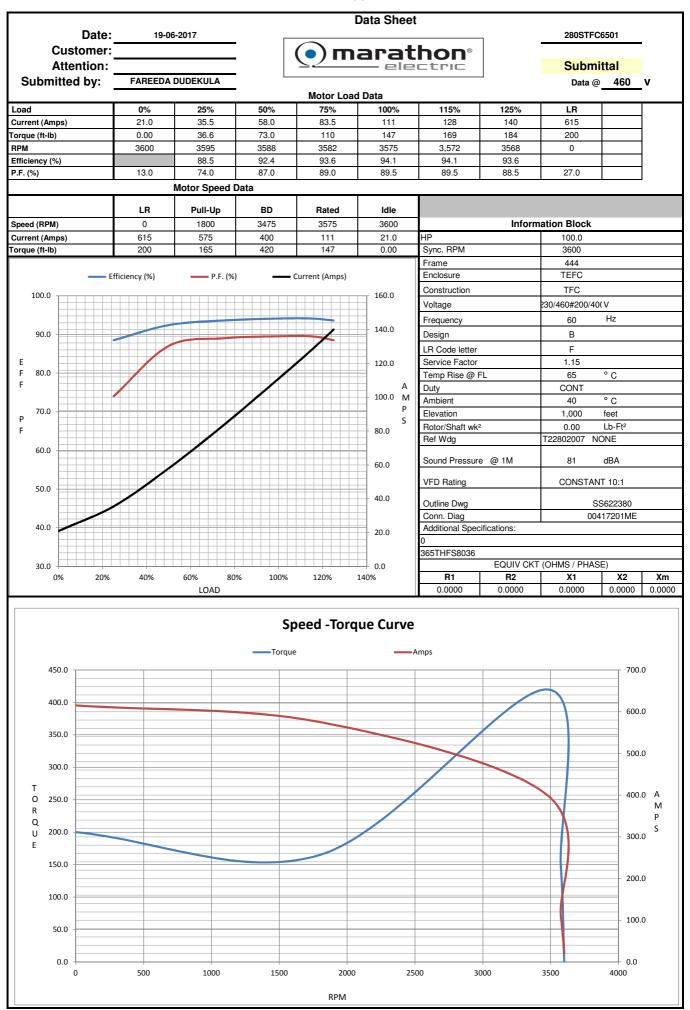
If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED	
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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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: 280STFC6501

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

Catalog No : R506

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