PRODUCT INFORMATION PACKET

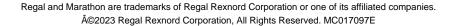


Model No: 250MTFC6501 Catalog No: R503

Globetrotter® IEC Cast Iron Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,

3600 & 3000 RPM, 250M Frame, TEFC









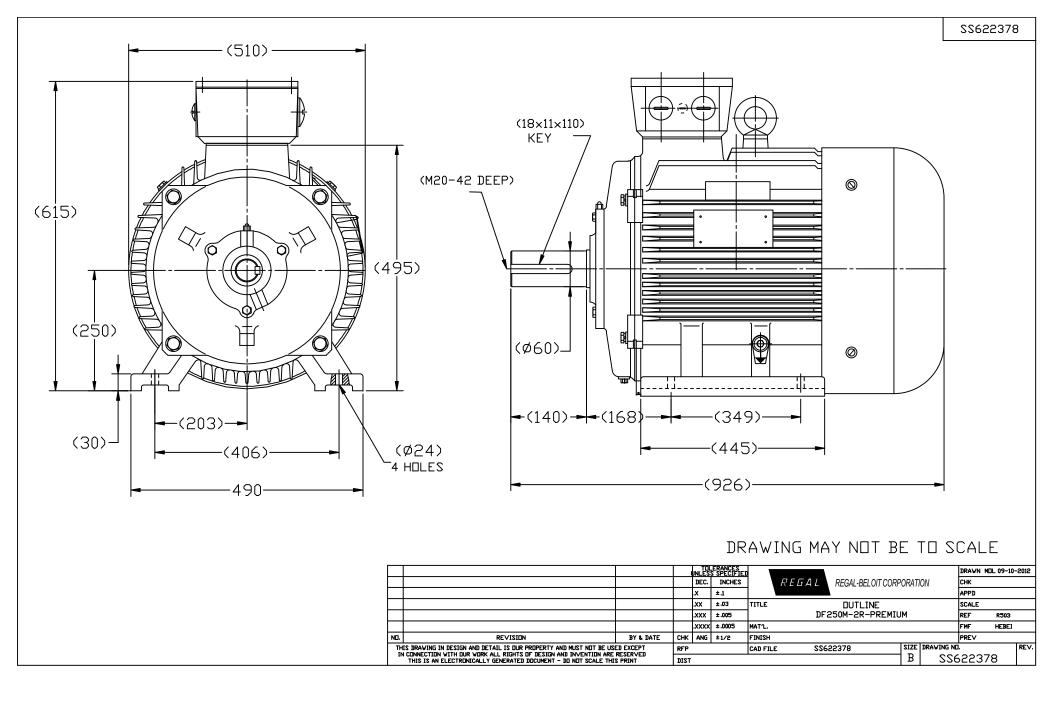
Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 200/400 V
Speed	3570 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	250M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	166/83 & 151/75.5 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized		N
CE	Υ	IP Code	55
Number of Speeds	1		

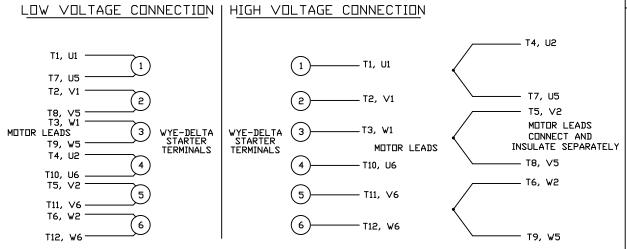
Technical Specifications

Electrical Type	etrical Type Squirrel Cage Inverter Rated		Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	IEC
Overall Length	36.45 in	Shaft Diameter	2.555 in
Shaft Extension	5.51 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 10:1		
Outline Drawing	SS622378	Connection Drawing	00417203ME

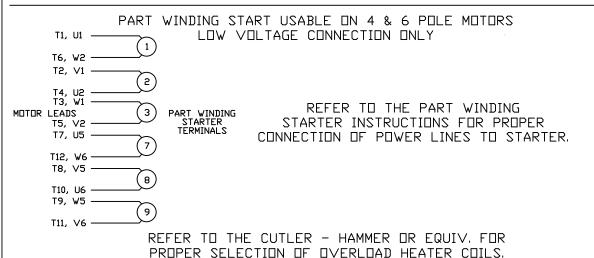
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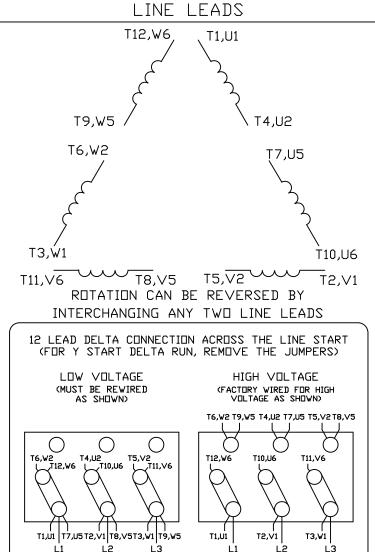


WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



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





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				.x	± .1					APPD		
				.xx	± .01	TITLE DEL	_TA - WYE CONNECTION	N DIA	AGRAM	SCALE	1=1	
				.xxx	±.005		IEC CAST IRON MOTORS REI			REF		
				.xxxx	±.0005	MAT'L.				FMF		
ND.	REVISI□N	BY & DATE	СНК	ANG	±1/2°	FINISH				PRE∨		
	THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT					CAD FILE	00417203ME	SIZE	DRAWING N	<u> </u>	R	EV.
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CERTIFICATION DATA SHEET

250MTFC6501 AA WINDING#: T19602015 NONE 3 Model#:

F.L. RPM

INV

ASSEMBLY: CONN. DIAGRAM: 00417203ME F3

SYNC. RPM

OUTLINE: SS622378

KW

ΗP

TYPICAL MOTOR PERFORMANCE DATA

FRAME

ENCLOSURE

KVA CODE

DESIGN

75&60	56&4	15	3600 3570&2975		250M	TEF	TEFC		В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/	166/83&151/7	PWS &	CONTINUOU	F5	1.15/1.1	5 40	3300
		400	5.5	YDRUN OR	S				

FULL LOAD EFF: 93.6&93.6	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&89	3/4 LOAD PF: 90	1/2 LOAD PF: 87	93	SQ CAGE INV RATED	34 / 17

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
110 LB-FT	1084 / 542	210 LB-FT 191	275 LB-FT 250	60

SOUND PRES @ 3 FT.	SURE SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
77 dBA	87 dBA	11.2 LB-FT^2	- LB-FT^2	20 SEC.	2	- 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)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT	CAST IRON
6313	6313					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

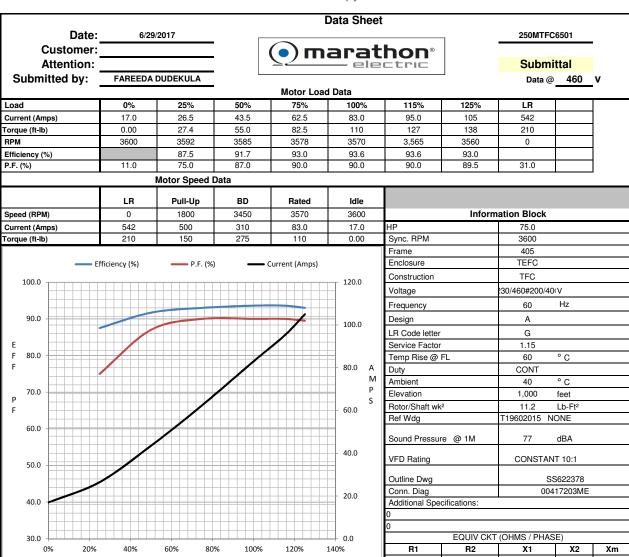
ENCODER: NONE NONE NONE NONE NONE PPR

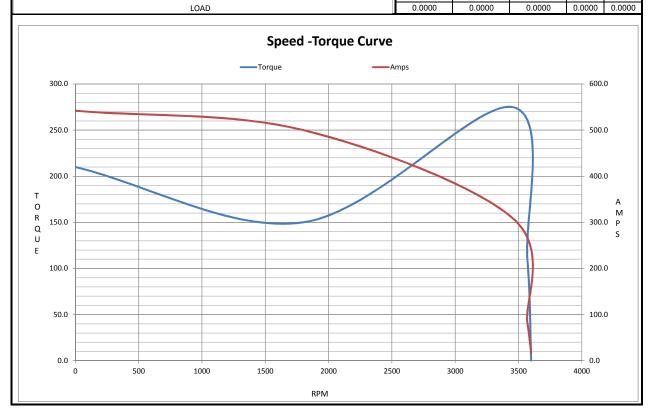
BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

Ν 0 Т Ε S

> DATE: 06/23/2017 01:08:29 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 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: 250MTFC6501

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

Catalog No : R503

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

Julian Clark

Michael A. Logsdon Vice President, Technology

Marketing Engineer

Created on 09/01/2022

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