PRODUCT INFORMATION PACKET



Model No: 254TTFNA14103 Catalog No: L412A

XRI® General Purpose General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

900 & 750 RPM, 254T Frame, TEFC



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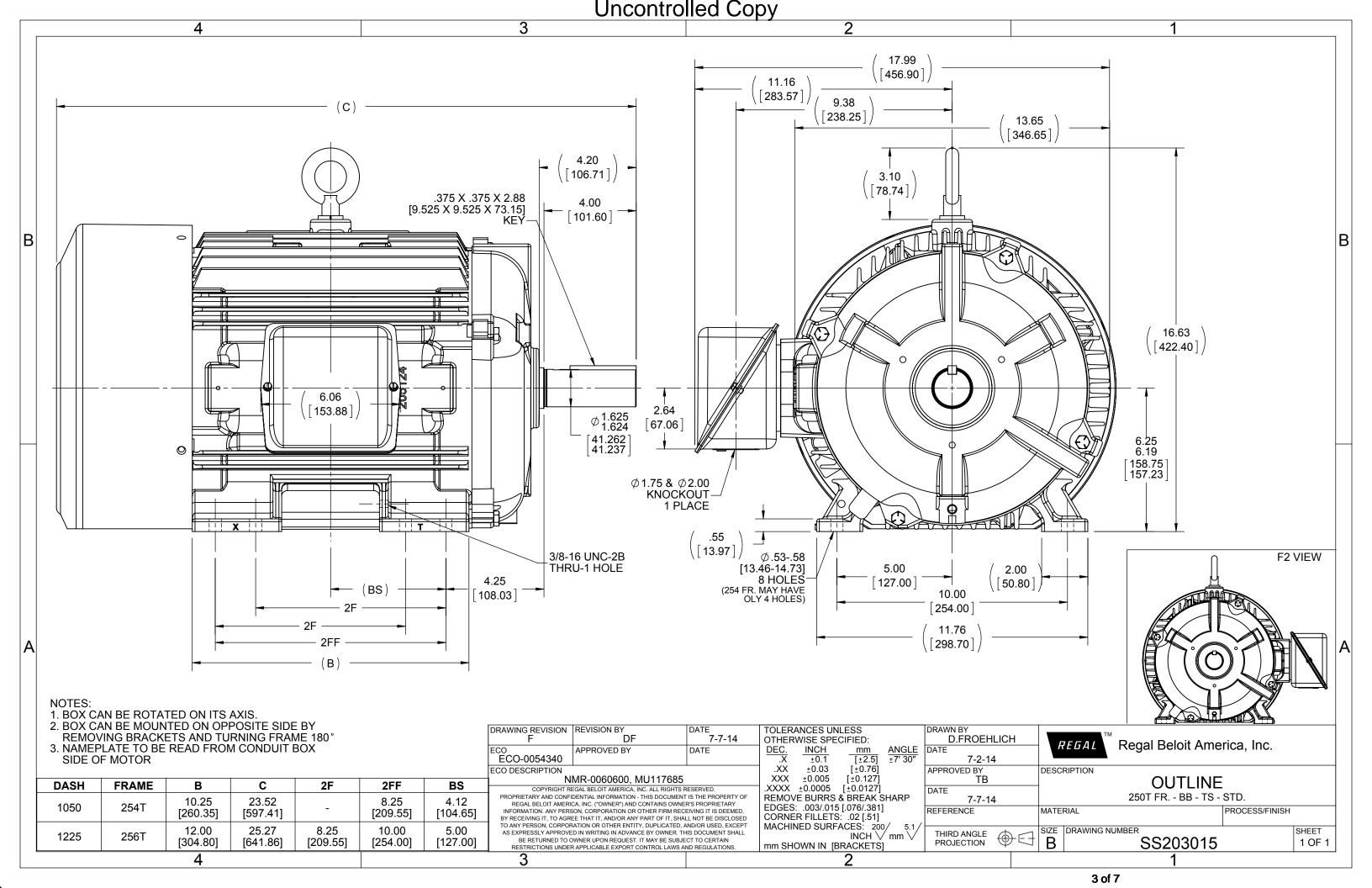
Nameplate Specifications

Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	875 & 730 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	15/7.5 & 12.4/6.2 A	Power Factor	73
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	2.65 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	23.52 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	4.2 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308	Outline Drawing	B-SS203015-1050

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CERTIFICATION DATA SHEET

254TTFNA14103 AA WINDING#: Model#: K254828 NONE 1 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS203015-1050

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYI	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE K	/A CODE	DESIGN
5&3	3.7&2.	.24	900	875&730	254T	TEF	c	F	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	15/7.5&12.4/6.	ACROSS THE	CONTINUOU	F3	1.15/1.15	40	3300
		380	2	LINE	S				

FULL LOAD EFF: 87.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 73&67	3/4 LOAD PF: 66	1/2 LOAD PF: 54	85.5	SQ CAGE IND RUN	8/4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	64 / 32	41.5 LB-FT 138	64 LB-FT 213	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	2.4 LB-FT^2	- LB-FT^2	20 SEC.	-	325 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	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	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6309	6210					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: NONE INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

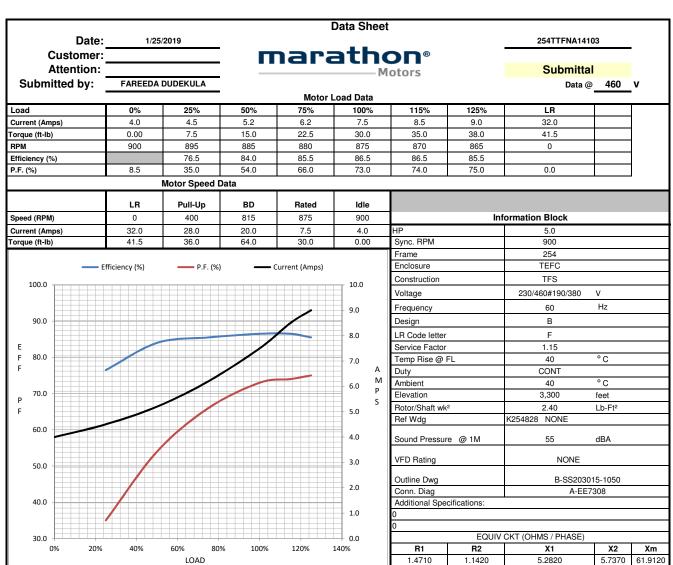
BRAKE: NONE NONE NONE P/N NONE NONE NONE

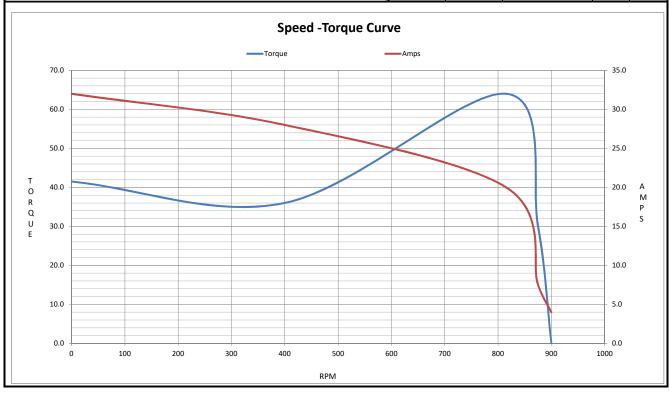
- FT-LB NONE V NONE Hz

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> DATE: 06/23/2017 04:19:09 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: 254TTFNA14103

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

Catalog No : L412A

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 09/26/2022

Julian Clark
Marketing Engineer

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