PRODUCT INFORMATION PACKET



Model No: 213THTS8038 Catalog No: Y565

Blue Max® Inverter Duty Encoder Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 213TC Frame, TENV









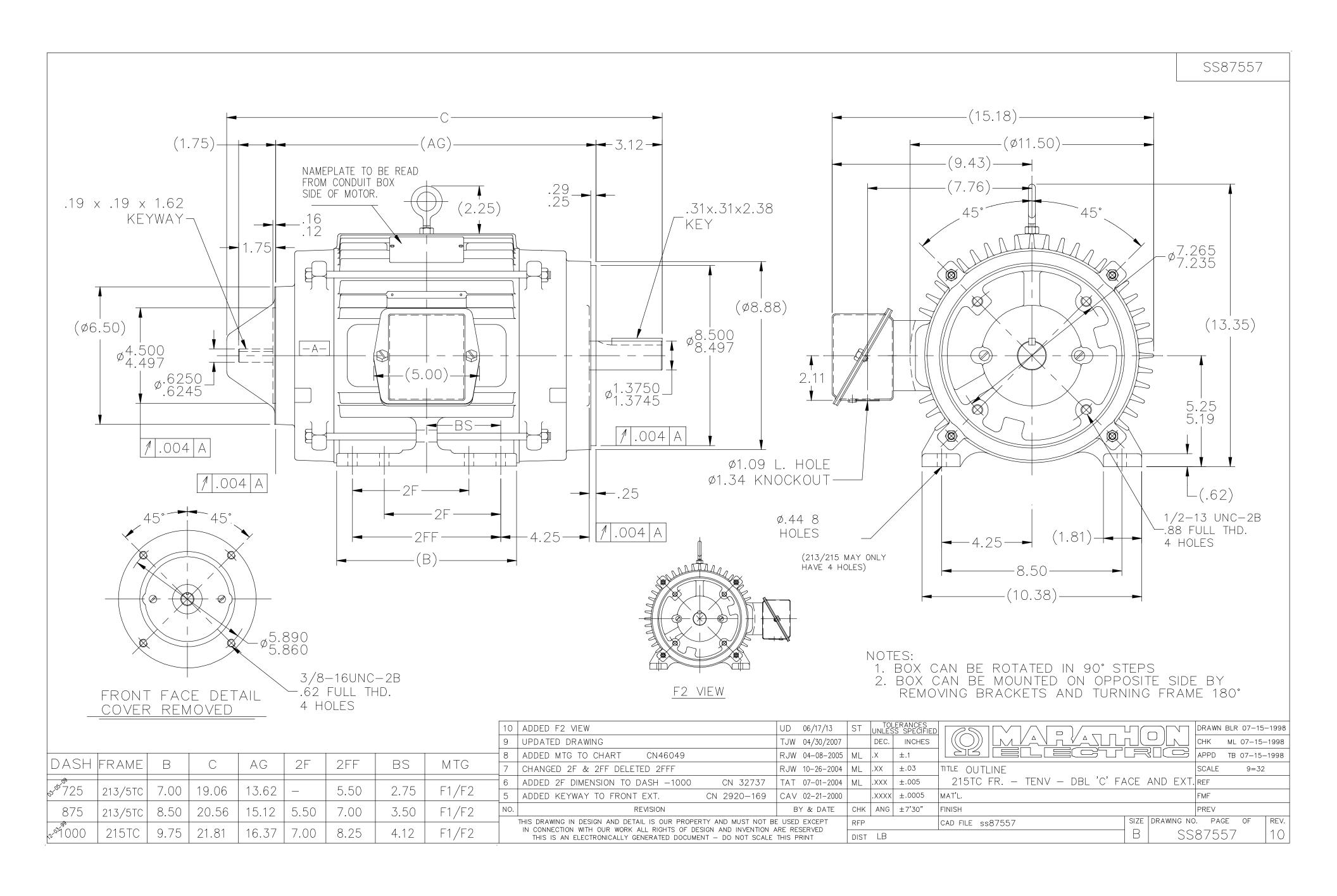
Nameplate Specifications

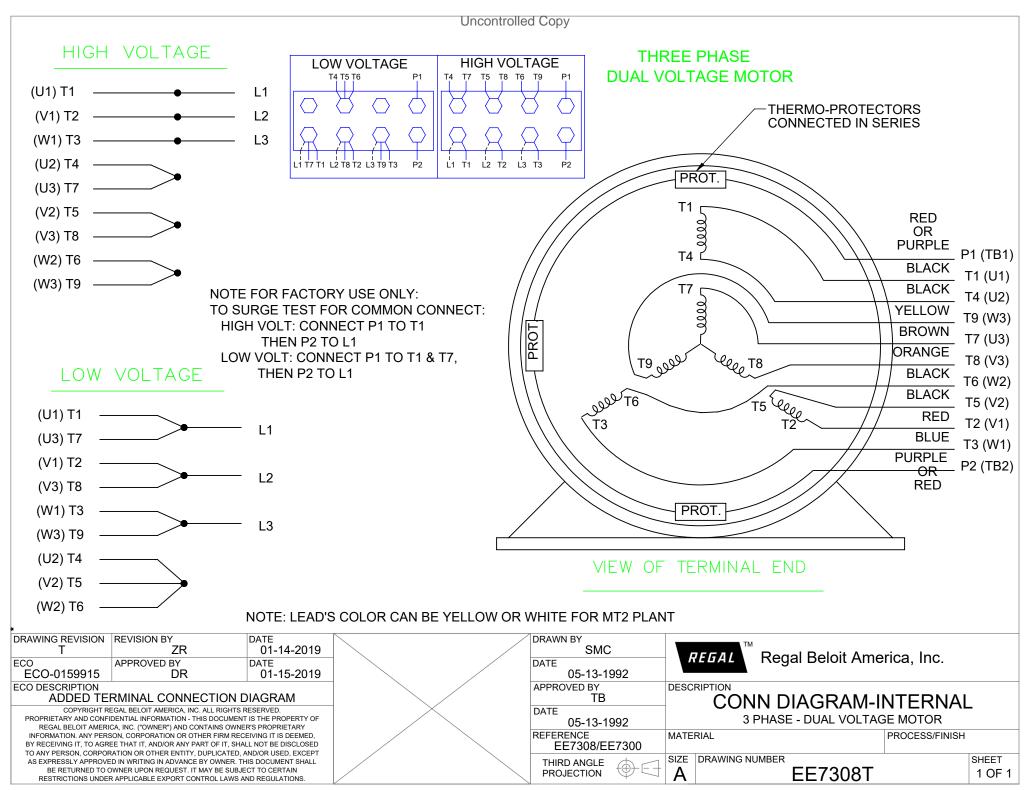
Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230/460 V
Speed	1775 rpm	Service Factor	1.0
Frame	213TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	90.2 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	21.0/10.5 A	Power Factor	75
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	L
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	3.25 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	20.56 in
Frame Length	8.75 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS87557-875

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CERTIFICATION DATA SHEET

 Model#:
 213THTS8038 BP
 WINDING#:
 K2134188 NONE 1

 CONN. DIAGRAM:
 A-EE7308T
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS87557-875

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	,	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
7 1/2	5.60)		1800	1775	213TC	TEN	V		L	INV
PH	Hz	VOI	LTS	FL AMPS	START TYPE	DUTY	INSL	s	.F	AMB°C	ELEVATION
3	60	230/	/460	21/10,5	INVERTER	CONTINUOU	H4	1,	.0	40	3300
					ONLY	S					

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75	3/4 LOAD PF: 68	1/2 LOAD PF: 55.5	88.5	SQ CAGE INV DUTY	11.6 / 5.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22 . 2 LB-FT	182 / 91	80 LB-FT 360	94 LB-FT 423	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	1.05 LB-FT^2	0 LB-FT^2	0 SEC.	0	212 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
0.57456	0.46116	1.94292	2.9862	43.848
RM	ZREF	XR	TD	TD0
1814.4	37.8	4.1	0.0145	0.27

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	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	6207					ROLLED (C-204)	

	THERMO-PROTECTORS				CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	PROTECTORS WDG RTDs BRG RTDs				
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED

ENCODER: PROVISIONS ONLY NORTHSTAR ST56 NONE NONE PPR

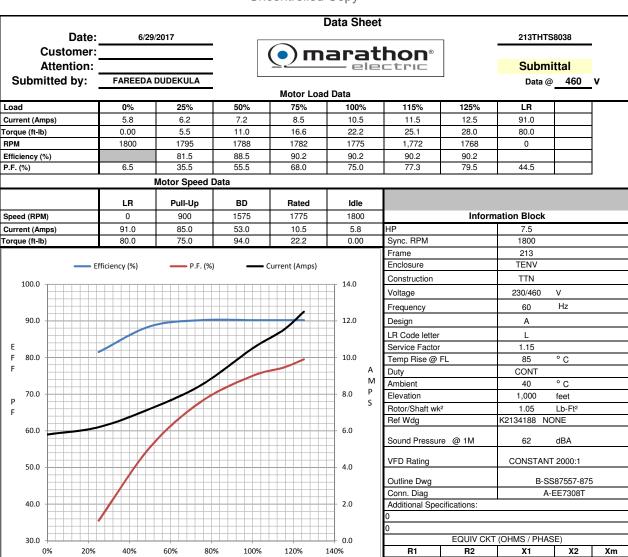
BRAKE: PROVISIONS ONLY NONE NONE P/N NONE

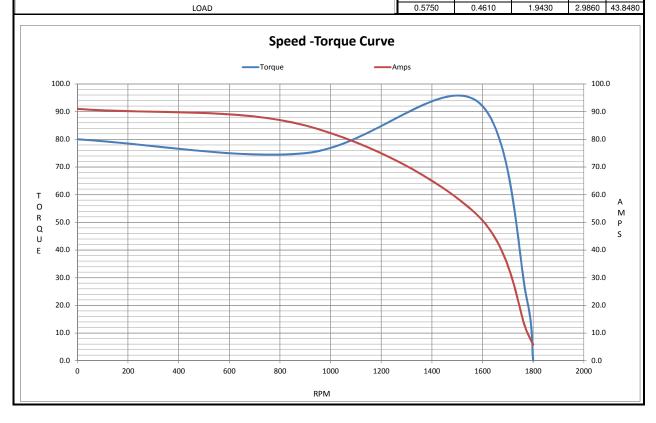
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NONE	NONE		
NONE FT-L	В	NONE V	NONE Hz

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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: 213THTS8038

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

Catalog No : Y565
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 08/31/2024

Julian Clark Marketing Engineer

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