PRODUCT INFORMATION PACKET

Model No: 215THTS8038 Catalog No: Y566 Blue Max® Inverter Duty Encoder Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 215TC Frame, TENV



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Motors



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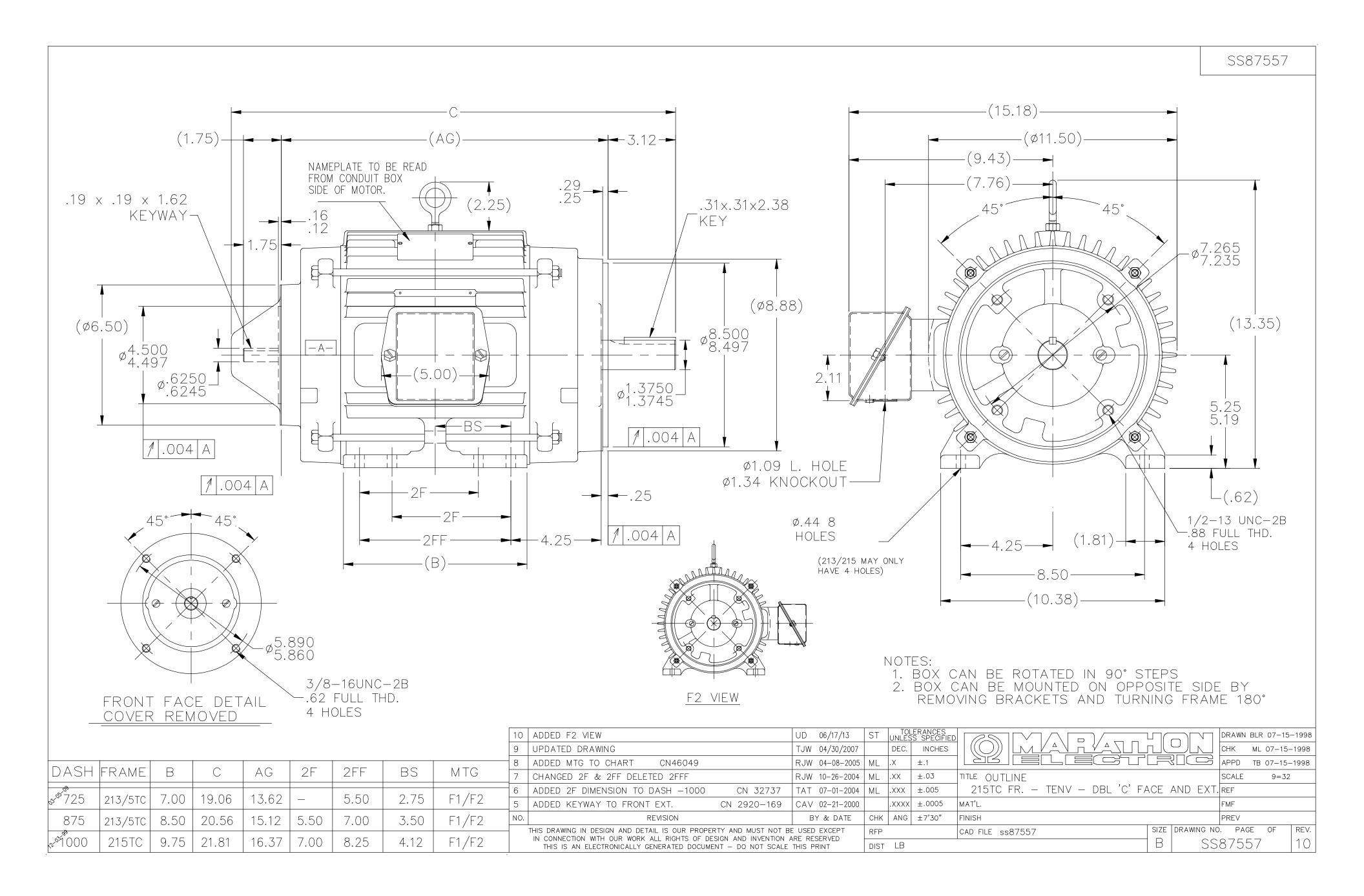
Nameplate Specifications

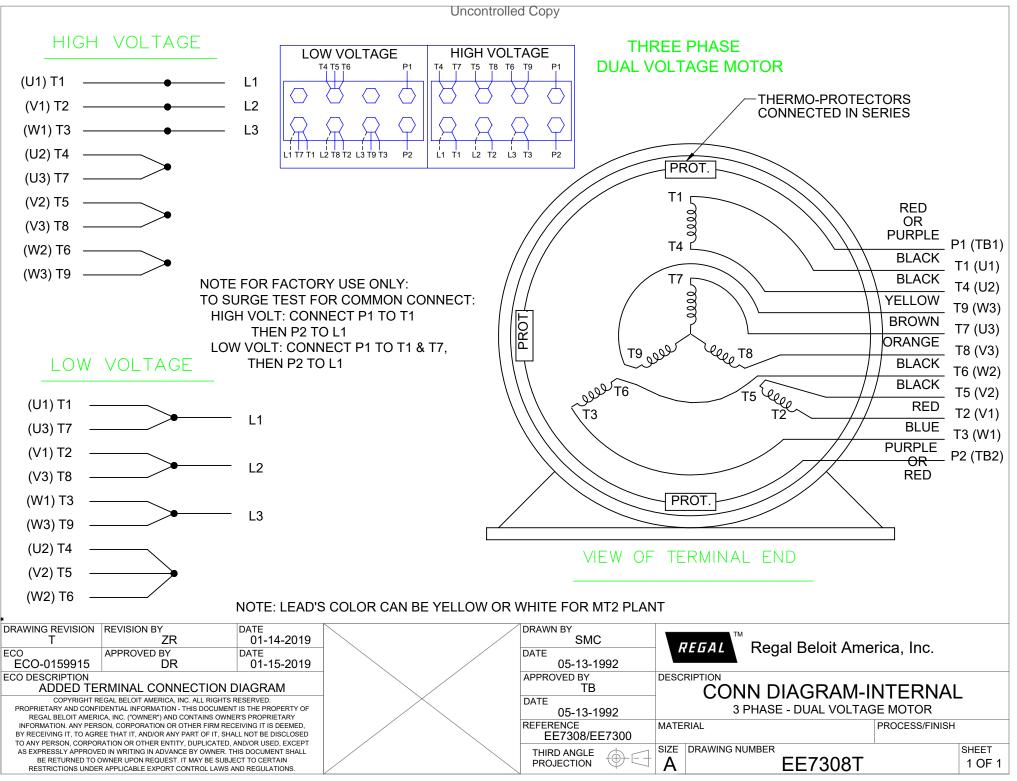
Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230/460 V
Speed	1775 rpm	Service Factor	1.0
Frame	215TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	26.0/13.0 A	Power Factor	78
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	L
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Υ
CE	Y	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	.56 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	21.81 in
Frame Length	10.00 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-SS87557-1000

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CERTIFICATION DATA SHEET

Model#:	215THTS8038 BR	WINDING#:	K2154321 NONE 1
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS87557-1000		

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw		SYNC. RPM		PM	F.L	. RPM	FRAM	ΛE	ENG	CLOSU	RE	KVA CODE		E	DESIGN
10		7.50)	1800		1775		215T	С	C TENV		L		L		INV	
PH	ŀ	Ηz	VOL	TS FL AMPS		AMPS	MPS START TYPE		DUTY		INSL		S.F		AN	/B°C	ELEVATION
3	6	60	230/4	460	60 26/13		-	VERTER ONLY	CONT I NU S	ou	H4		1.0		40		3300
FULL LOAD			3/4 LOAD EFF: 91 1/2		1/2 LOAD EFF: 89.5		GTD. EFF			ELEC. TYPE			NO LOAD AMPS				
FULL LOAD	PF: 78	3	3/4 LOAD	LOAD PF: 72 1/2		1/2 LO	/2 LOAD PF: 60.5		i	89.5		SQ (CAGE	NV DUT	Y		13 / 6.5
F.L. TO	RQUE		LOCK	LOCKED ROTOR AMPS		L.R. TOF		DRQUE B.D. T		D. TOF	QUE			F.L. RISE°C			
29.6 L	.B-FT			230 /	230 / 115			93.5 LB-FT 316			119 LB-FT 402			95			
SOUND PRESS @ 3 FT.	SURE	SOUN	ID POWE	R	ROT	OTOR WK^2 MAX		MAX.	WK^2 SAFE STALL				START /HOUF		AP	PROX. MOTOR WGT	
62 dBA		7	2 dBA		1.4 LB-FT^2			- LB-f	FT^2		- SEC.		-				272 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
0.39476	0.36068	1.4768	2.42536	36.92
RM	ZREF	XR	TD	TD0
1485.32	28.4	4.4	0.015	0.29

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION			SEVERE DUTY		OUS ION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	RIGID	HORIZ	HORIZONTAL		SE NONE		E FALSE		NONE	BLUE (ENAMEL)
BEA	ARINGS	GREAS	E	SHAFT	TYPE	SPEC	IAL DE	SPE	CIAL ODE	SHAFT	FRAME
DE	OPE									MATERIAL	MATERIAL
BALL	BALL	POLYREX	K EM	EM T		N		NONE		1045 HOT	CAST IRON
6309	6207									ROLLED (C-204)	

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

* NOTES

If Inverter equals NONE, contact factory for further information

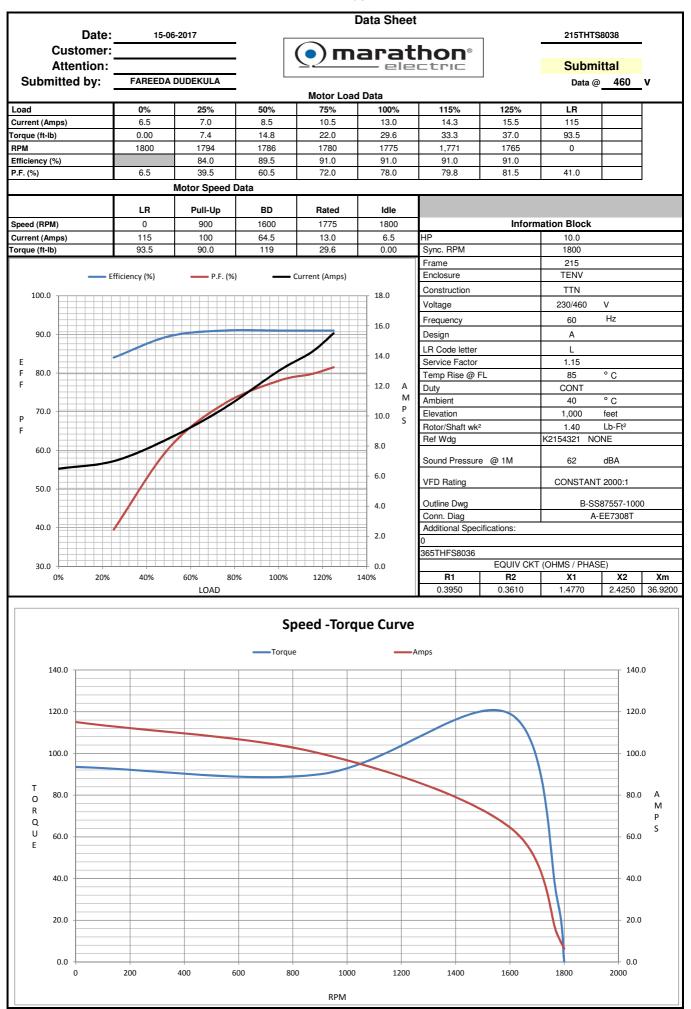
INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED
ENCODER: PROVISIONS ONLY NONE NONE NONE NONE PPR
BRAKE: PROVISIONS ONLY NONE NONE P/N NONE

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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: 215THTS8038

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

Catalog No : Y566

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 08/31/2024

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Authorized Representative in the Community:

Julian Clark Marketing Engineer