PRODUCT INFORMATION PACKET

Model No: 254THTNA8071 Catalog No: Y992 Blue Max® Inverter Duty Brake Motor, 15 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 254TC Frame, TENV



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Motors



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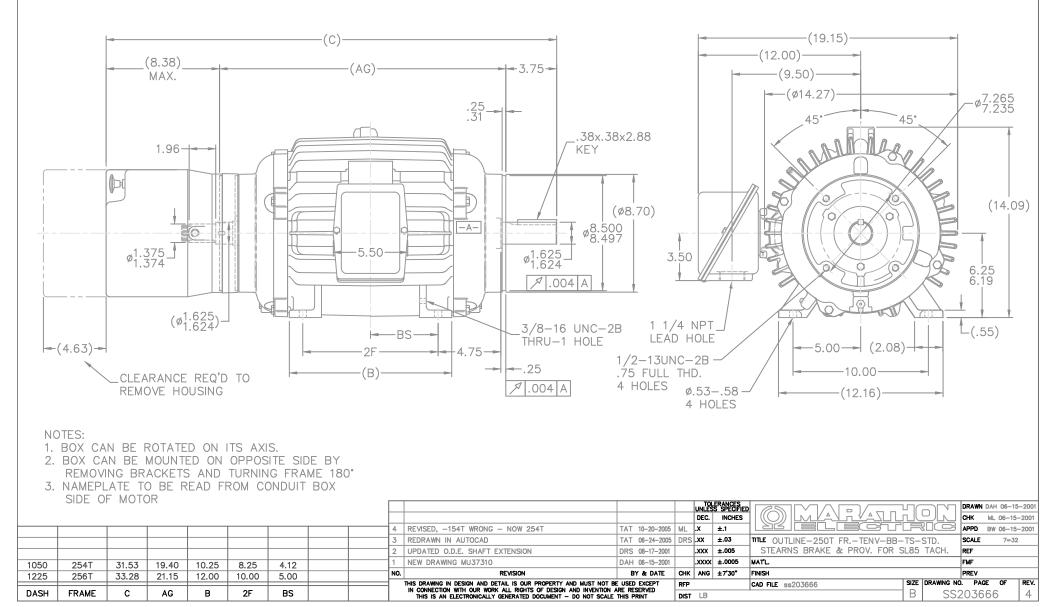
Nameplate Specifications

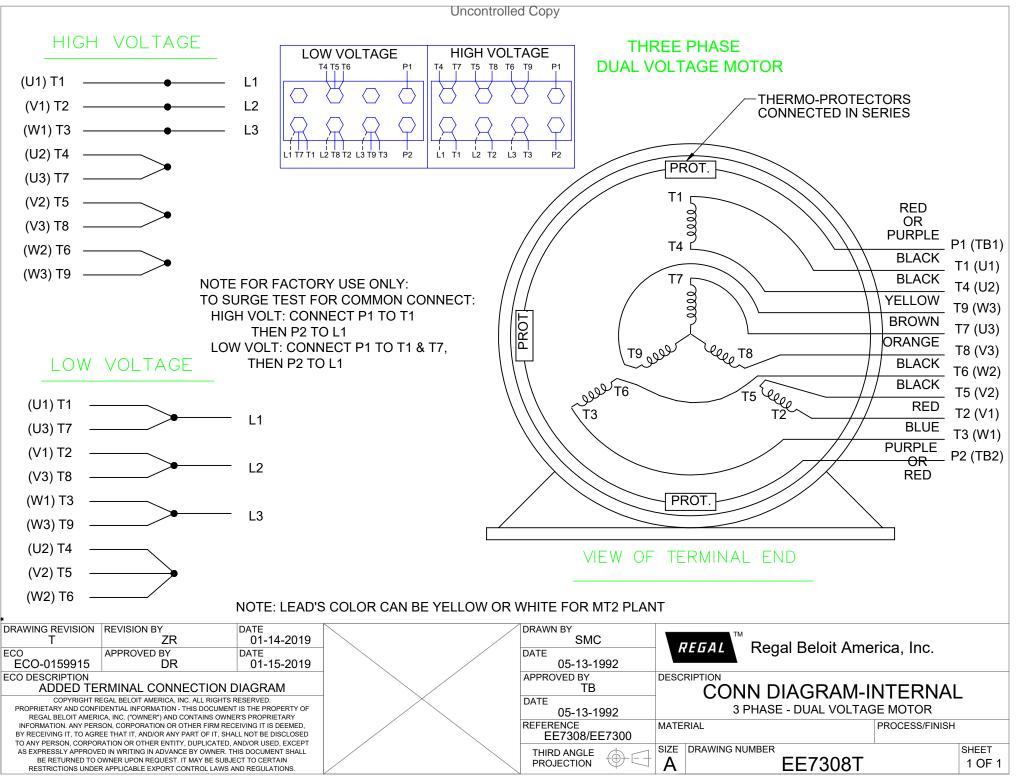
Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	230/460 V
Speed	1772 rpm	Service Factor	1
Frame	254TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	93 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	40.5/20.2 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	к
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
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	.44 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	31.53 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS203666-1050

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5 of 9

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CERTIFICATION DATA SHEET

Model#:	254THTNA8071 AB	WINDING#:	K2544153 R1 2
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS203666-1050		

TYPICAL MOTOR PERFORMANCE DATA

НР		кw		SYNC	. RPM		F.L. RPM	FRAN	ΛE	EN	CLOSUF	RE	KVA CO	DE	DESIGN
15		11.2		18	1800		1772	254T	254TC TENV		TENV	ĸ			INV
РН	н	Iz	VOL	.TS	FL AM	IPS	START TYPE	DUTY		INSL		S.F		AMB°C	ELEVATION
3	6	i0	230/-	460	40.5/2	20.2	INVERTER ONLY	CONTINU	ου	F3		1.0		40	3300
FULL LOAD		-i				D EFF: 91.7 AD PF: 53	GTD. EFF 91.7		ELEC. TYPE			NO LOAD AMPS TY 23.6 / 11.8			
F.L. TO			LOCI		O ROTOR AMPS								F.L	F.L. RISE°C	
44.5 LB-FT 310 / 155 120 LB-FT 270 180 LB-FT 404 95															
SOUND PRES @ 3 FT.	SURE	SOUN	D POWE	ER	ROTOR	R WK^2	MAX.	WK^2	SA	FE STALL	TIME		ARTS OUR	AI	PPROX. MOTOR WGT
62 dBA		7:	2 dBA		2.5 LB	-FT^2	- LB-I	-T^2		- SEC.			-		384 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
0.3213	0.23625	1.0395	1.41372	22.5477
RM	ZREF	XR	TD	TD0
2173.5	18.9	4.6	0.015	0.27

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE AND ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT	CAST IRON
6309	6309					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

If Inverter equals NONE, contact factory for further information

	internation
	INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
T E	ENCODER: PROVISIONS ONLY NORTHSTAR SL85 NONE NONE PPR
	BRAKE: REGAL SUPPLIED AND MOUNT NONE

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 STEARNS
 P/N
 66378-19

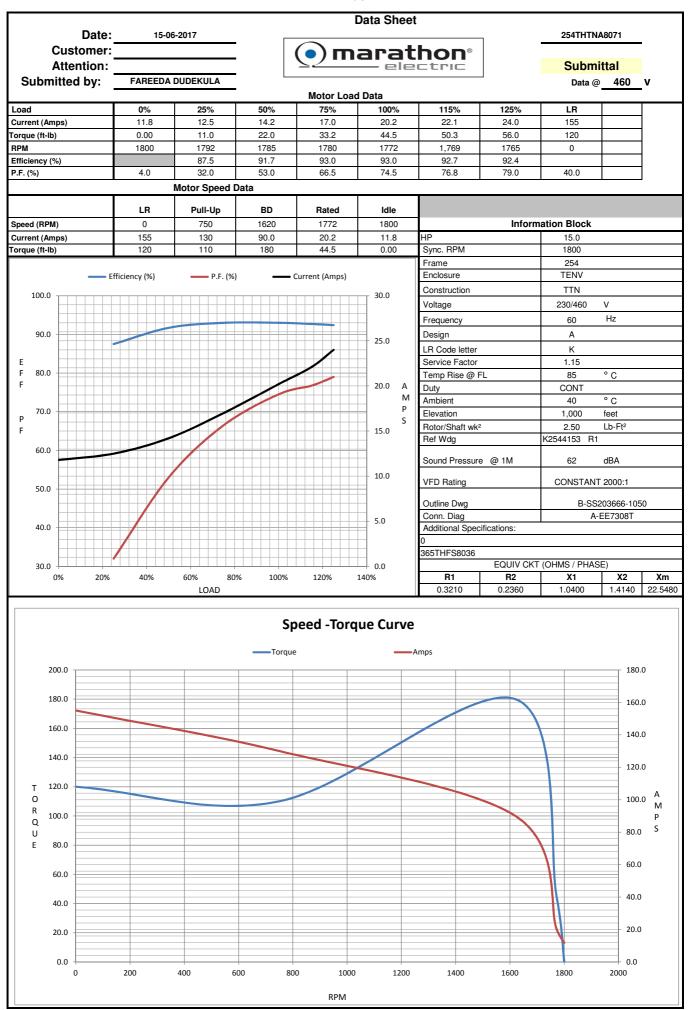
 87,000
 NEMA 2

 75
 FT-LB
 208-230/460-190/380 V

 60/50
 Hz

DATE: 06/21/2017 11:17:52 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

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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: 254THTNA8071

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

Catalog No : Y992

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