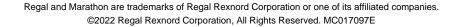
PRODUCT INFORMATION PACKET



Model No: 324THFPA8028 Catalog No: Y571

Blue Max® Inverter Duty Encoder Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 324T Frame, TEFC









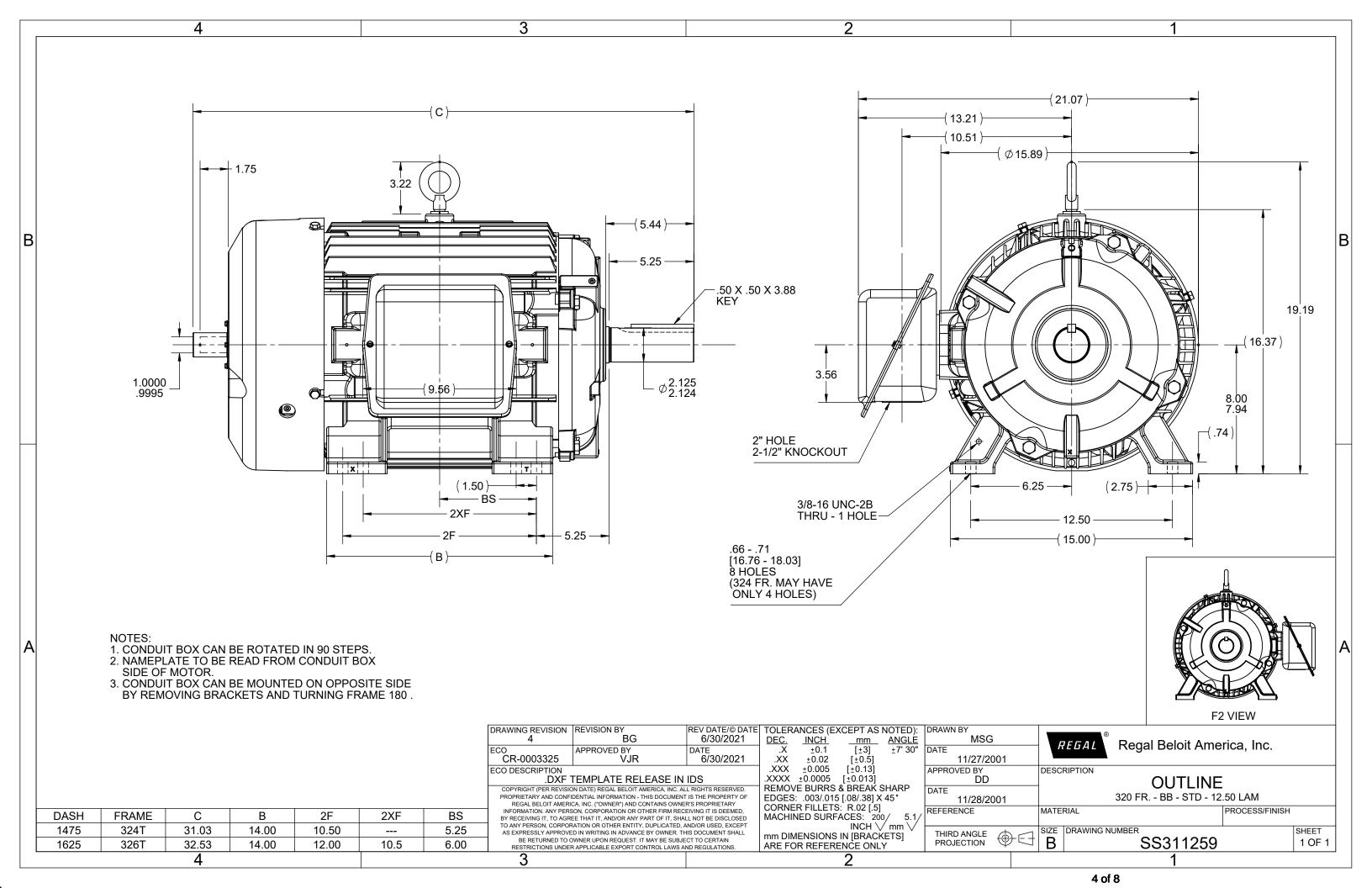
Nameplate Specifications

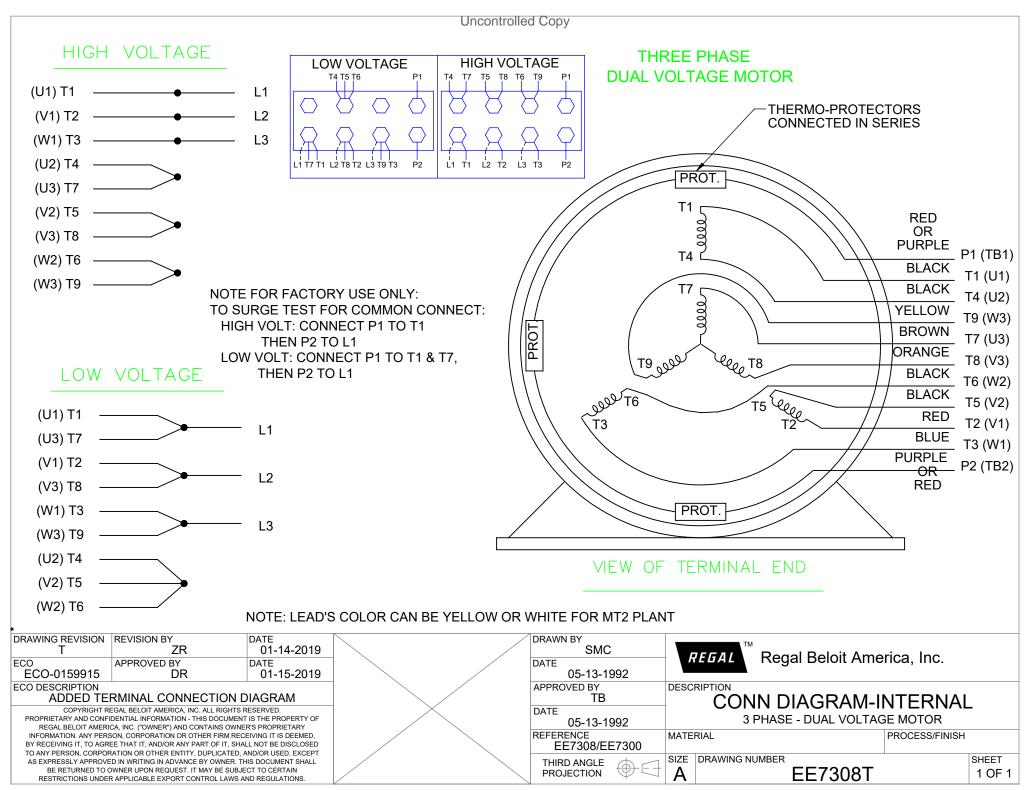
Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	100.0/50.0 A	Speed	1770 rpm
Service Factor	1	Phase	3
Efficiency	91.7 %	Power Factor	81.5
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	G
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
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	.124 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	31.03 in
Frame Length	14.75 in	Shaft Diameter	2.125 in
Shaft Extension	5.43 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Outline Drawing	B-SS311259-1475	Connection Drawing	A-EE7308T

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CUSTOMER:

ORDER #:



P.O. BOX 8003 **WAUSAU, WI 54401-8003** PH. 715-675-3311

CERTIFICATION DATA SHEET CUSTOMER PO#:

> **MODEL #:** 324THFPA8028 AC

CONN. DIAGRAM: A-EE7308T **OUTLINE:** B-SS311259-1475 **WINDING #:** K2864202 R2

CUSTOMER PART #: MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30.0	1800	1770	324T	TEFC	G	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	100/50	INVERTER ONLY	CONTINUOUS	H4	1.0	40

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 81.5	3/4 LOAD PF: 77	1/2 LOAD PF: 68	90.2	SQ CAGE INV DUTY

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
119 LB-FT	600 / 300	235 LB-FT 197 %	320 LB-FT 269 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 dBA	76 dba	4.7 LB-FT^2	- LB-FT^2	- SEC.		545 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAR	RINGS	CDEACE	CHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEY EM	T	NONE	NONE	1045 HOT BOLLED (C 204)	CACT IDON
6312	6311	POLYREX EM		NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

	THERMISTORS	CONTROL	SPACE HEATERS				
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE REATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS	

ENCODER PROVISIONS

ALUM GROUND RING BRKT ODE

NONE NONE PPR **BRAKE:** NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh Suddula **DATE:** 02/18/2019 01:01:40 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

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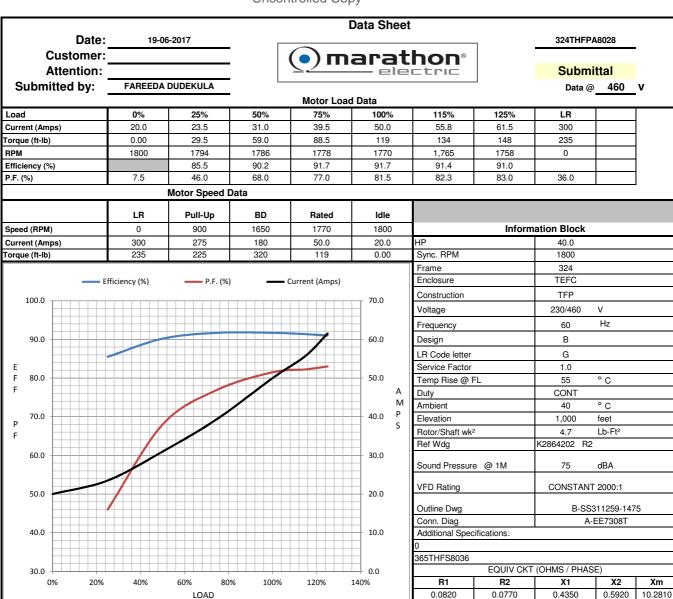
INVERTER TORQUE: CONSTANT 2000:1

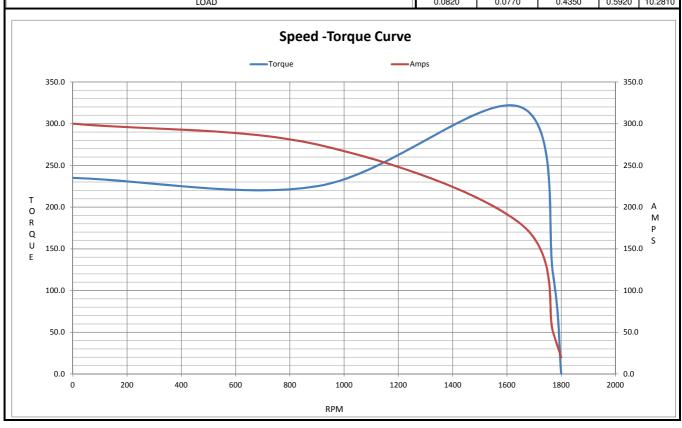
ENCODER: PROVISIONS ONLY

NONE

NONE

INV. HP SPEED RANGE: 1.5 X BASE SPEED







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: 324THFPA8028

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

Catalog No : Y571

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 09/01/2022

Julian Clark Marketing Engineer

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