# PRODUCT INFORMATION PACKET



Model No: 445TSTFN14014 Catalog No: Y1637

Fire Pump Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 445TS Frame, TEFC



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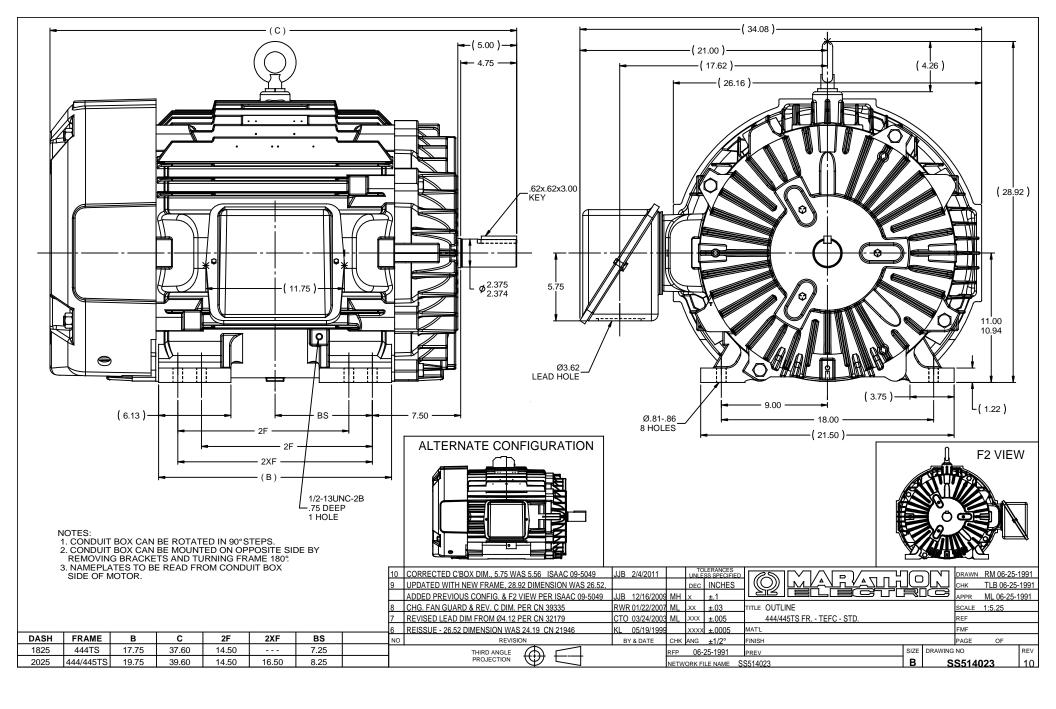
# Nameplate Specifications

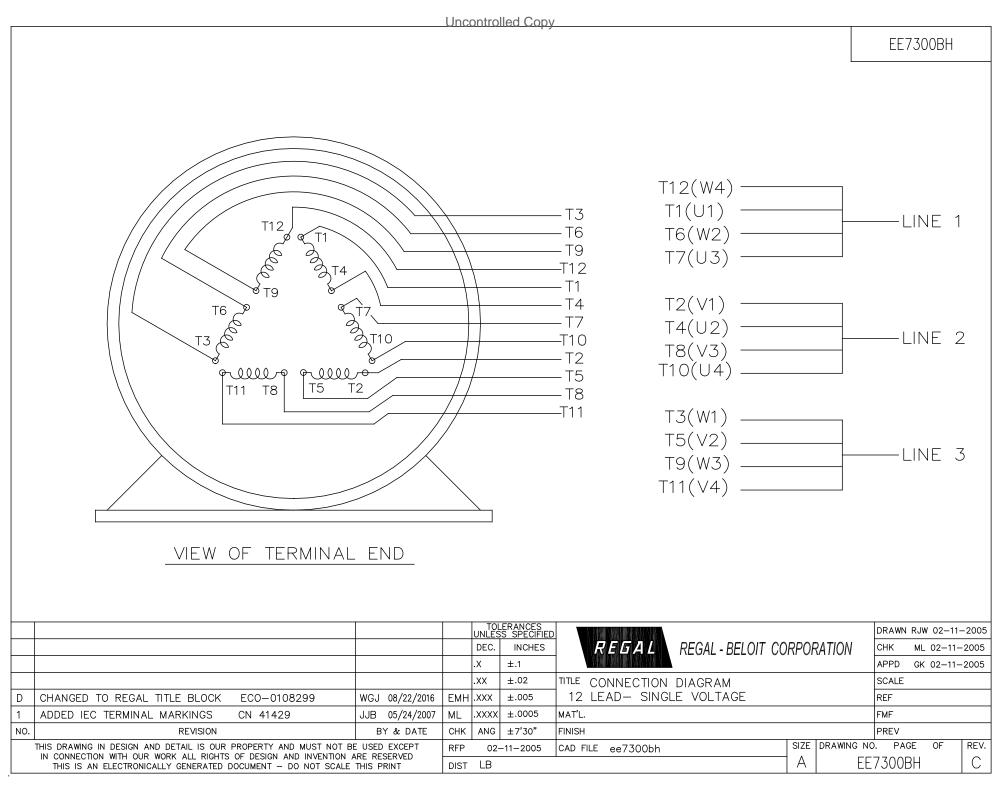
Phase	3 Output HP		200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	3572 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	220 & 205 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	No	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

# **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.014 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	39.60 in
Frame Length	20.25 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS514023-2025	Connection Drawing	A-EE7300BH

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#### **CERTIFICATION DATA SHEET**

445TSTFN14014 AA WINDING#: Model#: T445296 NONE 1 ASSEMBLY: CONN. DIAGRAM: A-EE7300BH F1/F2 CAPABLE

OUTLINE: B-SS514023-2025

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	,	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KVA CODE	DESIGN
200&150	149&1	12	;	3600	3572&2975	445TS	TEF	c	G	В
РН	Hz	VOI	LTS	FL AMPS	S START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#	#380	220&205	PWS &	CONTINUOU	F1	1.15/1.	.15 40	3300

FULL LOAD EFF: 95&94.5	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF:	3/4 LOAD PF: 87	1/2 LOAD PF: 81	94.1	SQ CAGE IND RUN	60

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
294 LB-FT	1400	425 LB-FT 145	775 LB-FT 264	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	32 LB-FT^2	160 LB-FT^2	15 SEC.	2	2250 LBS.

## \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT	CAST IRON
6313	6313					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

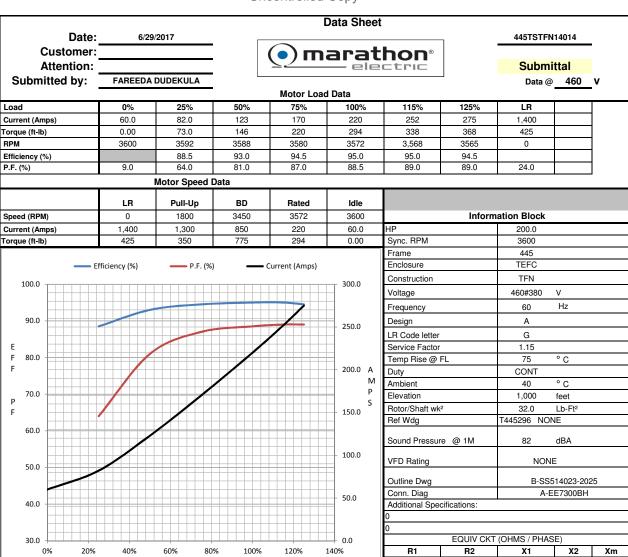
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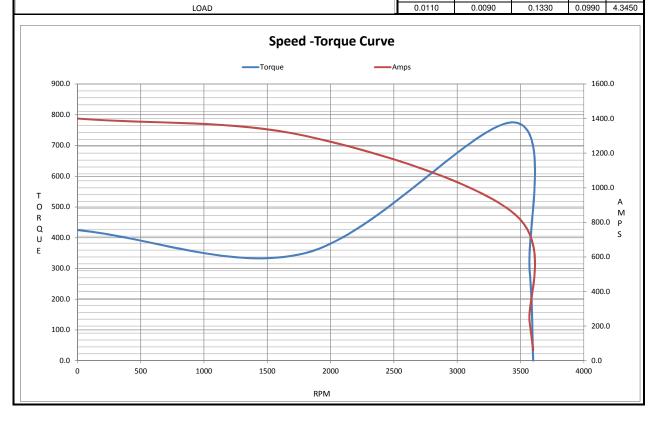
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<sup>\*\*</sup> Subject to change without notice.







# **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: 445TSTFN14014

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

Catalog No: Y1637

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:** 

J. Clux

Marketing Engineer

Julian Clark

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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