PRODUCT INFORMATION PACKET



Model No: 449TSTDN16040
Catalog No: U796
XRI® General Purpose General Purpose Motor, 450 & 350 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449TS Frame, DP



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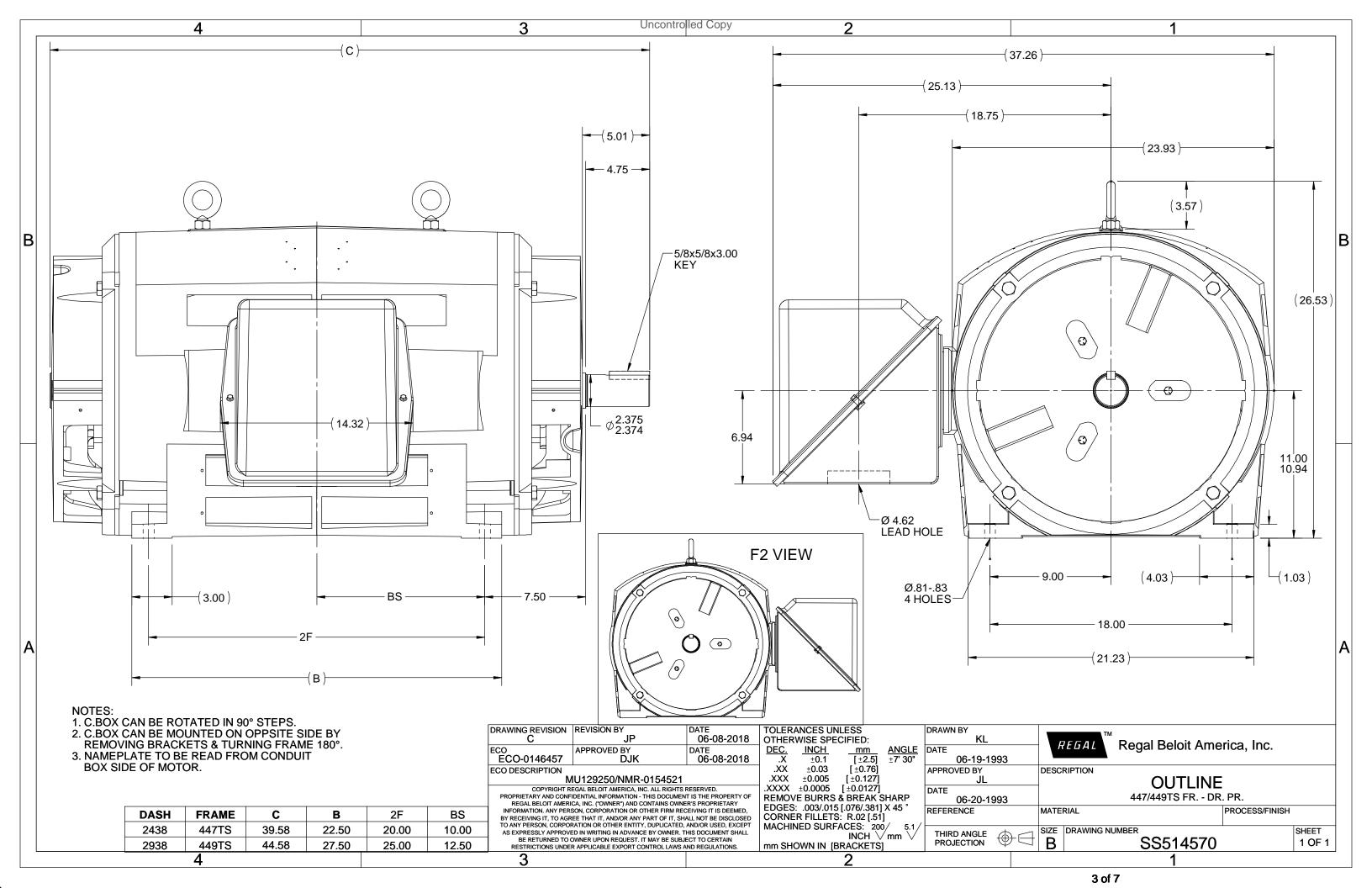
Nameplate Specifications

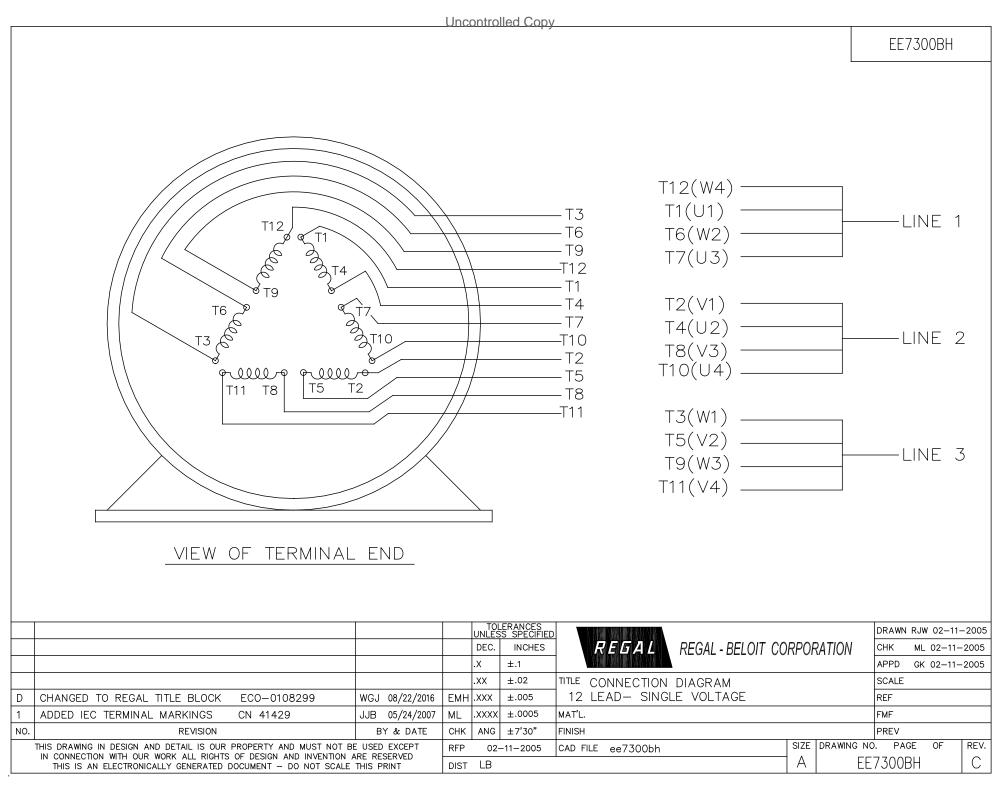
Phase	3	Output HP	450 & 350 Hp	
Output KW	340.0 & 260.0 kW	Voltage	460 & 380 V	
Speed	1782 & 1482 rpm	Service Factor	1.0 & 1.0	
Frame	449TS	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	96.2 & 95.8 %	
Ambient Temperature	50 °C	Frequency	60 & 50 Hz	
Current	505 & 475 A	Power Factor	86	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314	
UL	No	CSA	Υ	
CE	Υ	IP Code	12	
Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.008 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Overall Length	44.50 in
Frame Length	29.38 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300BH	Outline Drawing	B-SS514570-2938

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CERTIFICATION DATA SHEET

Model#: 449TSTDN16040 AA WINDING#: T4494183 NONE 1 CONN. DIAGRAM: A-EE7300BH ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS514570-2938

TYPICAL MOTOR PERFORMANCE DATA

	HP	KV	1	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KV	A CODE	DESIGN
	450&350	340&	260		1800	1782&1482	449TS	DI	>		F	В
,			,		1							
	PH	Hz	VO	LTS	FL AMPS	START TYPE	DUTY	INSL	s	.F	AMB°C	ELEVATION
	3	60/50	460#	#380	505&475	PWS &	CONTINUOU	F1	1.0	/1.0	50	3300
Į			J			YDRUN	S					

FULL LOAD EFF: 96.2&95.8	3/4 LOAD EFF: 96.5	1/2 LOAD EFF: 96.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86&86	3/4 LOAD PF: 84	1/2 LOAD PF: 77	95.8	SQ CAGE IND RUN	155

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1324 LB-FT	2950	2500 LB-FT 188	3000 LB-FT 234	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	92 LB-FT^2	1600 LB-FT^2	15 SEC.	1	2850 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	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	TS	NONE	NONE	1045 HOT	CAST IRON
6314	6314					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

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE

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

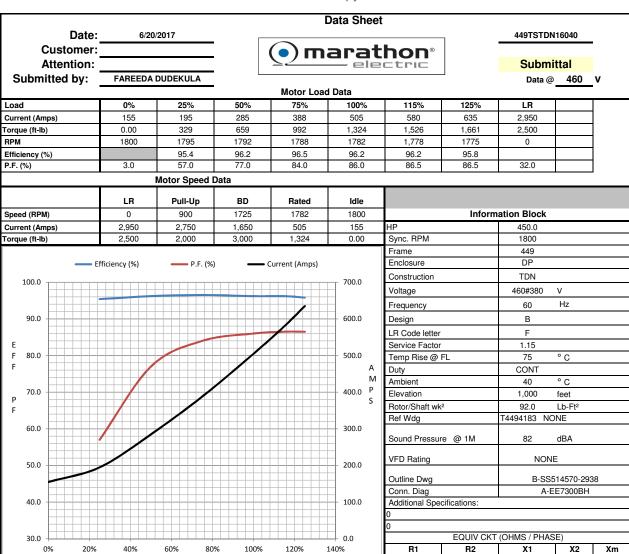
NONE FT-LB NONE V NONE Hz

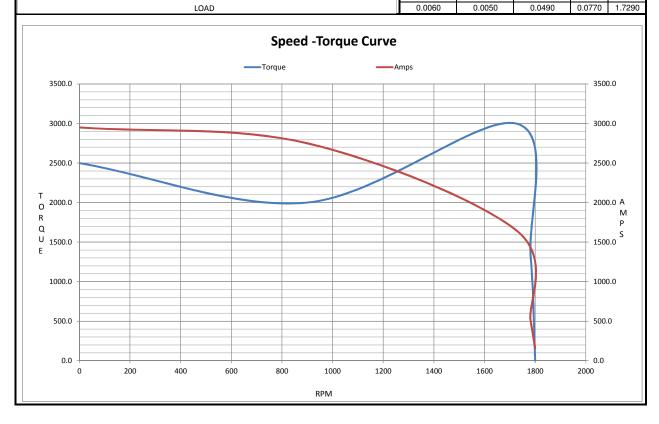
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> DATE: 06/21/2017 06:47:59 AM FORM 3531 REV.3 02/07/99

^{**} 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: 449TSTDN16040

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

Catalog No : U796

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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