PRODUCT INFORMATION PACKET

Model No: 449TSTDN16005 Catalog No: U797 General Purpose Motor, 500 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 449TS Frame, DP



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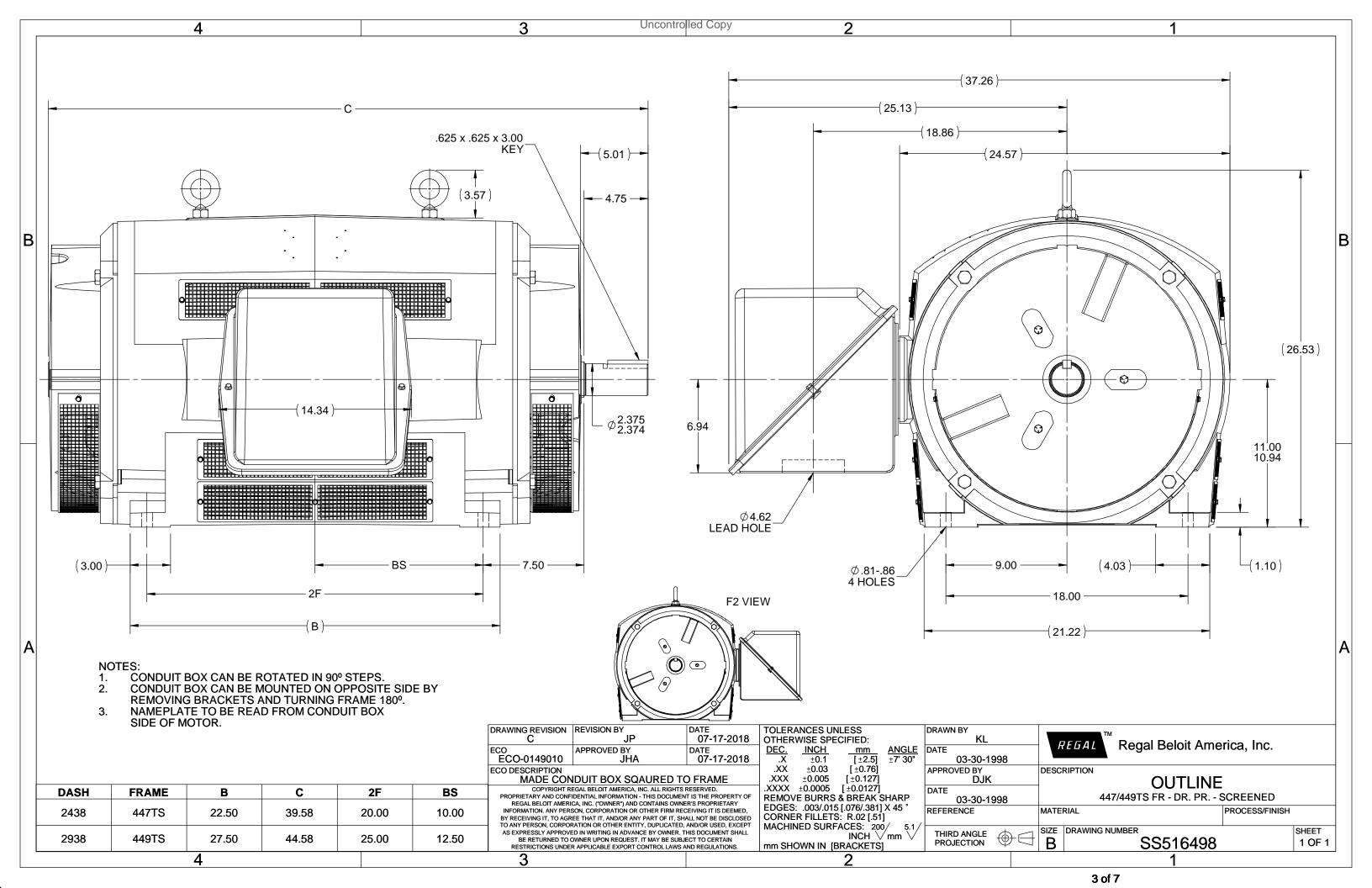
Nameplate Specifications

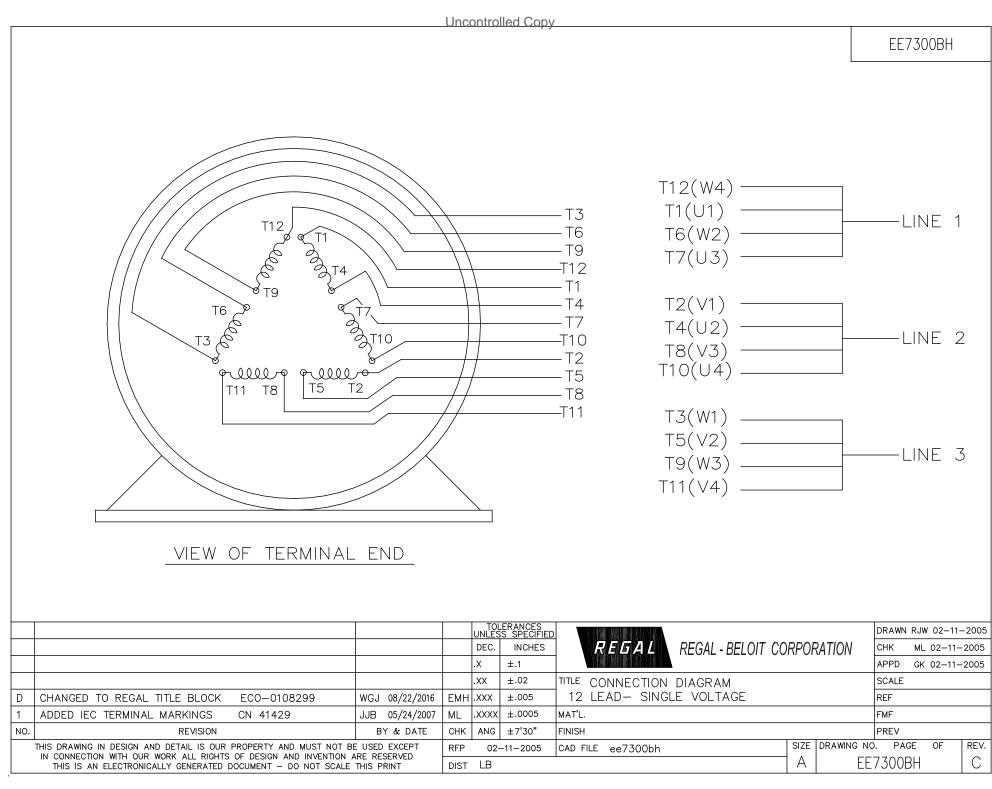
Output HP	500 Hp	Output KW	370.0 kW	
Frequency	60 Hz	Voltage	460 V	
Current	538.0 A	Speed	3572 rpm	
Service Factor	1.15	Phase	3	
Efficiency	96.2 %	Power Factor	90	
Duty	Continuous	Insulation Class	Н	
Design Code	В	KVA Code	F	
Frame	449TS	Enclosure	Drip Proof	
Thermal Protection	No Protection	Ambient Temperature	40 °C	
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314	
UL	Recognized	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	2	Rotation	Reversible
Resistance Main	.0076 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	44.50 in
Frame Length	29.38 in	Shaft Diameter	2.375 in
Shaft Extension	5.02 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS516498-2938	Connection Drawing	A-EE7300BH

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CERTIFICATION DATA SHEET

449TSTDN16005 CB WINDING#: T4492129 NONE 1 Model#: ASSEMBLY: CONN. DIAGRAM: A-EE7300BH F1/F2 CAPABLE

OUTLINE: B-SS516498-2938

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TYPICAL MOTOR PERFORMANCE DATA

HP	KW	'	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KV	A CODE	DESIGN
500&400	370&3	300	3600		3572&2972	449TSDF		, F		F	В
PH	Hz	VOI	LTS	FL AMPS	START TYPE	DUTY	INSL	S.F	:	AMB°C	ELEVATION
3	60/50	460#	#380	538&525	PWS &	CONTINUOU	H1	1.15/1	.15	40	3300
					YDRUN	S					

FULL LOAD EFF: 96.2&95.8	3/4 LOAD EFF: 96.2	1/2 LOAD EFF: 95.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&90	3/4 LOAD PF: 88	1/2 LOAD PF: 83	95.8	SQ CAGE IND RUN	135

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
735 LB-FT	3250	1075 LB-FT 145	1800 LB-FT 250	70	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
85 dBA	95 dBA	51 LB-FT^2	200 LB-FT^2	10 SEC.	1	2700 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	HAFT TYPE SPECIAL DE		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 information

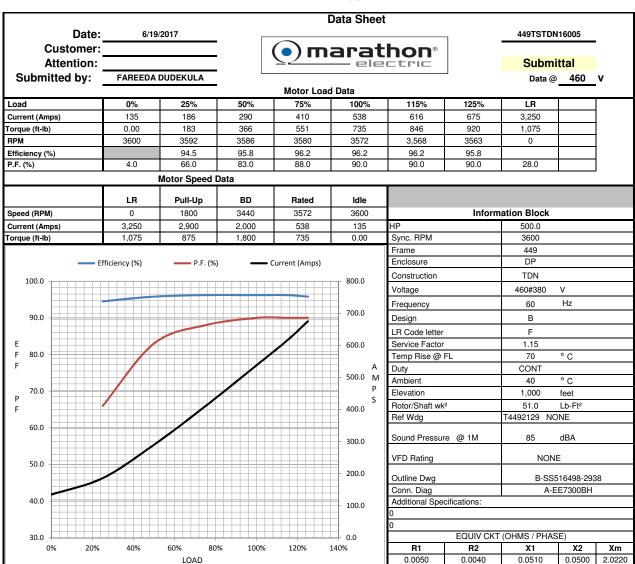
INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE

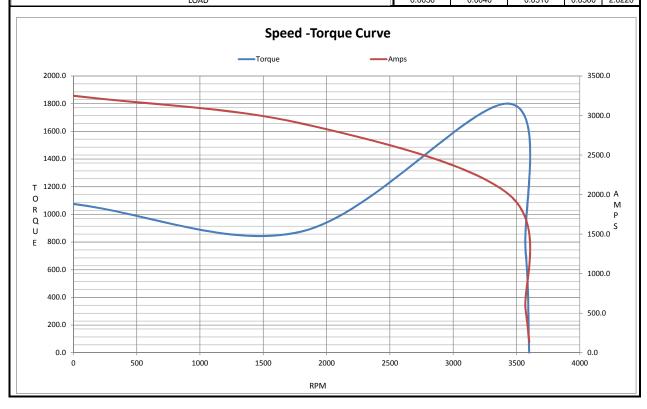
NONE NONE PPR BRAKE: NONE NONE

NONE V NONE Hz

NONE P/N NONE NONE NONE NONE FT-LB

DATE: 06/21/2017 06:47:25 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: 449TSTDN16005

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

Catalog No : U797

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

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology Julian Clark Marketing Engineer

Created on 09/01/2022

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