PRODUCT INFORMATION PACKET



Model No: 449TSTDN14005 Catalog No: H819A

Fire Pump Motor, 500 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 449TS Frame, DP



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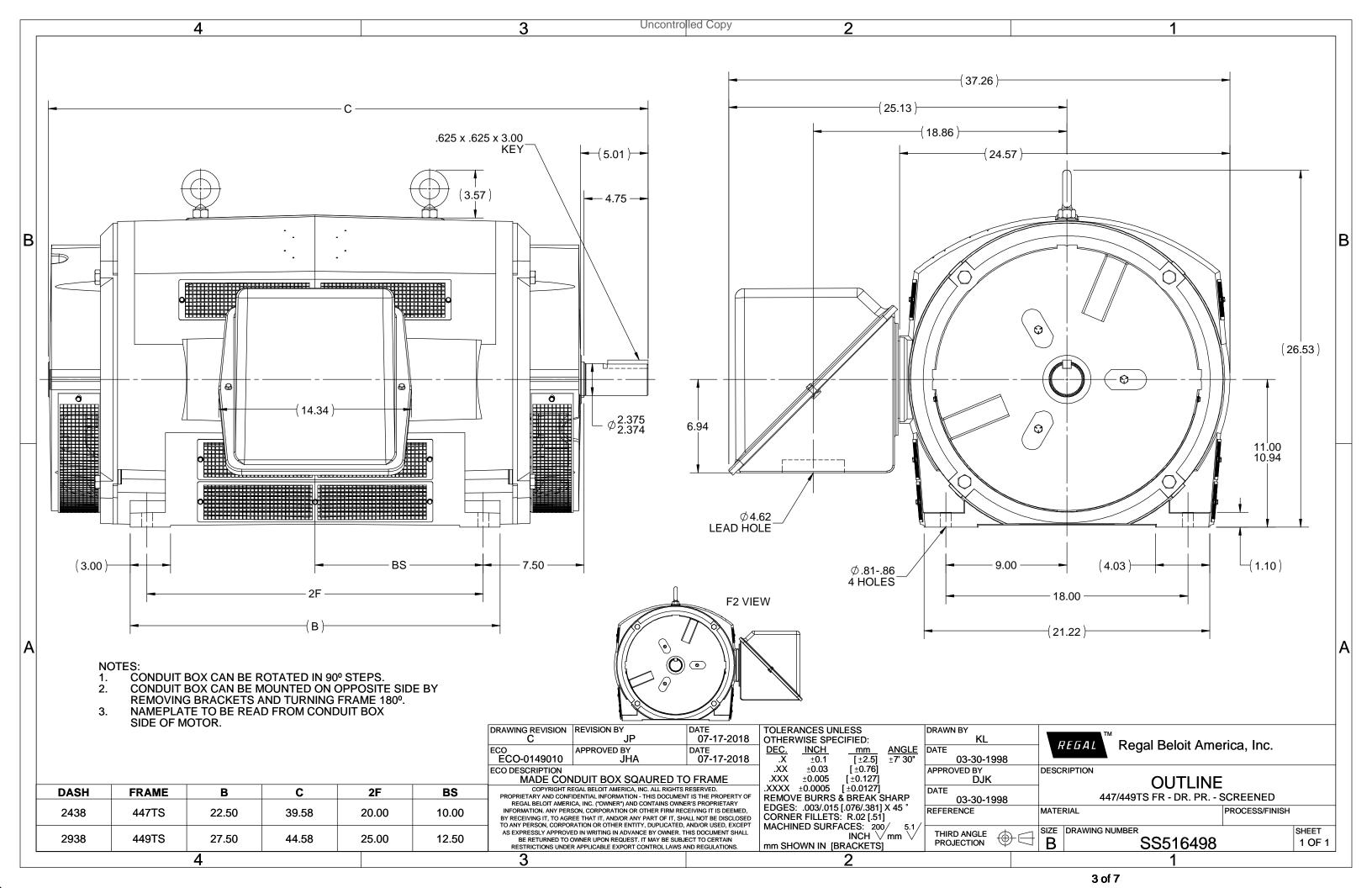
Nameplate Specifications

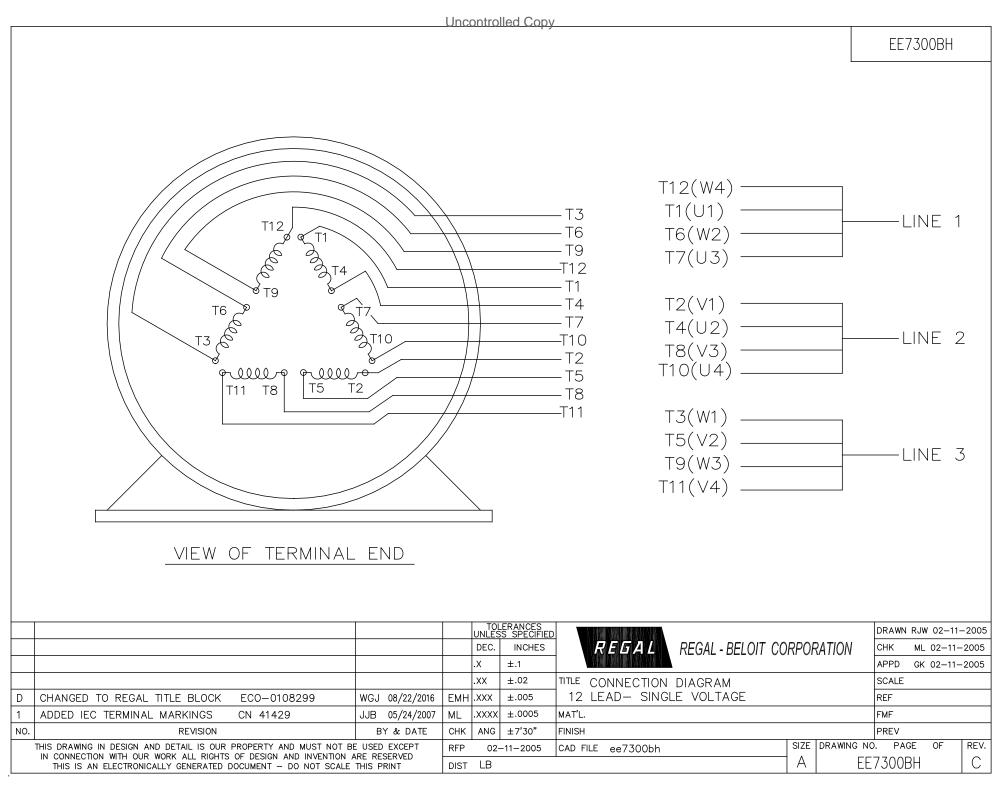
Phase	3 Output HP		500 & 400 Hp
Output KW	370.0 & 300.0 kW	Voltage	460 & 380 V
Speed	3575 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	449TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 & 95.4 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	546 & 525 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Listed	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	тѕ	Overall Length	44.58 in
Frame Length	29.38 in	Shaft Diameter	2.375 in
Shaft Extension	5.01 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS516498-2938	Connection Drawing	A-EE7300BH

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CERTIFICATION DATA SHEET

 Model#:
 449TSTDN14005 AA
 WINDING#:
 T449276 NONE 1

 CONN. DIAGRAM:
 A-EE7300BH
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS516498-2938

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	,]	SYN	C. RPM	F.L. RPM	FRAME	ENCLOS	SURE K	VA CODE	DESIGN
500&400	370&3	300	3	8600	3575&2975	449TS	DP		G	В
PH	Hz	VOL	TS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#3	380	546&525	PWS &	CONTINUOU	F1	1.15/1.15	50	3300
					YDRIIN	9				1

FULL LOAD EFF: 95.8&95.4	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&90	3/4 LOAD PF: 88	1/2 LOAD PF: 82.5	95.4	SQ CAGE IND RUN	143

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
735 LB-FT	3625	1280 LB-FT 136	1980 LB-FT 272	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	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
6314	6314					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	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

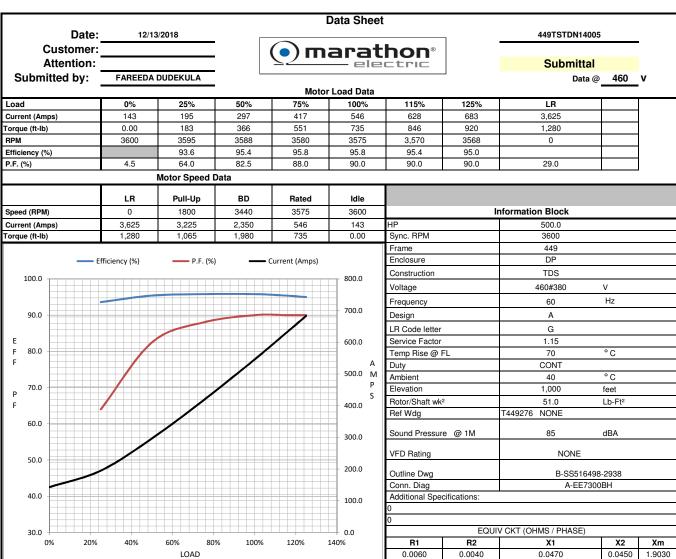
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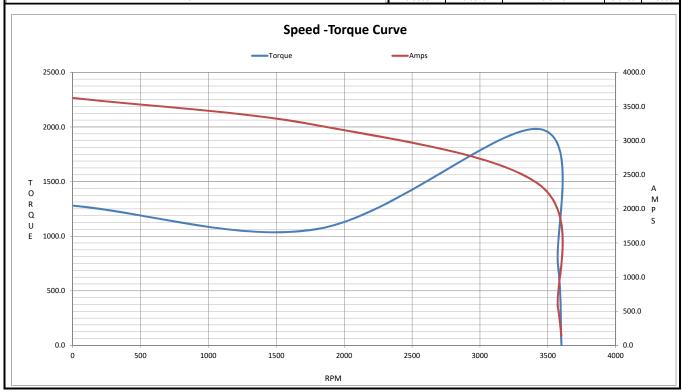
BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/21/2017 06:44:53 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: 449TSTDN14005

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

Catalog No: H819A

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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