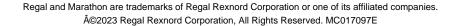
PRODUCT INFORMATION PACKET



Model No: 449TSTDN7027 Catalog No: H816

Fire Pump Motor, 500 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449TS Frame, DP







Product Information Packet: Model No: 449TSTDN7027, Catalog No:H816 Fire Pump Motor, 500 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449TS Frame, DP



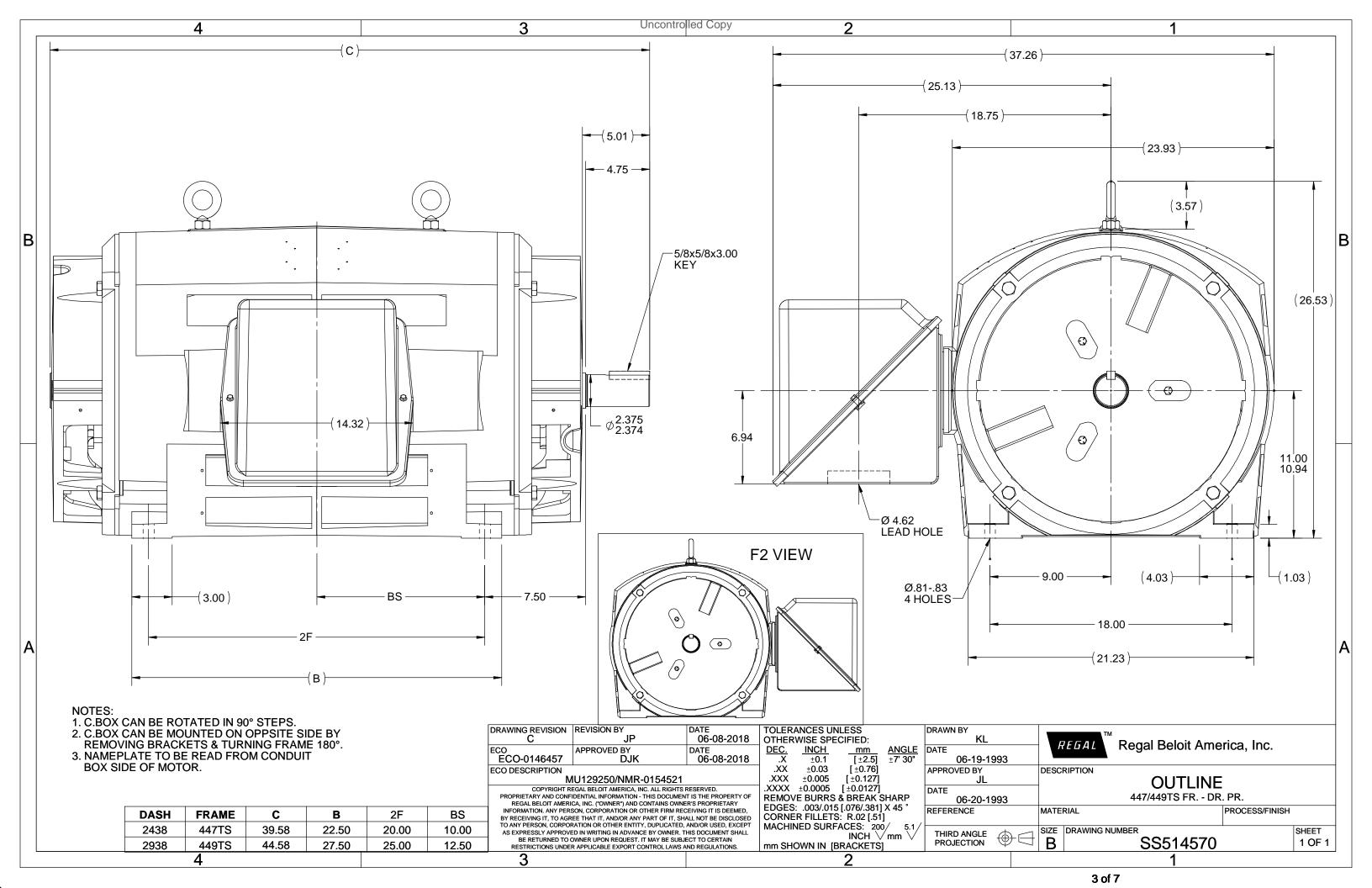
Nameplate Specifications

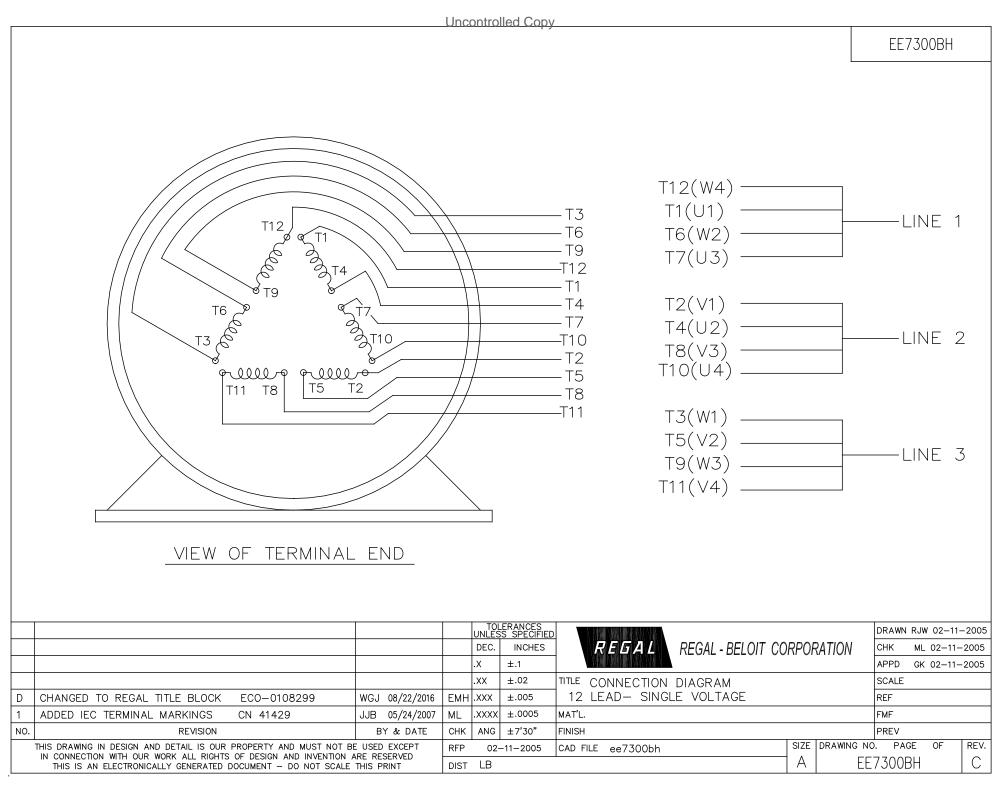
Phase	3	Output HP	500 & 400 Hp
Output KW	370.0 & 300.0 kW	Voltage	460 & 380 V
Speed	1782 & 1480 rpm	Service Factor	1.0 & 1.0
Frame	449TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.8 & 95.4 %
Ambient Temperature	50 ℃	Frequency	60 & 50 Hz
Current	560 & 540 A	Power Factor	87
Duty	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	4	Rotation	Reversible
Resistance Main	.00755 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	44.58 in
Frame Length	29.38 in	Shaft Diameter	2.375 in
Shaft Extension	5.00 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS514570-2938	Connection Drawing	A-EE7300BH

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CERTIFICATION DATA SHEET

449TSTDN7027 CD WINDING#: T449439 NONE 3 Model#: ASSEMBLY: CONN. DIAGRAM: A-EE7300BH F1/F2 CAPABLE

YDRUN

OUTLINE: B-SS514570-2938

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TYPICAL MOTOR PERFORMANCE DATA

НР	KW		SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA	CODE	DESIGN
500&400	370&3	00		1800	1782&1480	449TS	DP			G	В
PH	Hz	VOI	LTS	FL AMPS	START TYPE	DUTY	INSL	S.F	-	AMB°C	ELEVATION
3	60/50	460#	4 380	560&540	PWS &	CONTINUOU	F1	1.0/1	.0	50	3300

FULL LOAD EFF: 95.8&95.4	3/4 LOAD EFF: 96.2	1/2 LOAD EFF: 96.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
EIII I OAD DE: 97896	2/4 L OAD DE: 95	1/2 L OAD BE: 70	95	SO CAGE IND BLIN	155

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
1474 LB-FT	3600	2550 LB-FT 173	3500 LB-FT 237	80	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	89 LB-FT^2	1900 LB-FT^2	15 SEC.	1	2800 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	IERMOSTATS PROTECTORS WDG RTDs		BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

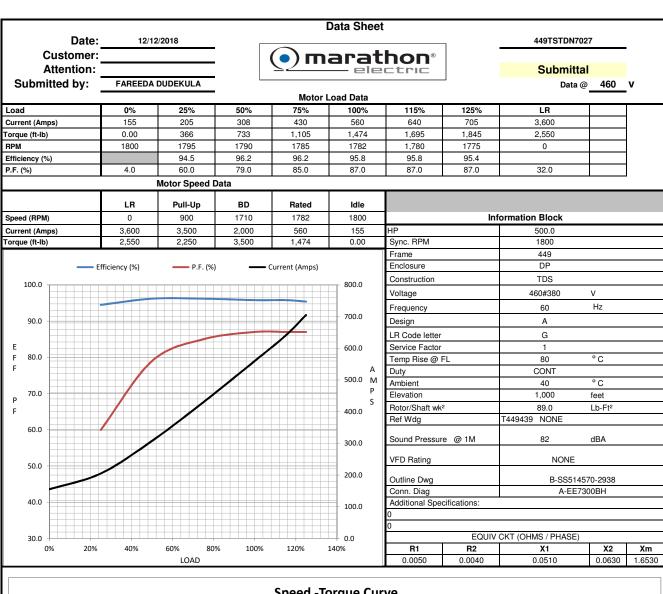
INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

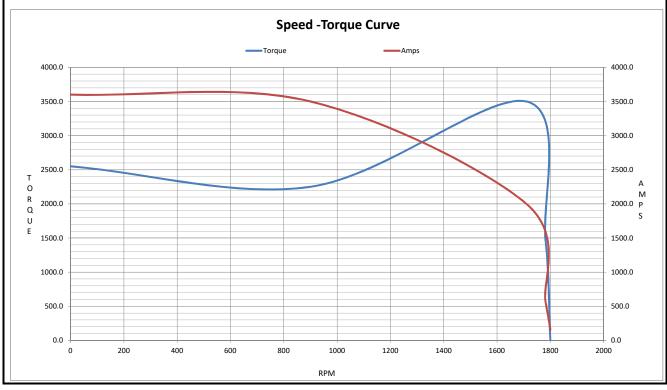
ENCODER: NONE NONE NONE NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

DATE: 06/21/2017 06:49:47 AM FORM 3531 REV.3 02/07/99







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: 449TSTDN7027

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

Catalog No: H816 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:

Authorized Representative in the Community: J. cerse

Marketing Engineer

Julian Clark

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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