PRODUCT INFORMATION PACKET



Model No: 449TSTFS14040
Catalog No: Y1641
250 HP, Fire Pump Motors, 3 phase, 1800 RPM, 460 V,449TS Frame, TEFC
Fire Pump Motors



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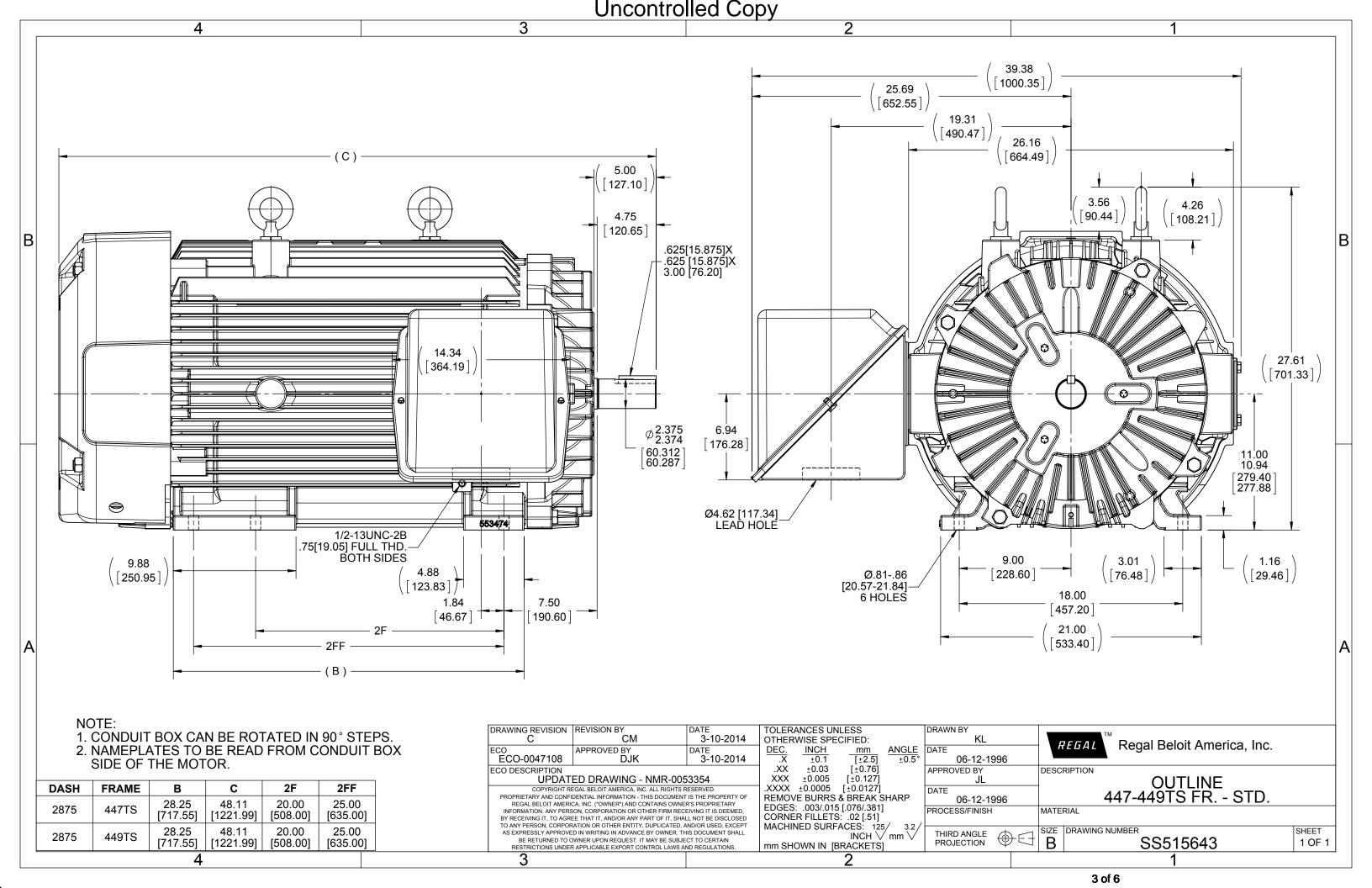
Nameplate Specifications

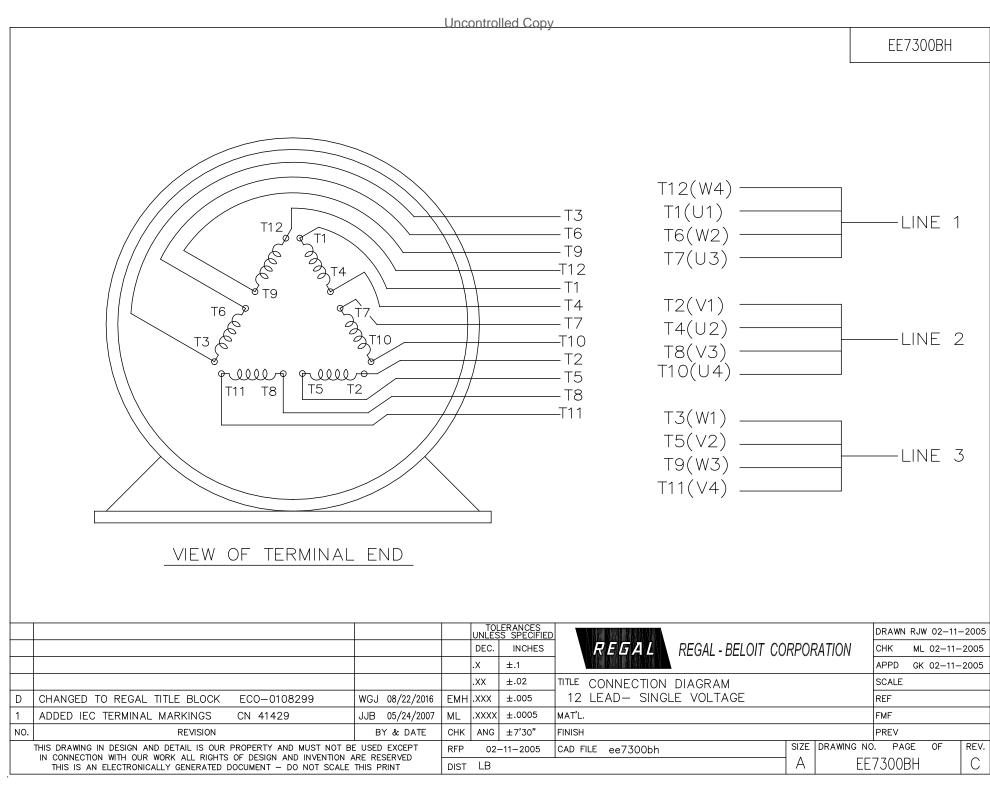
Output HP	250 Hp	Output KW	187.0 kW
Frequency	60 Hz	Voltage	460 V
Current	285.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	449TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	No	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type Squirrel Cage Induction Ru		Starting Method	Part Wdg Start & Wye Start Delta Run		
Poles	4	Rotation	Reversible		
Resistance Main	.0107 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	48.11 in		
Frame Length	28.75 in	Shaft Diameter	2.375 in		
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS515643-2875	Connection Drawing	A-EE7300BH		

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CERTIFICATION DATA SHEET

 Model#:
 449TSTFS14040 AA
 WINDING#:
 T4494121 NONE 1

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

OUTLINE: B-SS515643-2875

TYPICAL MOTOR PERFORMANCE DATA

Į	HP	KW		SYN	C. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN	
	250 187			1800		1785	447/449TS	TEF	TEFC		G	В	
		í											
	PH	Hz	VOLT	гs	FL AMPS	START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION	
	3	60	460)	285	PWS &	CONTINUOU	F1	1.1	5	40	3300	
						YDRUN	S						

FULL LOAD EFF: 95.4 3/4 LOAD EFF: 95		1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS	
FULL LOAD PF: 86	3/4 LOAD PF: 84	1/2 LOAD PF: 77.5	94.5	SQ CAGE IND RUN	85	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
735 LB-FT	1825	1500 LB-FT 204	1775 LB-FT 241	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	81 LB-FT^2	1500 LB-FT^2	25 SEC.	1	2700 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
6318	6316					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

* N O T E

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