PRODUCT INFORMATION PACKET



Model No: 449TSTDN16041
Catalog No: U499
XRI® General Purpose General Purpose Motor, 500 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449TS Frame, DP



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 449TSTDN16041, Catalog No:U499 XRI® General Purpose General Purpose Motor, 500 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449TS Frame, DP



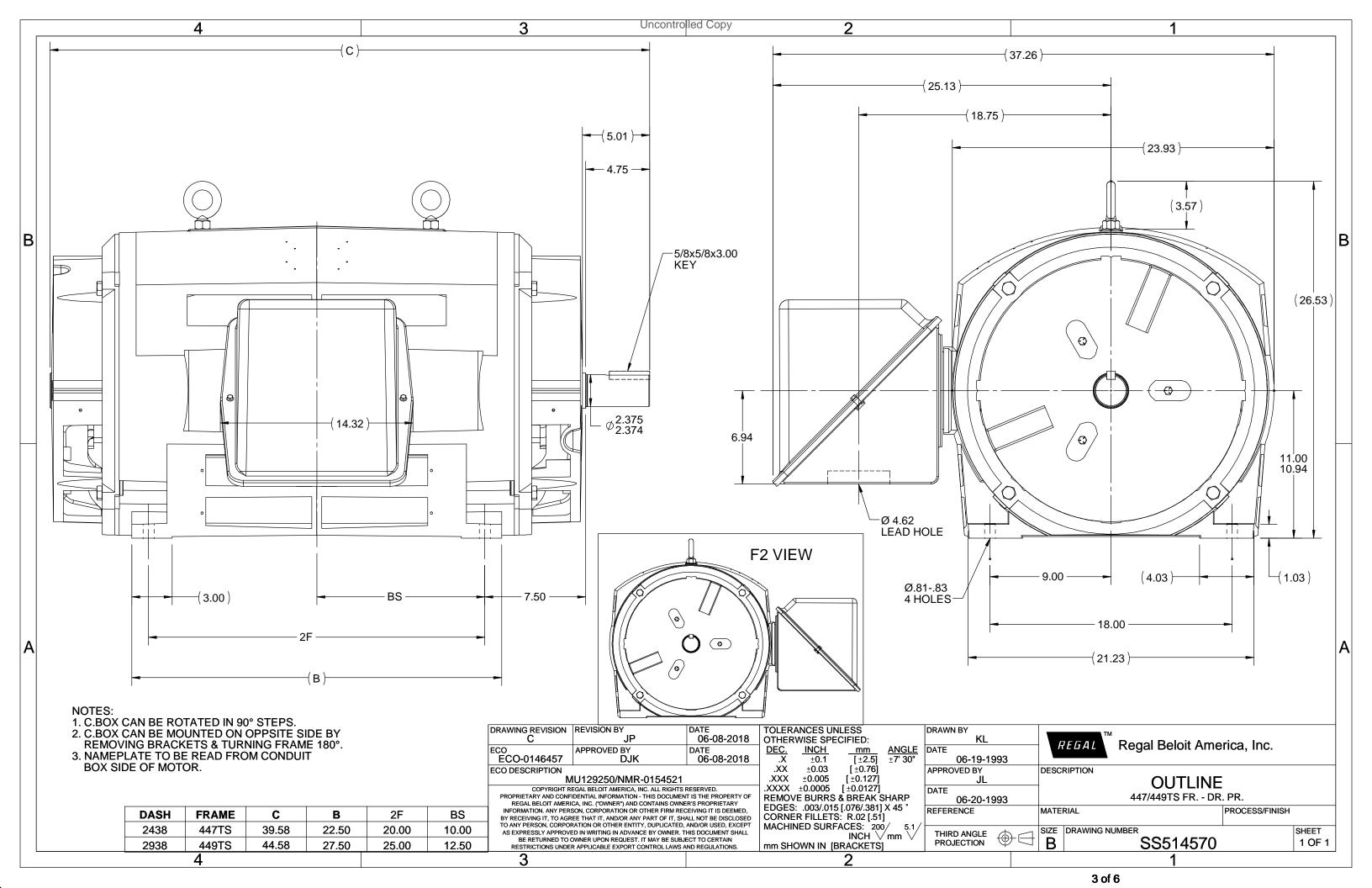
Nameplate Specifications

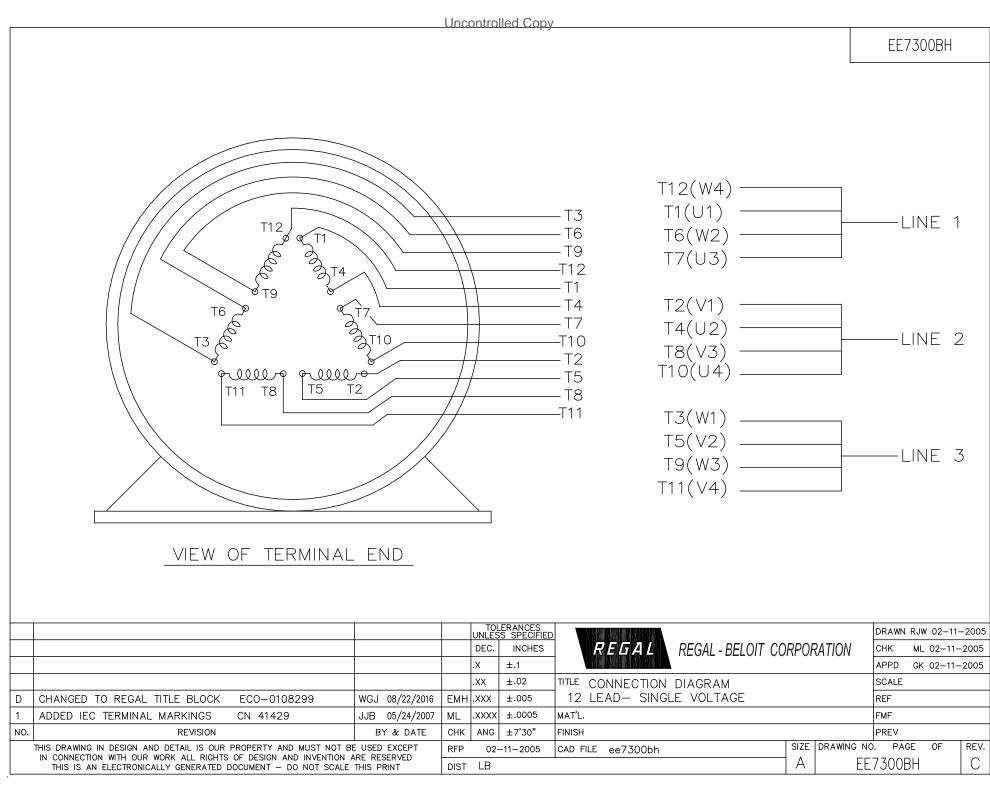
Phase	3	Output HP	500 & 400 Hp
Output KW	370.0 & 300.0 kW	Voltage	460 & 380 V
Speed	1780 & 1478 rpm	Service Factor	1.0 & 1.0
Frame	449TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	96.2 & 95.4 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	570 & 550 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	E
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	TS	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

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023





CERTIFICATION DATA SHEET

449TSTDN16041 AA WINDING#: T4494165 NONE 1 Model#: CONN. DIAGRAM: A-EE7300BH ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS514570-2938

Ν

0

Т

Е

S

TYPICAL MOTOR PERFORMANCE DATA

	HP		(W	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
	500&400	<u>\$400</u> 370&300 1800		1800	1780&1478	449TS	DP	DP		E	В	
	PH	Hz	VO	LTS	FL AMPS	START TYPE	DUTY	INSL	S.I	=	AMB°C	ELEVATION
İ	3	60/50		#380	570&550	PWS &	CONTINUOU	F1	1.0/1		50	3300
						YDRUN	S					

FULL LOAD EFF: 96.2&95.4	3/4 LOAD EFF: 96.2	1/2 LOAD EFF: 95.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86&86	3/4 LOAD PF: 85	1/2 LOAD PF: 78	95.4	SQ CAGE IND RUN	160

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
1475 LB-FT	3175	2675 LB-FT 180	3300 LB-FT 222	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	1900 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	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

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 06:48:35 AM FORM 3531 REV.3 02/07/99

