# PRODUCT INFORMATION PACKET

Model No: 324THFS9080
Catalog No: W563
Severe Duty Motors, TEFC, 25 HP, 3 Ph, 60 Hz, 575 V, 1182 RPM, 324T Frame



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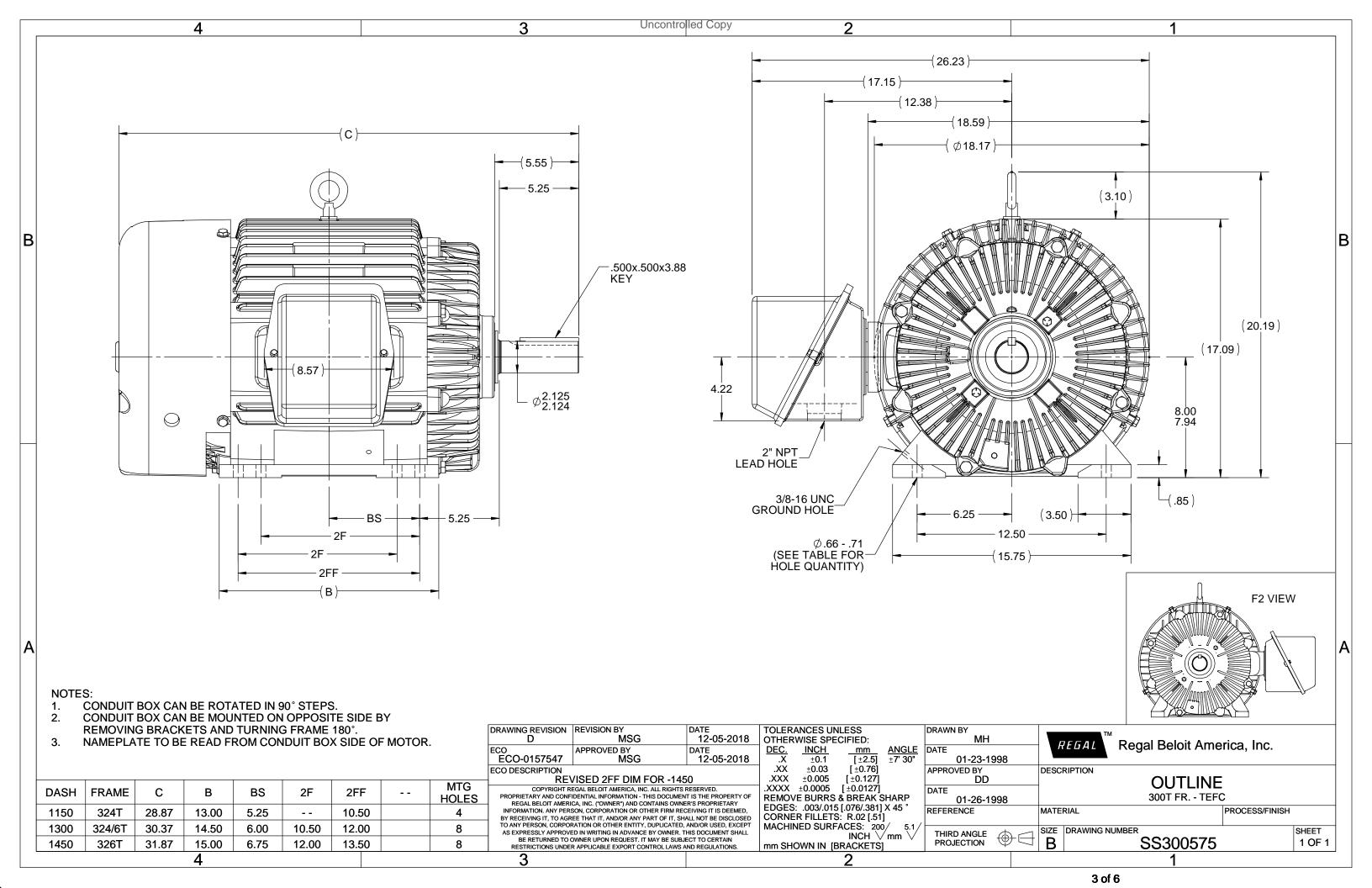
## Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	26.0 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1		

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.255 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	28.87 in
Frame Length	11.50 in	Shaft Diameter	2.125 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS300575-1150	Connection Drawing	A-EE7300

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#### **CERTIFICATION DATA SHEET**

324THFS9080 AA WINDING#: 324679 NONE 2 Model#: ASSEMBLY: CONN. DIAGRAM: A-EE7300 F1/F2 CAPABLE

OUTLINE: B-SS300575-1150

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#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	KW		SYNC	C. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
25	18.7	18.7 1200		200	1182	324T	TEF	TEFC		G	В
	<b></b>	1			7			1		,	¬
PH	Hz	VOLT	rs	FL AMPS	START TYPE	DUTY	INSL	S.I	=	AMB°C	ELEVATION
3	60	575		26	LINE OR	CONTINUOU	F3	1.1	5	40	3300
					INVERTER	S					

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78	3/4 LOAD PF: 73	1/2 LOAD PF: 63	92.4	SQ CAGE INV RATED	11.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
112 LB-FT	145.6	175 LB-FT 156	300 LB-FT 268	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	8.5 LB-FT^2	425 LB-FT^2	20 SEC.	2	650 LBS.

#### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6312	6311					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: CONSTANT 20:1 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

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