# PRODUCT INFORMATION PACKET



Model No: 324TTFS16860
Catalog No: E624-P
O HP Severe Duty Motor, 3 phase, 1800 RPM, 460

40 HP Severe Duty Motor, 3 phase, 1800 RPM, 460 V, 324T Frame, TEFC

Severe Duty Motors



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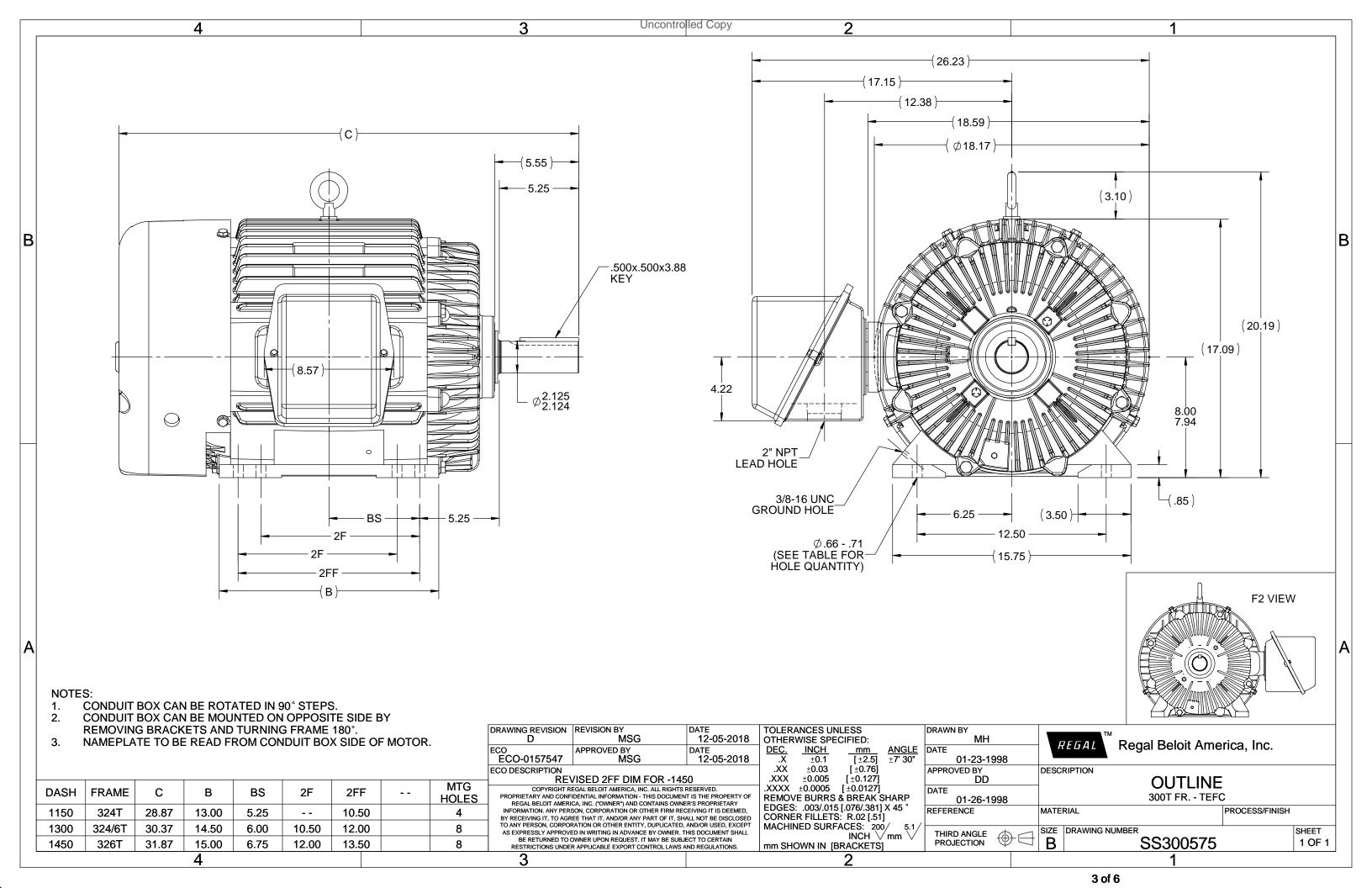
## Nameplate Specifications

Output HP 40 Hp Output KW		Output KW	30.0 kW
Frequency	60 Hz	Voltage	460 V
Current	47.5 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Υ
CE	Υ	IP Code	54
Number of Speeds	1		

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.135 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	30.37 in
Frame Length	13.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	CONSTANT 10:1		
Connection Drawing	EE7300	Outline Drawing	SS300575-1300

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#### **CERTIFICATION DATA SHEET**

 Model#:
 324TTF\$16860 AN
 WINDING#:
 K3244127 NONE 2

 CONN. DIAGRAM:
 EE7300
 ASSEMBLY:
 F1/F2 CAPABLE

**OUTLINE**: \$\$300575-1300

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

HP		(W	SYN	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA	CODE	DESIGN
40		30	1800		1780	324T	TEF	c	G		В
РН	Hz	vc	DLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	:	AMB°C	ELEVATION
3	60	4	60	47.5	LINE OR	CONTINUOU	F3	1.1	5	40	3300

FULL LOAD EFF: 94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: 79.5	1/2 LOAD PF: 71	93.6	SQ CAGE INV RATED	17.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
118 LB-FT	290	218 LB-FT 185	305 LB-FT 258	65	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	8.8 LB-FT^2	275 LB-FT^2	25 SEC.	2	700 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	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 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED

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 S

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