## **PRODUCT INFORMATION PACKET**

Model No: 256THFCD9076 Catalog No: W541A Severe Duty Motors, TEFC, 10 HP, 3 Ph, 60 Hz, 460 V, 1180 RPM, 256T Frame



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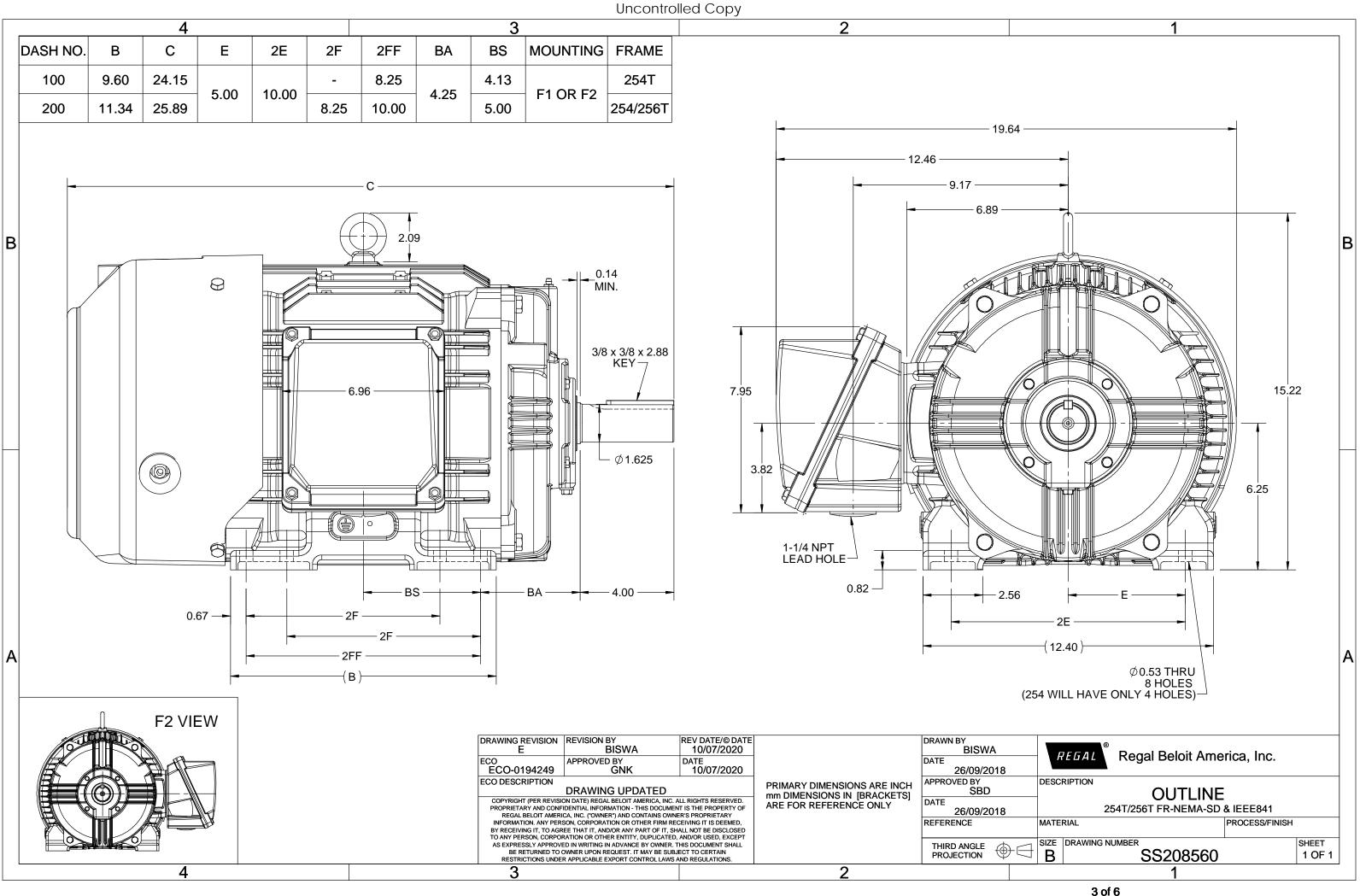
## Nameplate Specifications

Output HP	10 Нр	Output KW	7.5 kW			
Frequency	60 Hz	Voltage	460 V			
Current	12.9 A	Speed	1180 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91 %	Power Factor	80.5			
Duty	Continuous	Insulation Class	Н			
Design Code	В	KVA Code	G			
Frame	256T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209			
UL	Listed	CSA	Y			
CE	Υ	IP Code	56			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.21 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS208560-200	Connection Drawing	EE7300

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				ma	га	Motors				DATA VOLTS:	460		
					CER	TIFICATION DATA S	HEET						
						F	REFERENC		256THFCD907			_	
CONN. DI DUTLINE		EE7300 SS208560				<b>CAT #:</b> W541A							
WINDING	:	HA316060	006 NONE	4					F1/F2 CAPABL	LE			
					PICAL	MOTOR PERFORMA							
HP	KW	SYNC RPM	FL R			FRAME ENCLOSURE			TYPE			DESIG	
10	7.5	1200	118	30		256T		TEFC	TFC	G		В	
PH	HZ	VOLTS	AM	PS		START TYPE	[	DUTY	INSL	S.F.	AMB (° C)	ELEV.	
3	60	460	12.			LINE OR INVERTER		CONT	Н	1.15	40	3300	
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	89.5	GTD EFF	1	ELECT. T	YPE		
	F.L. PF	80.5	3/4 LD PF	75.0		1/2 LD PF	64.0	90.2		SQ CAGE INV			
EL T	ORQUE	LR AM	PS		L.R. TORQUE		B.D. TORQUE		UF	F.L. RISE (° C)			
	LB-FT	78.		95.0	LB-FT	213%	125	LB-FT	281%	55			
SOUND F	PRESSURE	SOUND	ROTOR	R WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	START	S/HOUR	AP	ROX.	
56	dBA	65 <b>dBA</b>		LB-FT <sup>2</sup>	200	LB-FT <sup>2</sup>	20	SEC.		2	319	LB.	
					*** SU	PLEMENTAL INFORMA		*					
		ODE BRACKET			TOR	SEVERE DUTY	HAZ	ARDOUS	DRIP COVER	SCREENS			
DE BRACKET TYPE STANDARD		TYPE STANDARD	RIGID		ONTAL	PREMIUM SEVERE DUTY		CATION ION 2 T2B	NO	NONE	PAINT BLUE (EPOXY)		
BFA	RINGS								1		1		
DE	ODE	GREASE	SHAFT	SHAFT TYPE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL FRAME MATE		ATERIA	
BALL 6309	BALL 6209	POLYREX EM	т			NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
											SP	ACE	
THERMOSTATS		PROTECTORS			D's BRG RTD's		THERMISTORS		CONTROL		HEATERS		
N	ONE	NOT	NOM	NE		NONE	١	IONE	FA	LSE	1	IA	
R1 (ohms/ph) R2 (ohms/ph) X1 (o		X1 (ohn	ns/ph) X2 (ohms/ph)				VIBRATI	ON (in/sec)					
0.	.746	0.391	1.9	71		2.632	4	3.227	0.	.080			
*							If Inverter			for further inform			
N O									ER TORQUE:	CONSTANT 10:	1/VARIABLE	E 10:1	
т								11V. PP SP	EED RANGE:				
Е								ENCODER:	NONE				
S *								NONE NONE			NONE	000	
~								BRAKE:	NONE		NONE	PPR	
PREPARED BY:				NONE NONE									
DATE: 5/13/2020					FT-LB: VOLTAGE:		NA ONE		F				
FORM: 3	531 REV_4	2/27/06						VOLTAGE:	N	UNE		F	
		ithout notice.											

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