PRODUCT INFORMATION PACKET

Model No: 256TTFCD6503
Catalog No: E659A
Severe Duty Motors, TEFC, 20 HP, 3 Ph, 60 Hz, 575 V, 3540 RPM, 256T Frame



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Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.0 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	87.5
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	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

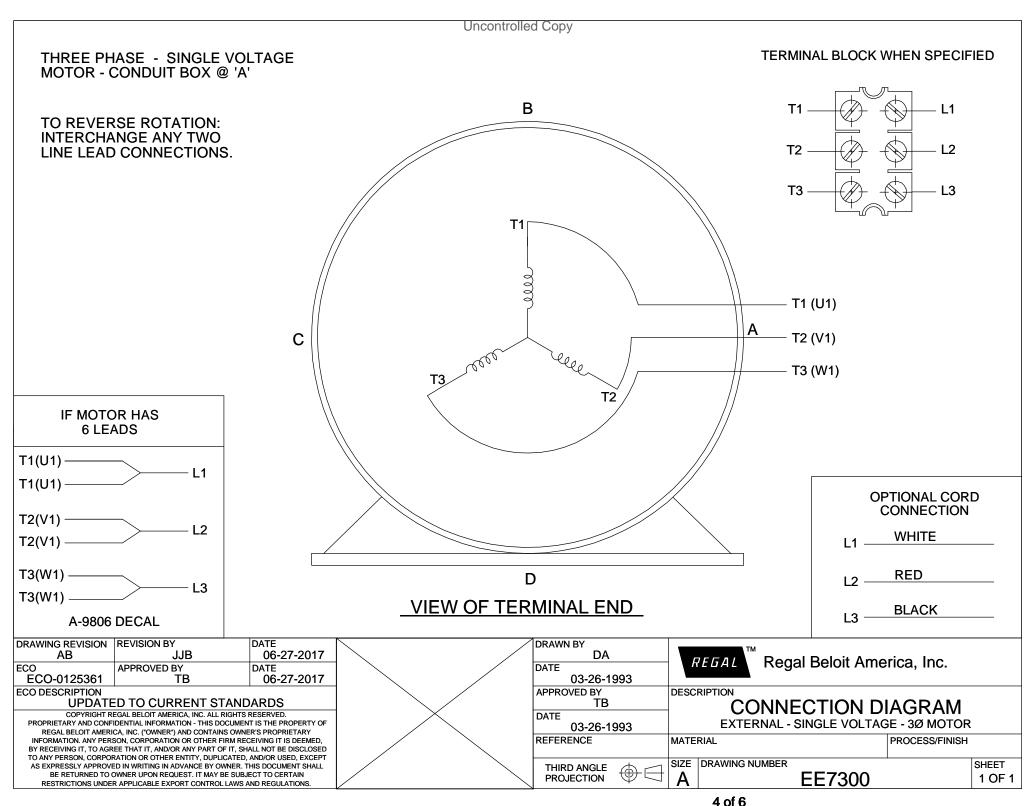
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter Selective Clockwise		
Poles	2	Rotation			
Resistance Main	.546 Ohms	Mounting	Rigid Base		
Motor Orientation Horizontal		Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	1.625 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS208560-200	Connection Drawing	EE7300		

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Uncontrolled Copy DASH NO. С Ε 2FF BS MOUNTING FRAME 2E 2F BA 24.15 4.13 100 9.60 8.25 254T 5.00 10.00 4.25 F1 OR F2 25.89 10.00 254/256T 200 11.34 8.25 5.00 - 19.64 -12.46 9.17 2.09 0.14 Θ 3/8 x 3/8 x 2.88 KEY 15.22 6.96 7.95 \emptyset 1.625 3.82 6.25 1-1/4 NPT LEAD HOLE-0.82 -4.00 0.67 — (12.40 Ø 0.53 THRU 8 HOLES (254 WILL HAVE ONLY 4 HOLES) F2 VIEW DRAWN BY
BISWA DRAWING REVISION BY BISWA REV DATE/© DATE 10/07/2020 Regal Beloit America, Inc. REGAL ECO-0194249 APPROVED BY GNK DATE 10/07/2020 26/09/2018 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

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DATA VOLTS: 575

					F	REFERENCE MODEL #: 256TTFCD6503							
CONN. DIAGRAM: EE7300					CAT #:	E6	659A						
OUTLINE: \$\$208560-256T WINDING: HE31602007 NONE			NONE	NONE 3 MOUNTING: F1/F2 CAPABLE									
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	кw	SYNC RPM	M FL RPM		FRAME		ENCLOSURE		TYPE	KVA CO	DDE	DESIG	
20	14.9	3600	3600 3540			256T	TEFC		TFC	G		В	
PH	HZ	VOLTS	I AME	20	1	START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV (
3	60				L	INE OR INVERTER	CONT		Н	1.15	40	3300	
	F.L. EFF	91.0 3/4 LD EFF		91.0	91.0 1/2 LD EFF		89.5 GTD EFF						
	F.L. PF	87.5	3/4 LD PF	84.0		1/2 LD PF	76.5	90.2		SQ CAGE INV	RATED		
F.L. T	ORQUE	LR AMPS			L.R	. TORQUE		B.D. TORQ	UE	F.L. RISE	(° C)		
29.7		114		49.0	LB-FT	165%	74.0	LB-FT	249%	60	Ĺ		
SOUND F	RESSURE	SOUND	ROTOR	R WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
75	dBA	84 dBA	1.35	LB-FT ²	25	LB-FT ²	20	SEC.		2	317	LB.	
	NDARD	TYPE STANDARD	RIGID		ZONTAL	SEVERE DUTY PREMIUM SEVERE DUTY		ON 2 T2B	NO NO	NONE	BLUE (EPOXY)		
BEARINGS GREASE		GREASE	SHAFT	TYPE		SPECIAL DE	SPECIAL ODE S		SHAFT	MATERIAL	FRAME MATERIAL		
BALL 6309	BALL 6209	POLYREX EM	Т			NONE	N	IONE	1045 HOT R	1045 HOT ROLLED (C-204)		CAST IRON	
THERM	IOSTATS	STATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS		CON	CONTROL		SPACE HEATERS						
NONE NOT		NON		NONE		NONE		FALSE		NA			
R1 (ohms/ph) R2 (ohms/ph)		X1 (ohn	ns/ph)	s/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
0.884375 0.46875			2.7390		2.2875		82.85625			0.080		ODE	
*							If Inverter		, contact factory				
N O						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
T													
E S					ENCODER: NONE NONE								
٠ *								NONE			NONE	PPR	
								BRAKE:					
pper	ADED BY							N.I		NICKI	_		
PREF	PARED BY: DATE:	5/13/2020						FT-LB: VOLTAGE:		NON NA ONE	E	H	

