PRODUCT INFORMATION PACKET



Model No: 256TTGCD6501 Catalog No: E505A

Hazardous Duty® Explosion Proof Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 256T Frame, EPFC



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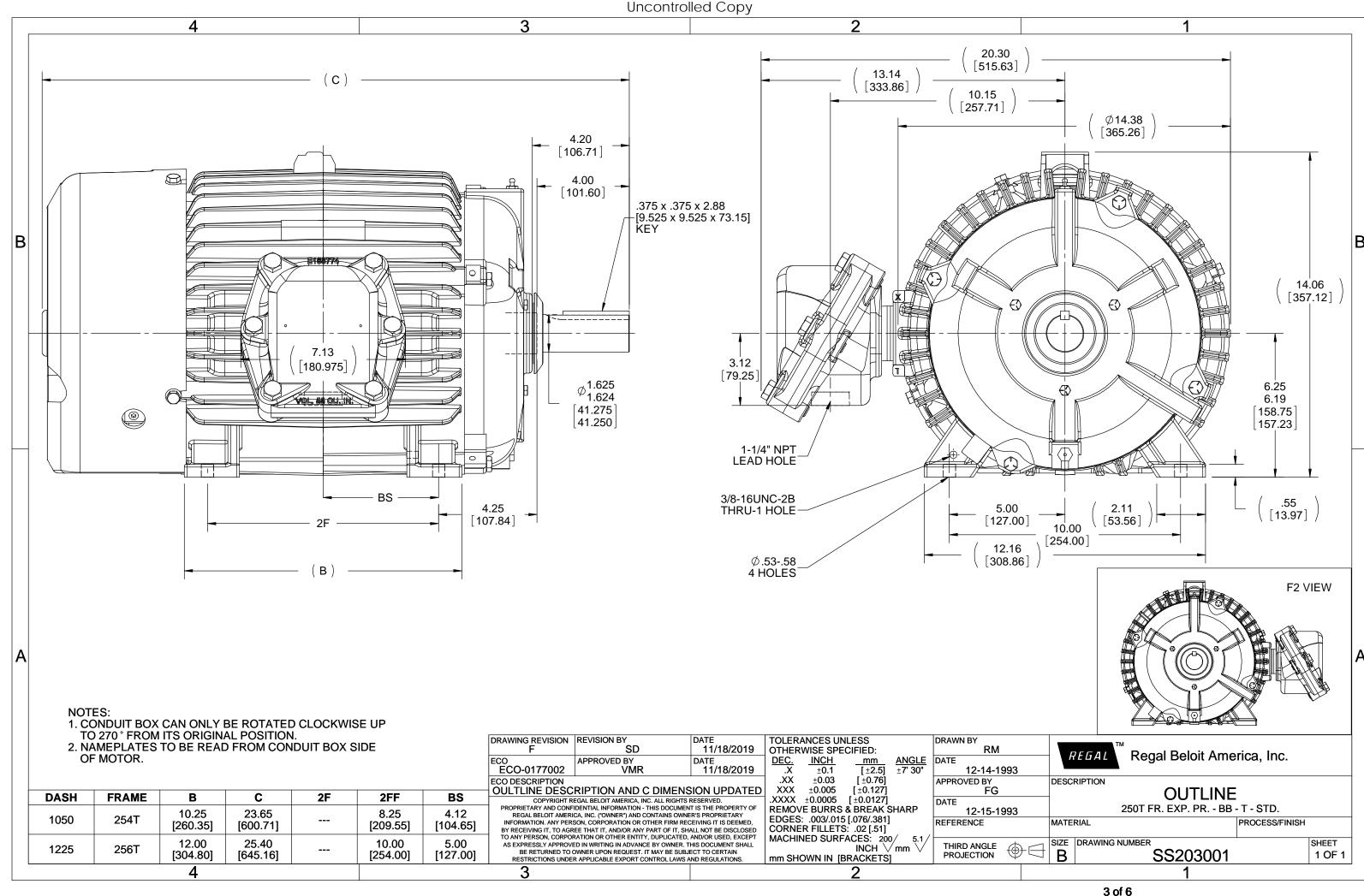
Nameplate Specifications

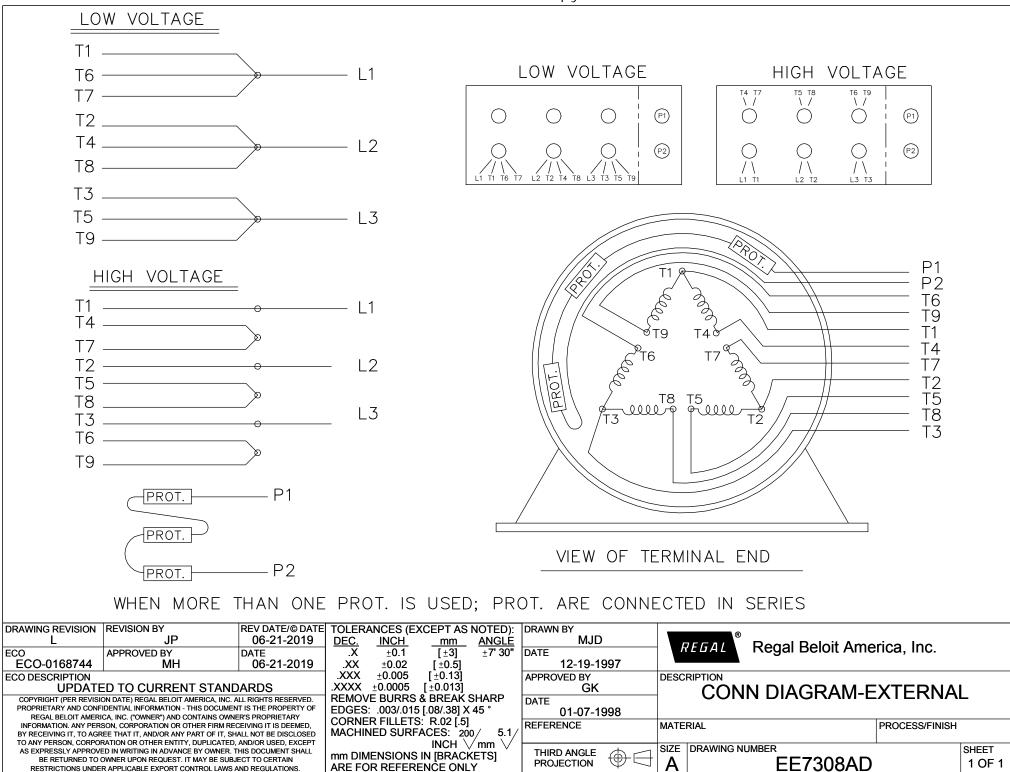
Phase	3	Output HP	20 & 15 Hp			
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V			
Speed	3540 & 2945 rpm	Service Factor	1.00 & 1.00			
Frame	256T	Enclosure	Explosion Proof Fan cooled			
Thermal Protection	Thermostat	Efficiency	91 & 90.2 %			
Ambient Temperature	50 °C	Frequency	60 & 50 Hz			
Current	47.5/23.7 & 43.5/21.7 A	Power Factor	87.5			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	G			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210			
UL	UL Listed And CSA Certified	CSA	Υ			
CE	N	IP Code	54			
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C			

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
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 ONLY	Inverter Load	CONSTANT 10:1
Outline Drawing	SS203001-1225	Connection Drawing	EE7308AD

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	CERTIFICATION DATA SHEET											
CUSTOM	CUSTOMER: CUSTOMER P.O. #:											
ORDER #							REFERENCE MODEL #: 256TTGCD6501					-
CONN. D		EE7308AD		="				CAT #:		E505A		
OUTLINE		SS203001-1225 HA3160200	7 NONE	2				CUSTOMER PART #: MOUNTING:	F1 ONLY			_
SPEED:						TYPICAL MOTOR PE			504205B			
						TYPICAL MOTOR PE	RFORM					
HP	KW	SYNC RPM	FLF	RPM	-	FRAME		ENCLOSURE	TYPE	KVA COI	DE	DESIGN
20	14.9	3600	3600 3540			256T	EPFC		TFC	G		В
- BU	l uz	VOLTE	1	ne		CTART TYPE	I	DUTY	INC	6.5	AMP	ELEV.
PH 3	HZ 60/50	VOLTS 230/460#190/380	47.5/23.78	PS k43.5/21.7	 	START TYPE ACROSS THE LINE		CONT	INSL F	S.F. 1.00	AMB 50	BLEV. 3300
	•		•							•	•	
	F.L. EFF	91.0 87.5	3/4 LD EFF 3/4 LD PF			1/2 LD EFF 1/2 LD PF	89.5 76.5	GTD EFF 90.2			. TYPE	
	F.L. PF 87.5 3/4 LD PF 84.0				1/2 LD FF	F 76.5 90.2			SQ CAGE IND RUN			
	ORQUE		MPS @ 460 V			.R. TORQUE	B.D. TORQUE			F.L. RISE (° C)		
29.7	LB-FT	143		49.0	LB-FT	165%	74.0	LB-FT	249%	65		
SOUND	PRESSURE	SOUND	ROTO	R WK²		MAX. LOAD WK ²		SAFE STALL TIME	STA	ARTS/HOUR	APROX.	MOTOR
75	dBA	84 dBA	1.39	LB-FT ²	25	LB-FT ²	20	SEC.		2	435	LB.
						*** SUPPLEMENTA	L INFORI	MATION ***				
DE BRA	DE BRACKET TYPE		MOUNT TYPE		TOR TATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	SCREENS	PAINT	
STA	NDARD	STANDARD	RIGID	HORI	ZONTAL	PREMIUM SEVERE DUTY	DIV 1 EX	P PROOF CL I GR CD CL II GR FG T3C	NO	NONE	BLUE - F	RAL 5003 (EPOXY)
BEA	RINGS		T									
DE	ODE	GREASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
6309	6210	POLYREX EM	1	г		NONE		NONE	1045 HO	ROLLED (C-204) CA		AST IRON
					1				Ι		l	
THERMOSTATS		PROTECTORS		RTD's	BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
TSTA	TSTATS (N/C) NOT NONE		NE	NONE		NONE		FALSE		NA NA		
R1 (ohms/ph) R2 (ohms		R2 (ohms/ph)	X1 (oh		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0	.362	0.192	1.1	22		0.937		33.938		0.080	ODE	
*								p.,	TODOUT	NONE		
N O				INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE								
T												
E S						ENCODER: NONE						
*								NONE			NONE	PPR
					BRAKE: NONE							
PREPARED BY:					NONE NONE FT-LB: NA							
					VOLTAGE: NONE HZ:							
FORM: 3531 REV_4 2/27/06							UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS					

CERTIFICATE OF COMPLIANCE

 Certificate Number
 20220314- E12044

 Report Reference
 E12044-19950413

Issue Date 2022-MARCH-14

Issued to: REGAL BELOIT AMERICA INC

1946 W COOK RD

FORT WAYNE IN 46818

Tradename: Marathon

This certificate confirms that representative samples of

MOTORS FOR USE IN HAZARDOUS LOCATIONS

Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 256TTGCD6501 (may have prefix and/or

suffix characters).

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 674 - Electric Motors and Generators for Use in Division

1 Hazardous (Classified) Locations,

CSA C22.2 No. 145, Electric Motors and Generators for

Use in Hazardous (Classified) Locations

Additional Information: See the UL Online Certifications Directory at

https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Bamaly

Bruce Mahrenholz, Director North American Certification Program

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