## PRODUCT INFORMATION PACKET



Model No: 256TTGCD6505 Catalog No: C500

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

3600 & 3000 RPM, 256TC Frame, EPFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 256TTGCD6505, Catalog No:C500 Hazardous Duty® Explosion Proof Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 256TC Frame, EPFC



#### Nameplate Specifications

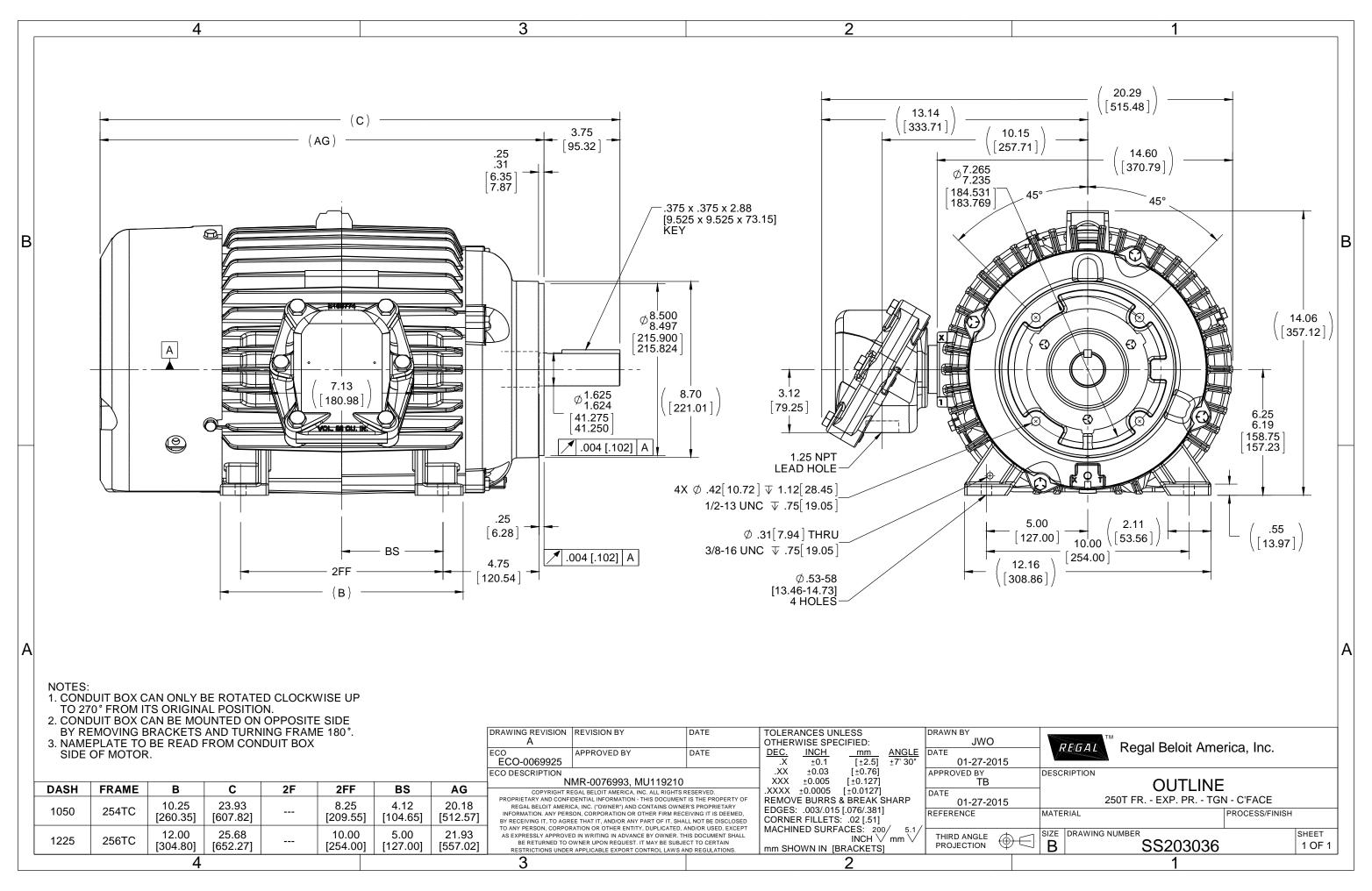
Phase	3	Output HP	20 & 15 Hp			
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V			
Speed	3540 & 2945 rpm	Service Factor	1.0 & 1.0			
Frame	256TC	Enclosure	Explosion Proof Fan cooled			
Thermal Protection	Thermostat	Efficiency	91 & 90.2 %			
Ambient Temperature	50 °C	Frequency	60 & 50 Hz			
Current	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			

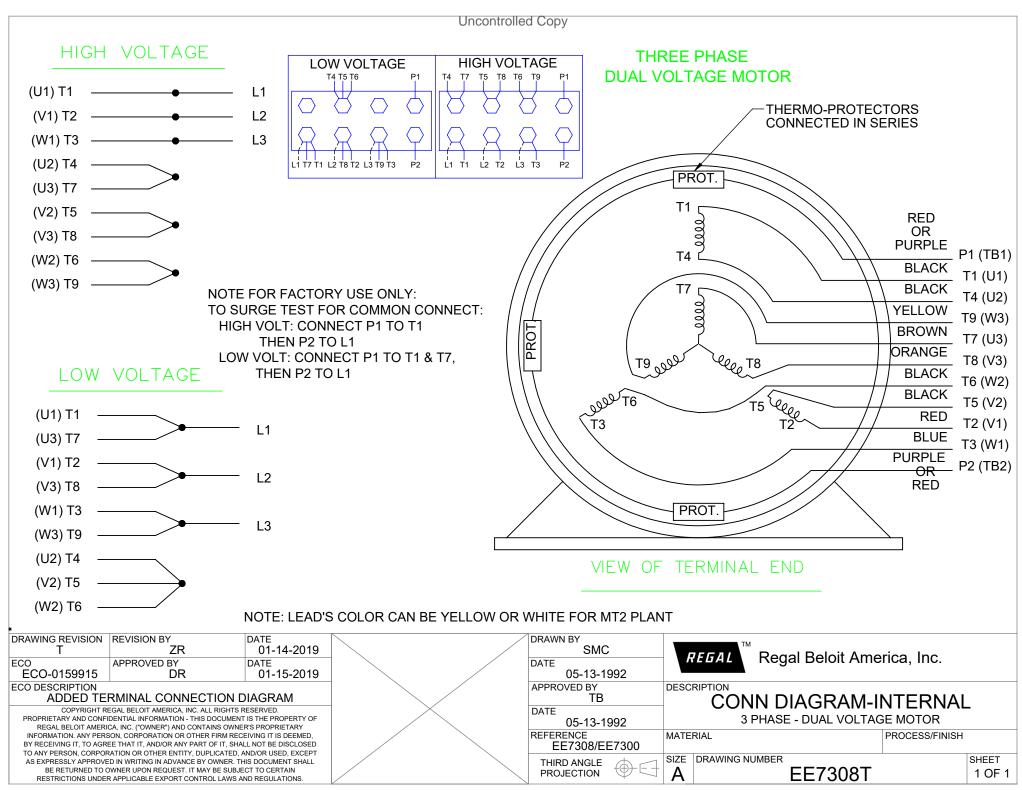
### **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
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		
Connection Drawing	EE7308T	Outline Drawing	SS203036-1225

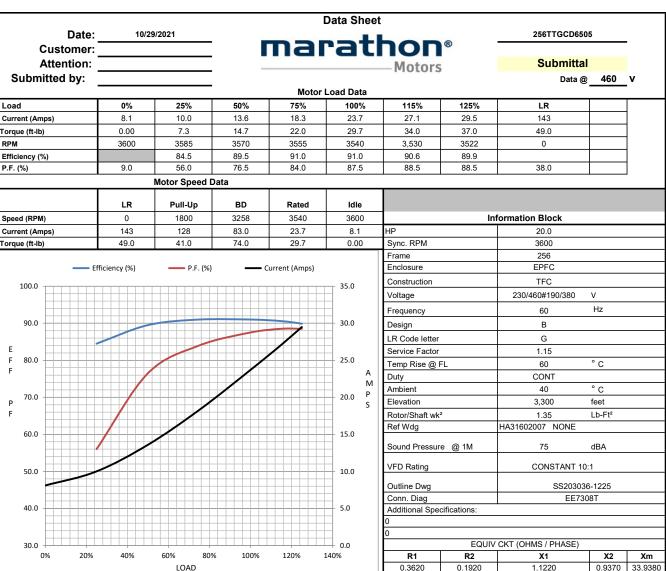
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/23/2023

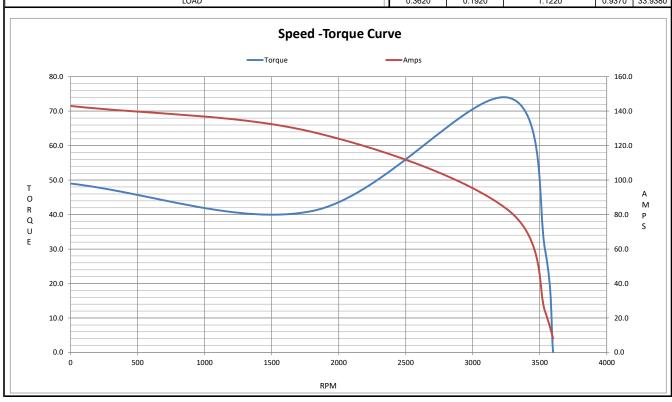
## Uncontrolled Copy





					P.O. BOX 8003								
	marathon∘								WI 54401-8003				
					II C				PH. 715-6	75-3311			
						Motors		DAT	A VOLTS:	460			
								DAI	A VOLIO.	400			
CERTIFICATION DATA SHEET													
сиѕтом	ER:						CUSTO	OMER P.O. #:					
ORDER #					F	REFERENCE MODEL #		#: 256TTGCD6505					
CONN. D		EE7308T						CAT #:		C500			
OUTLINE WINDING		SS203036-1225 HA31602007	NONE	6				MER PART #: MOUNTING:	E1 ONLY				
SPEED:		TIA31002007	NONE	0				WOONTING.	FIONEI				
		-		T'	YPICAL	MOTOR PERFORMA	ANCE D	ATA					
HP	KW	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
20	14.9	3600	3	540		256TC		EPFC	TFC	G		В	
PH	HZ	VOLTS	A	MPS		START TYPE		DUTY	INSL	S.F.	AMB	ELEV.	
3	60/50	230/460#190/380	47.5/23.7	7&43.5/21.7		LINE OR INVERTER	(	CONT	F	1.15	40	3300	
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	91.0		1/2 LD EFF 1/2 LD PF		GTD EFF		ELECT. SQ CAGE IN			
	F.L. PF	87.5	3/4 LD PF	84.0		1/2 LD PF	76.5	90.2		SQ CAGE II	NV RATED		
F.I	L. TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TORQUI	=	F.L. RISE (° C)			
	LB-FT	143		49.0	LB-FT	165%	74.0	LB-FT	249%	60			
SOUND	PRESSURE @ 3 FT.	SOUND POWER	POT	OR WK²		MAX. LOAD WK <sup>2</sup>	CAEE C	STALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
75	dBA	84 dBA		LB-FT <sup>2</sup>	25	LB-FT <sup>2</sup>	20	SEC.		2 435		LB.	
		V. 4211	,									,—-·	
					*** SU	PPLEMENTAL INFORM							
ם חו	RACKET TYPE	ODE BRACKET TYPE	MOUNT   BRACKET TYPE   TYPE   MOTOR ORII		SEVERE DUTY		HAZARDOUS LOCATION			DRIP COVER SCREENS		PAINT	
DE BI	C-FACE	STANDARD	RIGID	HORIZON							BLUE - RAL 5003 (EPOXY)		
												,	
	BEARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
DE	ODE												
6309	6210	POLYREX EM		T		NONE	NONE 1045 HOT ROLLED (C-204)		CAST IRON				
5555	02.0		1	-			-				1		
											SPAC	E HEATERS	
	RMOSTATS	PROTECTORS		RTD's	BRG RTD's			MISTORS		CONTROL			
TS	TATS (N/C)	NOT	N	ONE		NONE	1 1	NONE		FALSE		NA	
R1	I (ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)	h) X2 (ohms/ph)		Xm (	ohms/ph)	VIBRATION (in/sec)		FLOAT		
	0.362	0.192		.122	0.937			3.938	0.080		ODE		
*							1			CONCTANT			
N O						INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE							
T							INV. OF SPEED KANGE: INCINC						
E								ENCODER:	NONE				
S					NONE NONE								
					NONE NONE PPR					PPR			
					BRAKE: NONE								
PREPARED BY:				NONE NONE									
	DATE:	10/29/2021						FT-LB:		NA NONE			
EORM: 2	FORM: 3531 REV 4 2/27/06				VOLTAGE: NONE HZ: UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS								
I OKW. 3	00 1 NEV_4	LILITUU					I UL:	LETTER	, LL DIVAN	SO OF FIGURED WAS COM C	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	XI WOTONS	





# 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 256TTGCD6505 (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.

Bambles

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, pleas contact a local UL Customer Service Representative at <a href="http://ul.com/aboutul/locations/">http://ul.com/aboutul/locations/</a>

