PRODUCT INFORMATION PACKET



Model No: 213TTDBD16038 Catalog No: C438

Brake Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 213TC Frame,

DP



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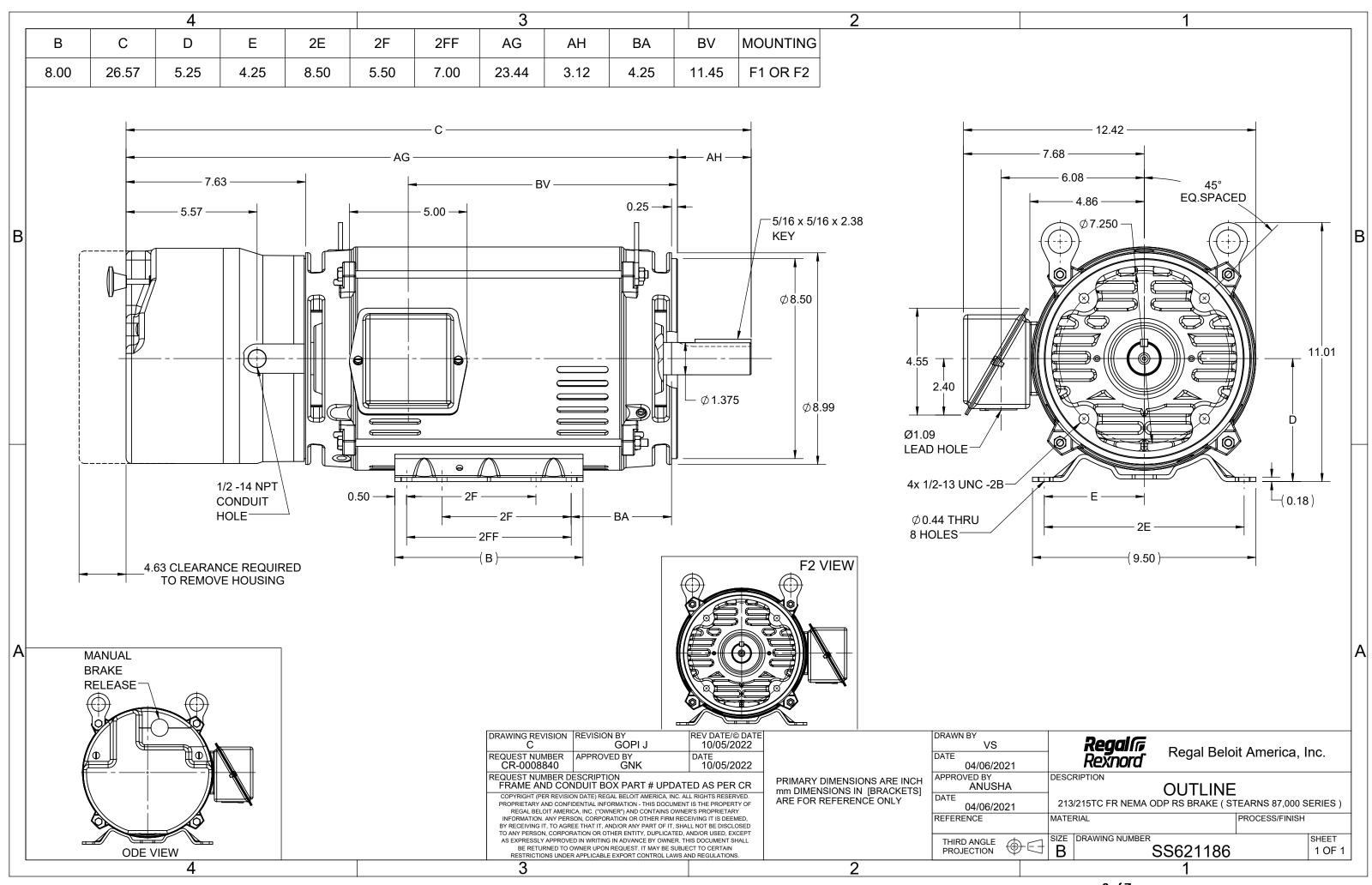
Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp		
Output KW	5.6 & 3.7 kW	Voltage	208-230/460 & 190/380 V		
Speed	1766 & 1472 rpm	Service Factor	1.15 & 1.15		
Frame	213TC	Enclosure	Drip Proof		
Thermal Protection	No Protection	Efficiency	91 & 90.2 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	21.2-19.8/9.9 & 16.8/8.4 A	Power Factor	79		
Duty	Continuous	Insulation Class	F		
Design Code	В	KVA Code	Н		
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6307		
UL	Recognized	CSA	Υ		
CE	Υ	IP Code	22		
Number of Speeds	1				

Technical Specifications

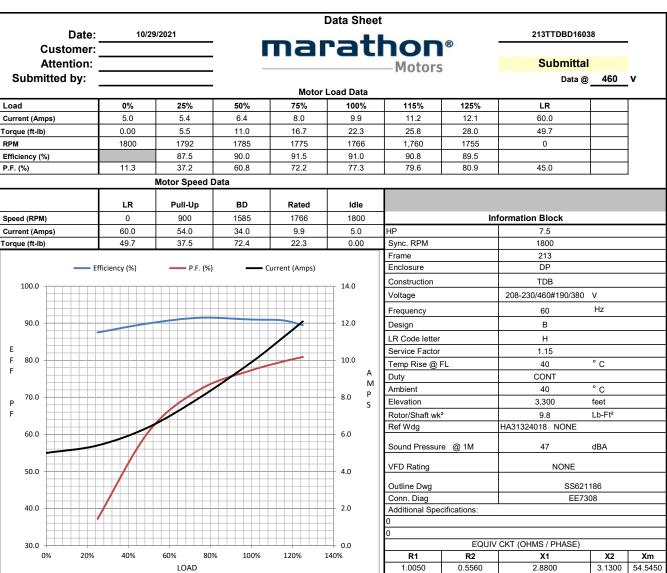
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line		
Poles	4	Rotation	Reversible		
Resistance Main	1.698 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel		
Shaft Type	Т	Shaft Diameter	1.375 in		
Assembly/Box Mounting	F1/F2 CAPABLE				
Outline Drawing	SS621186	Connection Drawing	EE7308		

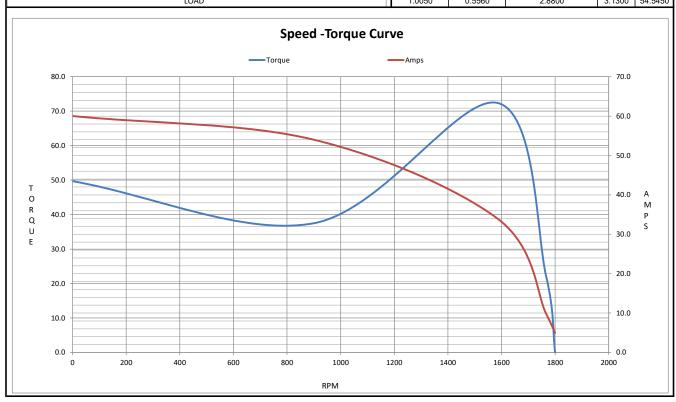
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					P.O. BOX 8003								
marathon∘					WAUSAU, WI 54401-8003								
									PH. 715-6	75-3311			
						Motors		DAT	A VOLTS:	460			
								DAT	A VULTS:	400			
	CERTIFICATION DATA SHEET												
сиѕтом	CUSTOMER:					CUSTO	MER P.O. #:						
ORDER #:			F			REFERENCE MODEL #:							
CONN. DIAGRAM:		EE7308					CAT #: CUSTOMER PART #:						
OUTLINE		SS621186 HA31324018	NONE	2				ER PART #: MOUNTING:	E4/E2 CAD	ADLE			
SPEED:		TA31324016	NONE	2				WOUNTING:	F I/FZ CAP	ADLE			
		-		TY	YPICAL	MOTOR PERFORMA	NCE D	ATA					
			_									DESIGN	
HP	KW	SYNC RPM	FL	RPM		FRAME	ENC	OSURE	TYPE	KVA CODE	KVA CODE		
7.5	5.6	1800	1	766		213TC		DP	TDB	Н		В	
1													
PH	HZ	VOLTS	А	MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60/50	208-230/460#190/380	21.2-19.8/	9.9&16.8/8.4		ACROSS THE LINE	С	ONT	F	1.15	40	3300	
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	91.5 72.2		1/2 LD EFF 1/2 LD PF	90.0	90.2		ELECT. SQ CAGE I			
	r.L. Pr	11.5	3/4 LD PF	12.2		1/2 LD PF	00.0	90.2		SQ CAGE I	ND RUN		
F.I	TORQUE	LR AMPS @	460 V	L.R. TORQUE		TORQUE		B.D. TORQU	E F.L. RISE (° C)				
	LB-FT	60.0		49.7 I	LB-FT	223%		LB-FT	325%	40			
SOUND	PRESSURE @ 3 FT.	SOUND POWER	ROT	OR WK²		MAX. LOAD WK ²	SAFF S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
47	dBA	56 dBA		LB-FT ²	50	LB-FT ²	20 SEC			2			
		•	,								•		
					*** SL	IPPLEMENTAL INFORMA							
DE RE	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIEN	ENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT		
	C-FACE	BRAKE	RIGID	HORIZON			NONE		YES NONE		BLUE (ENAMEL)		
	EARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
DE BALL	ODE BALL								_				
6307	6307	POLYREX EM		T		NONE	NONE 1045 HOT ROLLED (C-204) ROL				OLLED STEEL		
				<u>'</u>									
											SPAC	E HEATERS	
THE	RMOSTATS	PROTECTORS		G RTD's BRG RTD's		THERMISTORS		CONTROL			NA		
	NONE	NOT	N	NONE NONE		NONE		FALSE		NA			
R1 (ohms/ph)		R2 (ohms/ph)	X1 (o	ohms/ph) X2 (ohms/ph)		Xm (ohms/ph) VIBRATION (in/sec)		IBRATION (in/sec)	FLOAT				
	1.005 0.556			2.88 3.13		54.545 0.150		ODE					
N N	* N					INVERTER TORQUE: NONE							
Ö							INV. HP SPEED RANGE: NONE						
Т													
E					ENCODER: NONE								
S					NONE								
H -								NONE	STEADNIS		NONE	PPR	
1	PREPARED BY:				BRAKE: STEARNS 87,000 NEMA 2								
	DATE: 10/29/2021					FT-LB: 35							
						VOLTAGE: 230/460-190/380 HZ:							
FORM: 3	FORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC							







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 213TTDBD16038

(Model No. may contain prefix and/or suffix characters)

Catalog No : C438

Rework No : N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cers

Julian Clark Marketing Engineer

(€ 22