

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 213TTFCD6531

Catalog No: E476B

7.5 HP, Severe Duty Motors, 3 phase, 1800 RPM, 230/460 V, 213T Frame, TEFC  
Severe Duty Motors



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DATA VOLTS: 460

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** EE7308 **MODEL #:** 213TTFC6531  
**OUTLINE:** SS810116-213T **CAT #:** E475B  
**WINDING:** HE31324012 NONE 2 **MOUNTING:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1800	1768	213T	TEFC	TFC	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	230/460	19/9.5	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	91.0	1/2 LD EFF	90.0	GTD EFF	ELECT. TYPE
F.L. PF	79.3	3/4 LD PF	73.4	1/2 LD PF	63.8	91.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
22.3 LB-FT	62.0	45.0 LB-FT 202%	59.0 LB-FT 265%	40

SOUND PRESSURE	SOUND	ROTOR WK <sup>2</sup>	MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR
62 dBA	71 dBA	0.95 LB-FT <sup>2</sup>	75 LB-FT <sup>2</sup>	25 SEC.	2	197 LB.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
BALL 6308	BALL 6208						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)
0.911	0.548	2.661	3.081	56.889	0.080

* N O T E S *	If Inverter equals NONE, contact factory for further information	
	INVERTER TORQUE: CONSTANT 20:1/VARIABLE 10:1	
	INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE PPR	

<b>PREPARED BY:</b> ANUSHA M <b>DATE:</b> 3/31/2020	<b>BRAKE:</b> NONE NONE NONE <b>FT-LB:</b> NA <b>VOLTAGE:</b> NONE <b>HZ:</b>
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FORM: 3531 REV\_4 2/27/06  
 \*\* Subject to change without notice.