## **PRODUCT INFORMATION PACKET**

Model No: 256TTFNA16031 Catalog No: M893B Vertical Pump Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256HPV Frame, TEFC



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Product Information Packet: Model No: 256TTFNA16031, Catalog No:M893B Vertical Pump Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256HPV Frame, TEFC

# marathon®

#### Nameplate Specifications

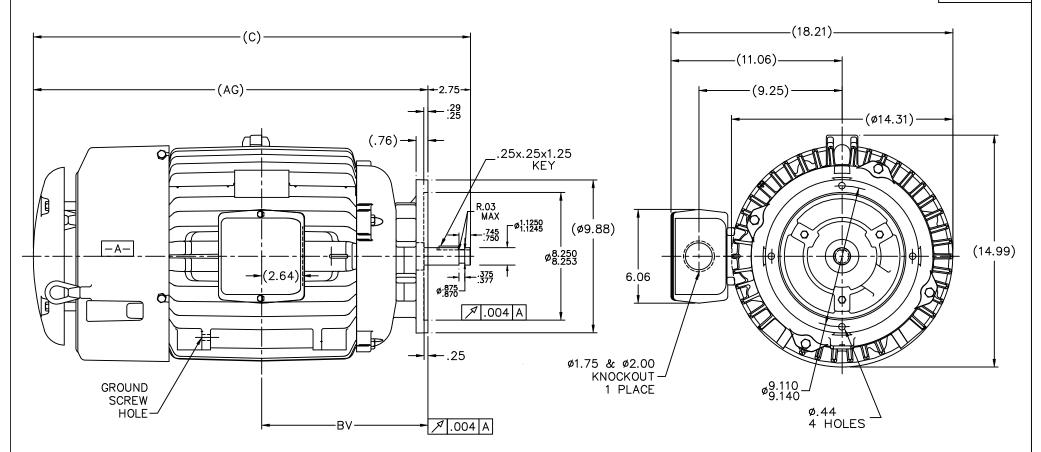
Output HP	20 Нр	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	48.0/24.1 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

#### **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.474 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	28.26 in
Frame Length	12.25 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS203116-1225

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NOTES:

SIDE OF MOTOR.

					8	REVISED DRAWING	RJW 04-04-20	07		LERANCES		RAWN BLR	06-17-1996
DASH	FRAME	C	AG	BV	7	ROTATED C'BOX 90° CN 32714	DRS 06-02-20	ML		INCHES	││(((_)))││ ⊾и // ≜ ∖	IK MLO	06-19-1996
DASH			AG	БV	6	ADDED GROUND SCREW HOLE CN 31554	TJB 05-03-20	И	.x	±.1		PD BW	06-19-1996
1225	254-6HP	28.26	25.51	10.75	5	.29/.25 WAS .19/.25 CN 29300-133	DRS 09-05-20	00	.xx	±.03		CALE	1=4
	201 011		20.01		4	UPDATED CONDUIT BOX CN 28427	TJB 01-25-200	0	.xxx	±.005	250HP FR. – BB – TS – P'BASE RE	EF 280	HIMT.FR.
					3	REV. PART DESCRIPTION TEFC WAS			.xxx	±.0005	MAT'L. FM	AF .	
					NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH PR	REV	
						THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE		RFP	RFP		CAD FILE ss203116 SIZE DRAWING NO.	PAGE	OF REV.
					IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				r LB		B SS20	03116	8

<sup>1.</sup> BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270' FROM ITS ORIGINAL POSITION. 2. NAMEPLATE TO BE READ FROM CONDUIT BOX

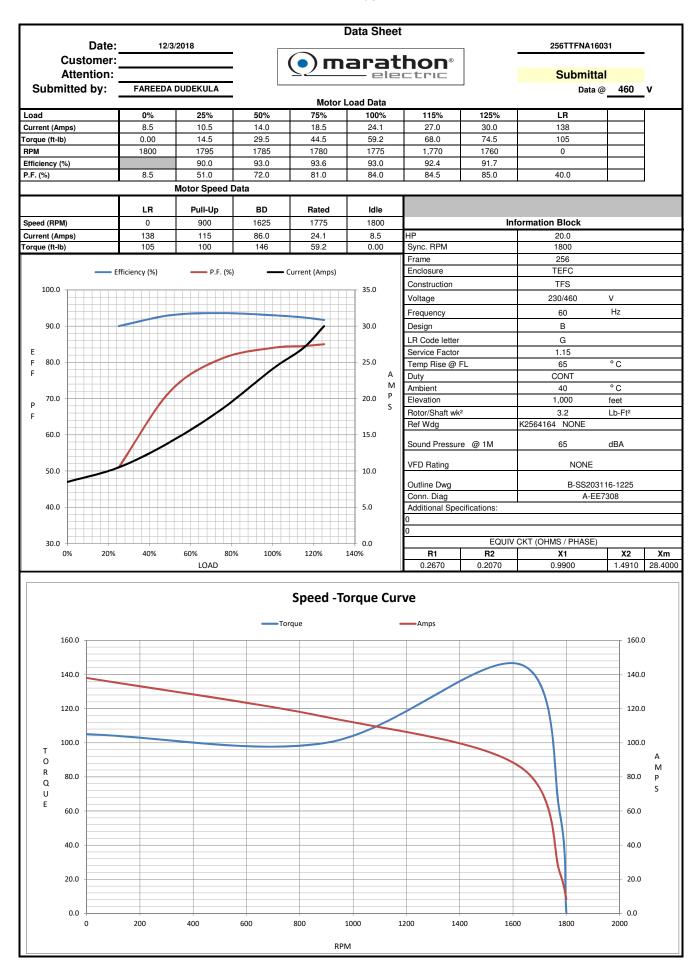
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											02			
									P.O. BOX 8003 WAUSAU, WI 54401-8003					
	(•)marath							<b>)</b> П°		PH. 715-675-3311				
					22		electi	ric -						
											DATA VOLTS:	460		
					CEI	RTIFICA		A SHE	ET					
OUGTON	- D.							OUOT						
CUSTOM							в		DMER P.O. #:	256TTFNA16	031			
ORDER #: CONN. DIAGRAM: A-EE7308														
OUTLINE	:	B-SS20311	16-1225					CUSTOMER PART #:						
WINDING	-		K2564164	NONE	6			MOUNTING: F1/F2 CAPABLE						
SPEED:				-		MOTO								
				1	PICAL		R PERFO	AMANC	EDATA				1	
HP	ĸw	SYNC	RPM	FL R	РМ	FF	RAME	ENC	LOSURE	TYPE	KVA CO	DE	DESIGN	
20	14.9	19	00	177	5	25	6HPV	-	TEFC	TEN	G		в	
20	14.9	10		1//	5	25				IFIN	G		D	
	1 -			1			. <u></u> ,				-			
PH	HZ			AMF		-				INSL F	S.F.	AMB	ELEV.	
3	60	230/	/400	48/24	+.1	ACROS	S THE LINE	(	CONT		1.15	40	3300	
	F.L. EFF	93.0		3/4 LD EFF	93.6		1/2 LD EFF	93.0	GTD EFF		ELECT. TY	'PE		
	F.L. PF	84.0		3/4 LD PF	81.0		1/2 LD PF	72.0	92.4		SQ CAGE INE	D RUN		
											1			
-	ORQUE	LR	AMPS @	460 V		L.R. TORQUE		1.10	B.D. TORQ		F.L. RISE	(°C)		
59.2	LB-FT		138		105	LB-FT	177%	146	LB-FT	247%	65			
@:	3 FT.	POWER ROTO			R WK <sup>2</sup> MAX. LOAD WK <sup>2</sup>			SAFE STALL TIME		STARTS/HOUR		мото	R WGT	
65	-		dBA	A 3.2 LB-FT <sup>2</sup>		125 LB-FT <sup>2</sup>		25 SEC.		2		400	LB.	
				•										
		ODE BF	ACKET	MOUNT			NTAL INFO	-	ON *** ARDOUS	DRIP	1	1		
DE BRAC	КЕТ ТҮРЕ	TYPE				TATION DUTY		LOCATION		COVER	SCREENS	PAINT		
P-E	BASE	STANDARD		ROUND SHAFT		DOWN NO		NONE		YES	NONE	BLUE (E	ENAMEL)	
				1		r				r		-		
DE BEA	RINGS ODE	GREASE		SHAFT	TYPE	SPEC	CIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL	
BALL	BALL													
6309	6210	POLYR	REX EM	HF	<b>)</b>	N	ONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
				1		1						Ι		
THEOM	THERMOSTATS		PROTECTORS WD		WDG RTD's				THERMISTORS			SPACE HEATERS		
	ONE	NOT		NONE		BRG RTD'S NONE		NONE			NTROL Alse	NA		
						NONE								
-	hms/ph)	R2 (ohms/ph) X1 (o			X1 (ohms/ph) X2 (ohms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.	267	0.207 0.99 1.491					.491		28.4	C	.150	O	DE	
*														
N	0							INVERTER TORQUE: NONE						
								INV. HP SPEED RANGE: NONE						
т														
E								ENCODER: NONE						
S								NONE NON				NONE	PPR	
									BRAKE:	NONE		NONE		
PREPARED BY: FAREEDA DUDEKULA								NONE NONE						
DATE: 9/11/2018								FT-LB: NA						
													HZ:	
FORM: 3	531 REV_4	2/27/06						UL:	V-INS, CONS	ST UL REC				

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### **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: 256TTFNA16031

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

Catalog No : M893B

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer