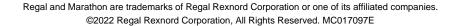
## PRODUCT INFORMATION PACKET



Model No: 256THTCD7026 Catalog No: Y552A

Black Max® Inverter Duty Encoder Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256TC Frame, TENV







Product Information Packet: Model No: 256THTCD7026, Catalog No:Y552A Black Max® Inverter Duty Encoder Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256TC Frame, TENV



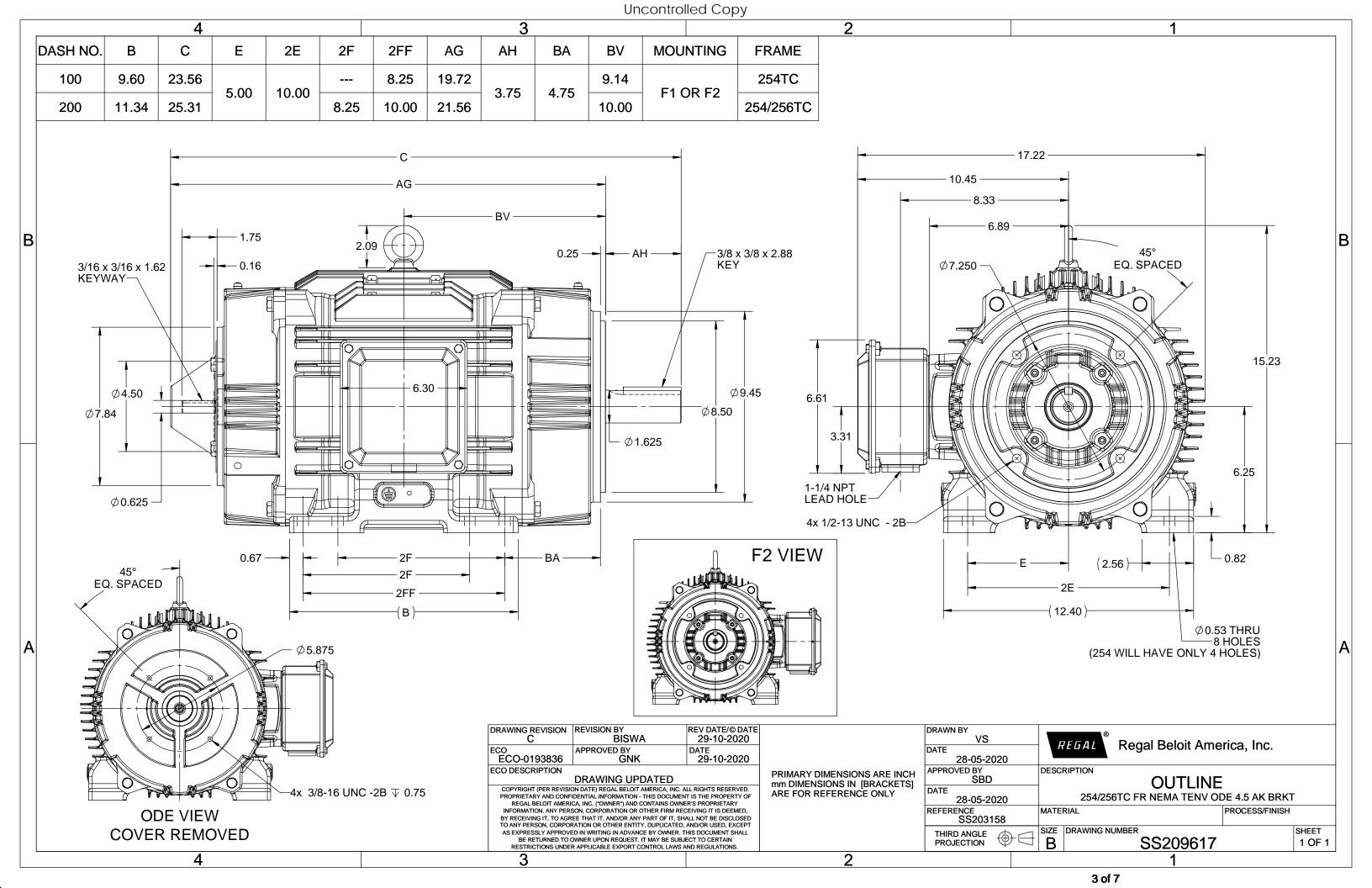
## Nameplate Specifications

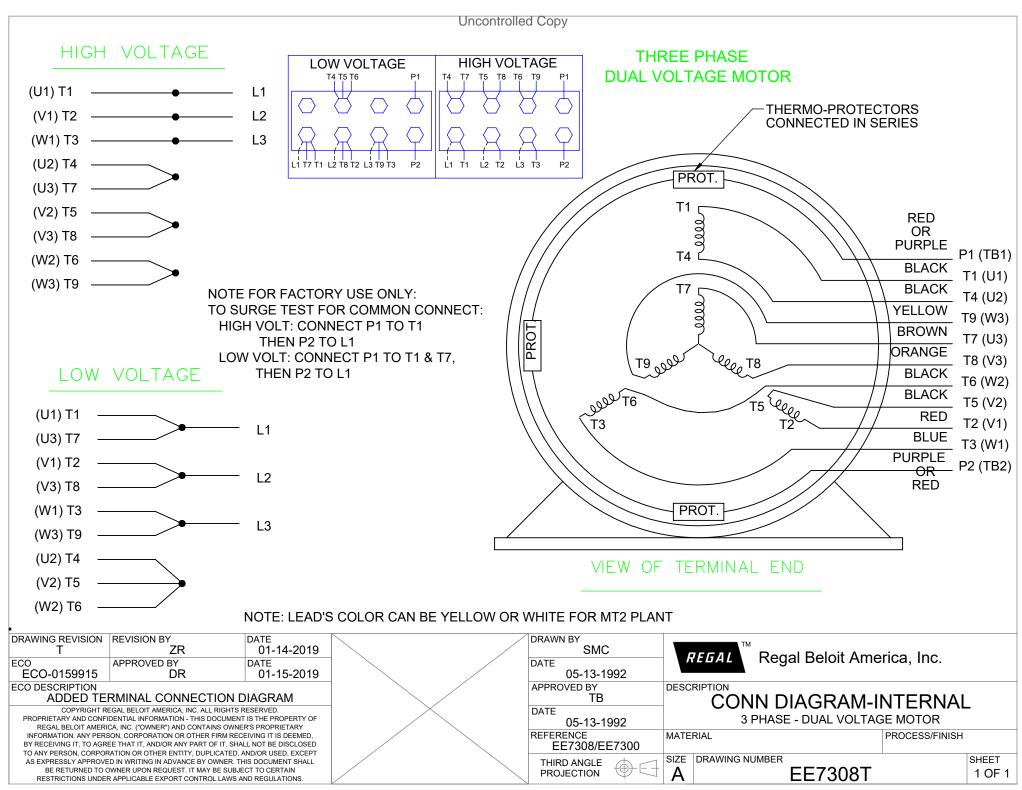
Output HP	20 Hp	Output KW	14.9 kW		
Frequency	60 Hz	Voltage	230/460 V		
Current	49.0/24.5 A	Speed	1778 rpm		
Service Factor	1	Phase	3		
Efficiency	93.6 %	Power Factor	84		
Duty	Continuous	Insulation Class	н		
Design Code	INV	KVA Code	М		
Frame	256TC	Enclosure	Totally Enclosed Non Ventilated		
Thermal Protection	Thermostat	Ambient Temperature	40 °C		
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209		
UL	Recognized	CSA	Υ		
CE	Υ	IP Code	55		
Number of Speeds	1				

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.333 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/F2 CAPABLE	Inverter Load	CONSTANT 1000:1
Connection Drawing	EE7308T	Outline Drawing	SS209617-200

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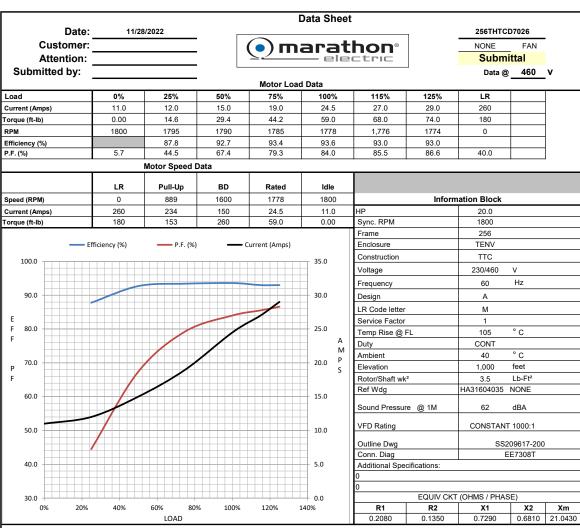


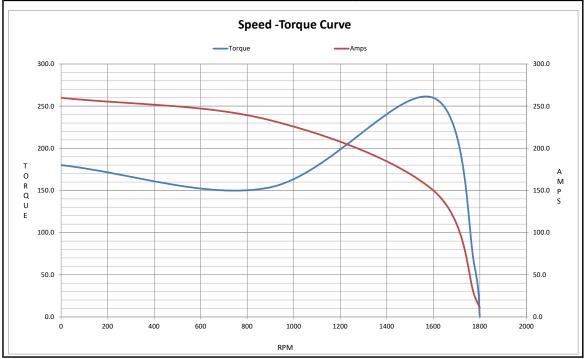




P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

										DATA VOLTS:	460	
				CER	TIFICAT	TION DATA	SHEE	т				
сиѕтомі	ED.						CUSTO	MER P.O. #:				
ORDER #						R		E MODEL #:	256THTCI	07026		
CONN. DI		EE7308T					LI LILLITO	CAT #:		7552A		-
OUTLINE		SS209617-200					CUSTON	IER PART #:				
WINDING	:	HA31604035	NONE	2				MOUNTING:	F1/F2 CAF	PABLE		•
SPEED:								FAN:	504205B			
	TYPICAL MOTOR PERFORMANCE DATA											
НР	кw	SYNC RPM	FL RI	PM	1 FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN
20	14.9	1800	177	8	256TC		TENV		TTC	l M		INF
	1	1000			_		•		10			
					1							
PH	HZ	VOLTS	AMP			RT TYPE		UTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	49/24	1.5	INVER	TER ONLY	C	ONT	Н	1.15	40	3300
	F.L. EFF	93.6	3/4 LD EFF	93.4	I	1/2 LD EFF	92.7	GTD EFF	1	ELECT. T	VDE	
	F.L. EFF	84.0	3/4 LD EFF	79.3		1/2 LD EFF	67.4	92.7		SQ CAGE IN		
	1 .L. PT	04.0	VIT LD FF	10.0	1	II'E LD FF	07.4	JZ.1		OQ OAGE IN	* DOI1	
F.L. T	ORQUE	LR AMPS @	460 V		L.R. TORG	OUF		B.D. TORQU	F	F.L. RISE	(° C)	
59.0	LB-FT	260	100 1	180	LB-FT	305%	260	LB-FT	441%	105	( -,	
@:	@ 3 FT. POWER R		ROTOR	WK <sup>2</sup> MAX. LOAD WK <sup>2</sup>		SAFE S	TALL TIME	STAF	RTS/HOUR	MOTOR WGT		
62	dBA	71 <b>dBA</b>	3.5	LB-FT <sup>2</sup>	30	LB-FT <sup>2</sup>	18	SEC.		2	0	LB.
			•									
						ITAL INFOR	MATION	***				
		ODE BRACKET	MOUNT TYPE		TOR	SEVERE		ARDOUS	DRIP	SCREENS		
C-FACE B		TYPE BRAKE OR ENCODER	RIGID				NONE	PAINT BLACK (ENAMEL)				
U-r	ACE	PRAKE OR ENCODED	RIGID	HURIZ	LONTAL	NO	IN.	ONE	NO	NONE	BLACK (	ENAIVIEL)
BEA	RINGS								s	HAFT		
DE	ODE	GREASE	SHAFT	SHAFT TYPE		SPECIAL DE		SPECIAL ODE		MATERIAL		IATERIAL
BALL	BALL	POLYREX EM	Т			IONE		ONE	1045 HOT BOLLED (C 204		CAST	. IDON
6309	6209	POLIKEXEW	ı.		I N	IONE	IN	ONE	1045 HOT ROLLED (C-204		CAST IRON	
												ACE
		PROTECTORS	WDG R			G RTD's		MISTORS		NTROL		TERS
TSTA	TSTATS (N/C) NOT		NONE NONE		NONE		FALSE		NA			
R1 (ol	hme/nh)	R2 (ohms/ph)	X1 (ohm	e/nh)	¥2 (c	ohms/ph)	Ym (c	hme/nh)	VIRRAT	TION (in/sec)	FL	DAT
R1 (ohms/ph) R2		0.135	0.72		<u> </u>	nms/ph) Xm (ohms/ph) VII 681 21.043		+	0.150		ODE	
		0.100	0.72		1					0.100		
*												
N								INVERTER	TORQUE:	CONSTANT 10	00:1	
0					INV. HP SPEED RANGE: 2.0 X BASE SPEED							
Т												
E							-	ENCODER:	NORTHST	AR	· ·	
S								ST56				
*								NONE	11011=		NONE	PPR
				BRAKE: NONE								
PREF	PREPARED BY:				NONE NONE							
	DATE: 11/28/2022				FT-LB: NA							
FORM: 3531 REV 4 2/27/06					VOLTAGE: NONE HZ: UL: V-INS, CONST, OVERHEAT PRT DEV UL REC							
rokivi. 3	JUINEV 4	4141100					UL:	v-iivo. CON	JI. OVEKH			







# **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: 256THTCD7026

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

Catalog No: Y552A

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:** 

J. Cles

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22