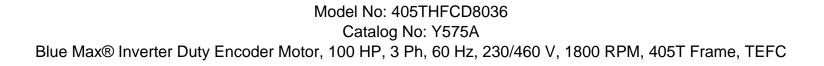
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 405THFCD8036, Catalog No:Y575A Blue Max® Inverter Duty Encoder Motor, 100 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 405T Frame, TEFC

marathon®

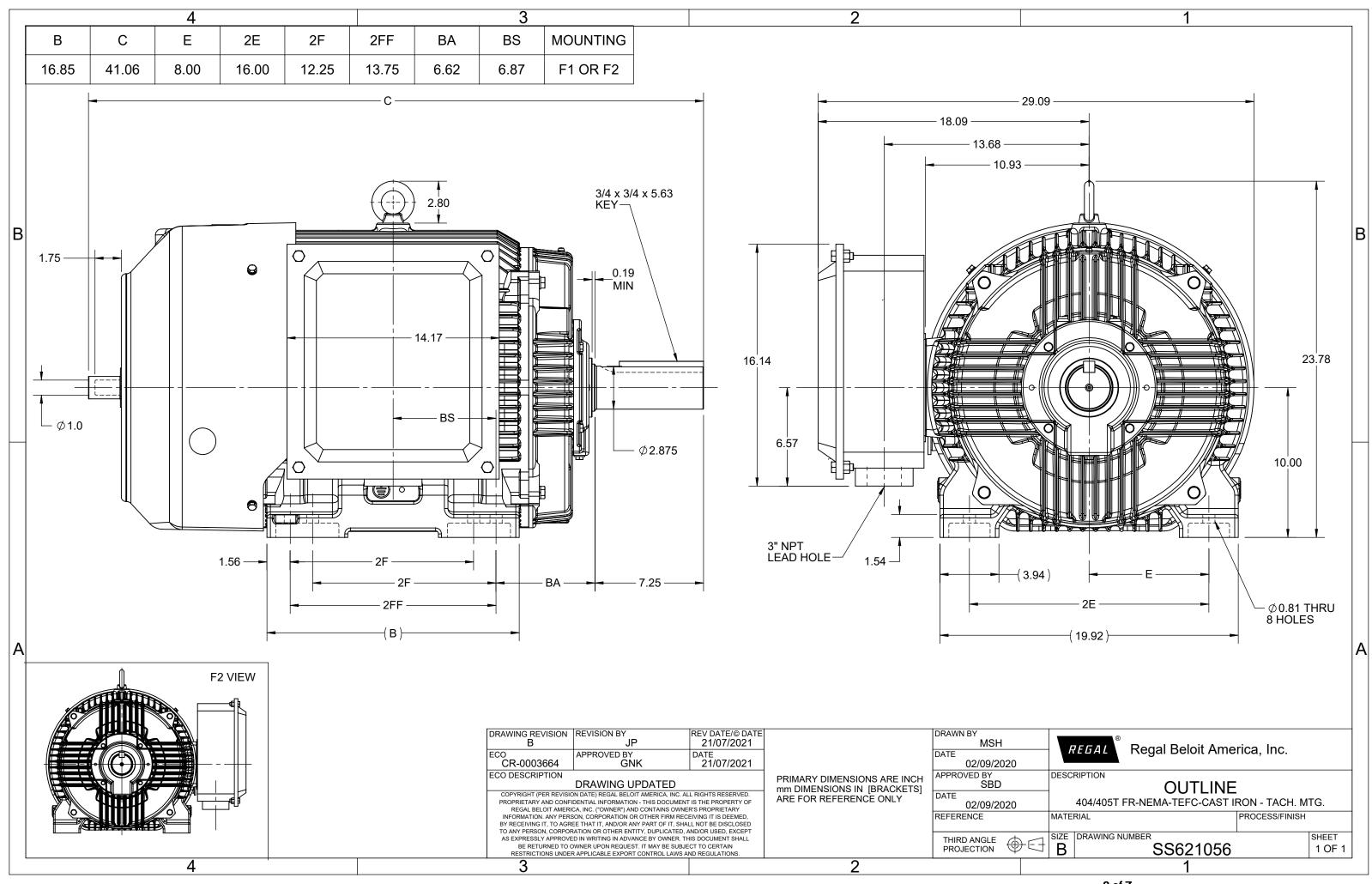
Nameplate Specifications

Output HP	100 Нр	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	224.0/112.0 A	Speed	1785 rpm
Service Factor	1	Phase	3
Efficiency	95.4 %	Power Factor	87
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	к
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

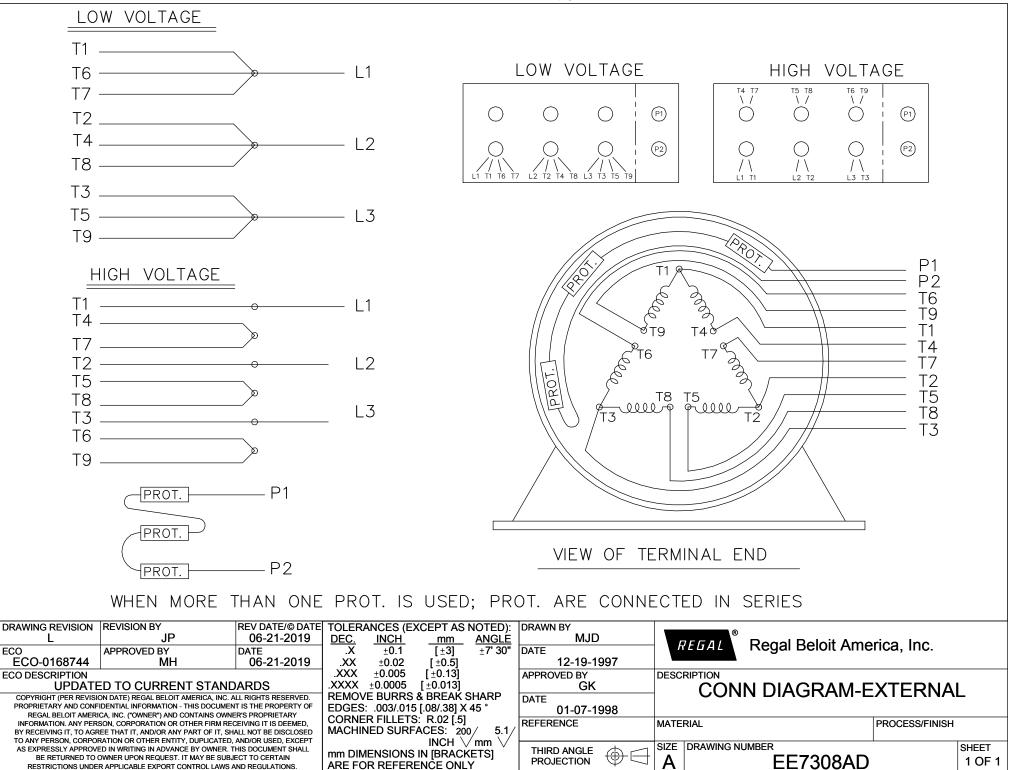
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.0509 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	2.875 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Outline Drawing	SS621056	Connection Drawing	EE7308AD		

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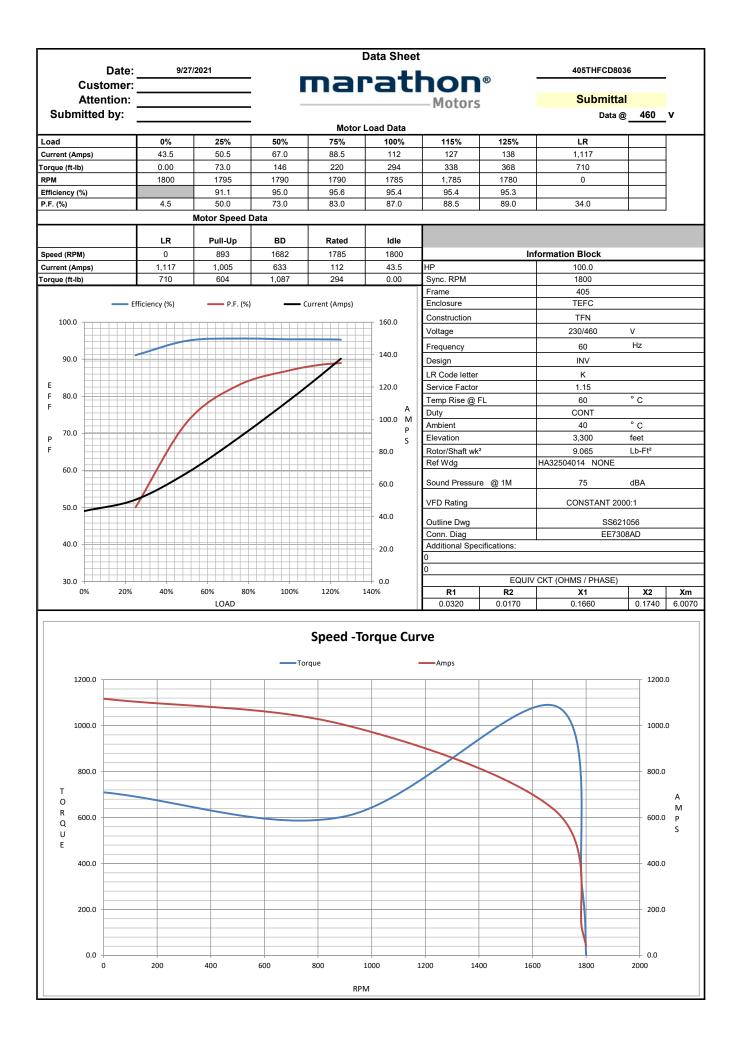


3 of 7

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				ma	ЭГZ	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
					CE	RTIFICATION DATA S	HEET						
CUSTOMER: ORDER #: CONN. DIAGRAM: EE7308AD OUTLINE: SS621056							MER P.O. #:		2026				
								REFERENCE MODEL #: CAT #: CUSTOMER PART #:		t: Y575A			
WINDING SPEED:	5: 	HA32504014	NONE	2					F1/F2 CAP	PABLE			
HP	ĸw	SYNC RPM	FL	RPM	TPICAL	MOTOR PERFORMA		OSURE	TYPE KVA CODE			DESIGN	
100	75	1800	1	785		405T	Т	EFC	TFN	к		INV	
PH 3	HZ 60	VOLTS 230/460		MPS 4/112		START TYPE		UTY DNT	INSL H	S.F. 1.15	AMB 40	ELEV. 3300	
3	F.L. EFF	95.4	3/4 LD EFF	95.6		1/2 LD EFF	95.0	GTD EFF		ELECT.	ТҮРЕ	5300	
_	F.L. PF		3/4 LD PF	83.0		1/2 LD PF	73.0	95.0		SQ CAGE I	NV DUTY		
F. 294	L. TORQUE LB-FT	LR AMPS @ 1,117	460 V	710	L.R. LB-FT	241%		3.D. TORQUI LB-FT	370%	F.L. RISE (° C) 60			
	PRESSURE @ 3 FT.	SOUND POWER				MAX. LOAD WK ²				STARTS/HOUR	APROX.	MOTOR WGT	
75	dBA	84 dBA	9.065	LB-FT ²		LB-FT ²	20	SEC.		2	1275	LB.	
DE BRACKET TYPE		ODE BRACKET TYPE			ENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	SCREENS		PAINT	
	BEARINGS	ENCODER	RIGID	HORIZO	NTAL	NO		ONE	YES	NONE	BLUE (ENAMEL)		
DE	ODE BALL	GREASE POLYREX EM	-	т түре			-		SHA				
6316	6314	POLTREX EM		1	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON		
THERMOSTATS TSTATS (N/C)		PROTECTORS NOT		RTD'S	BRG RTD's NONE			MISTORS	FALSE		SPACE HEATERS		
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)			hms/ph)	VIBRATION (in/sec)			FLOAT	
	0.032	0.017	0	.166		0.174	6	007		0.150		ODE	
N O T						INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED							
E S								ENCODER: NONE NONE	NONE		NONE	PPR	
PREPARED BY: DATE: 9/27/2021					BRAKE: NONE NONE NONE FT-LB: NA								
FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V-INS, CONST, OVERHEAT PRT DEV UL REC HZ:								





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: 405THFCD8036

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

Catalog No : Y575A

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