PRODUCT INFORMATION PACKET

Model No: 405TTFCD6038 Catalog No: GT1246A General Purpose Motor, 100 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 405TC Frame, TEFC



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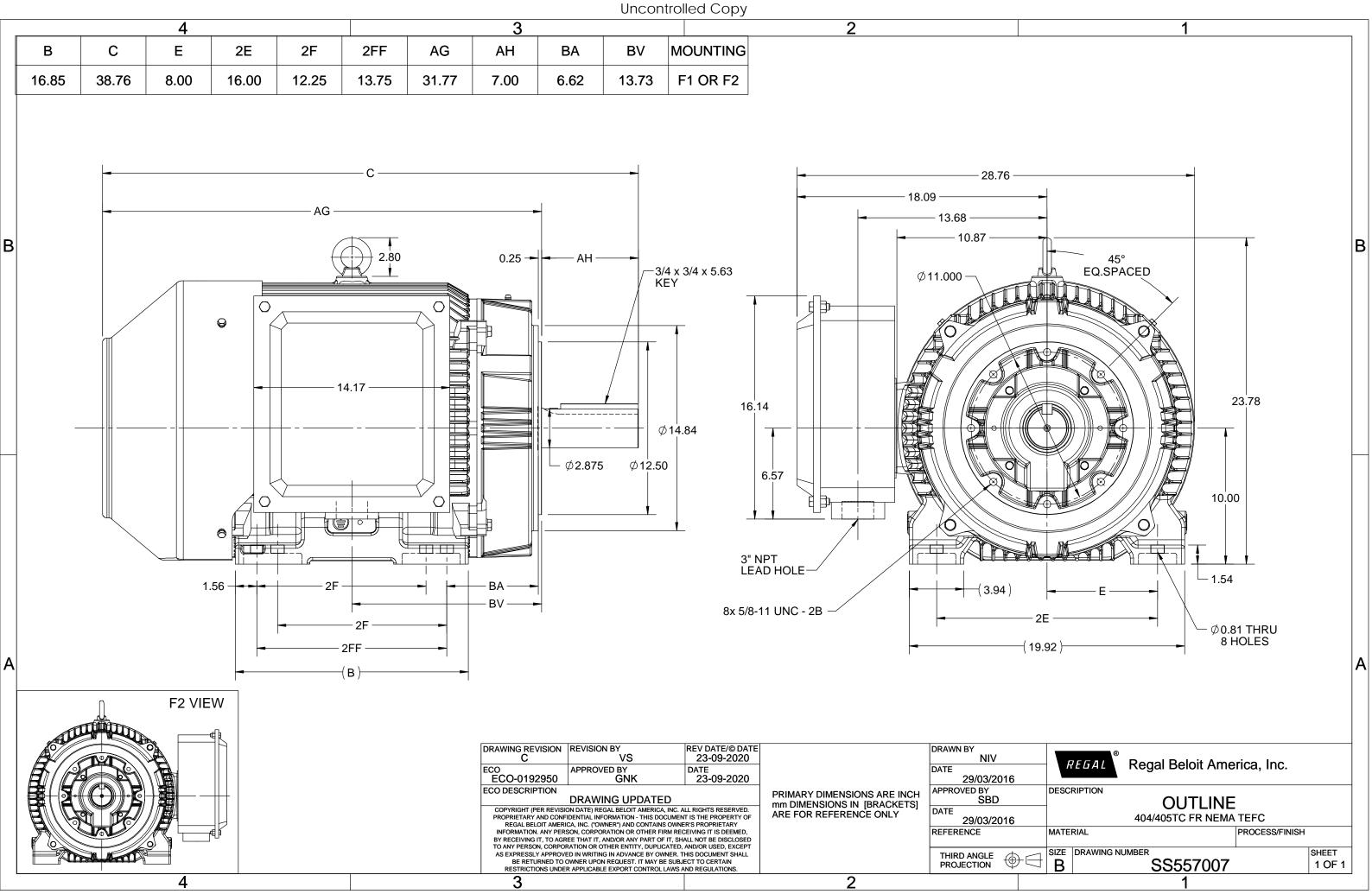
Nameplate Specifications

100 Hp	Output KW	75.0 kW		
60 Hz	Voltage	230/460 V		
226.0/113.0 A	Speed	1785 rpm		
1.15	Phase	3		
95.4 %	Power Factor	87		
Continuous	Insulation Class	F		
В	KVA Code	G		
405TC	Enclosure	Totally Enclosed Fan Cooled		
No Protection	Ambient Temperature	40 °C		
6316	Opp Drive End Bearing Size	6314		
Listed	CSA	Y		
Y	IP Code	55		
DIVISION 2 T2B	Number of Speeds	1		
	60 Hz 226.0/113.0 A 1.15 95.4 % Continuous B 405TC No Protection 6316 Listed Y	60 HzVoltage226.0/113.0 ASpeed1.15Phase95.4 %Power FactorContinuousInsulation ClassBKVA Code405TCEnclosureNo ProtectionAmbient Temperature6316Opp Drive End Bearing SizeListedCSAYIP Code		

Technical Specifications

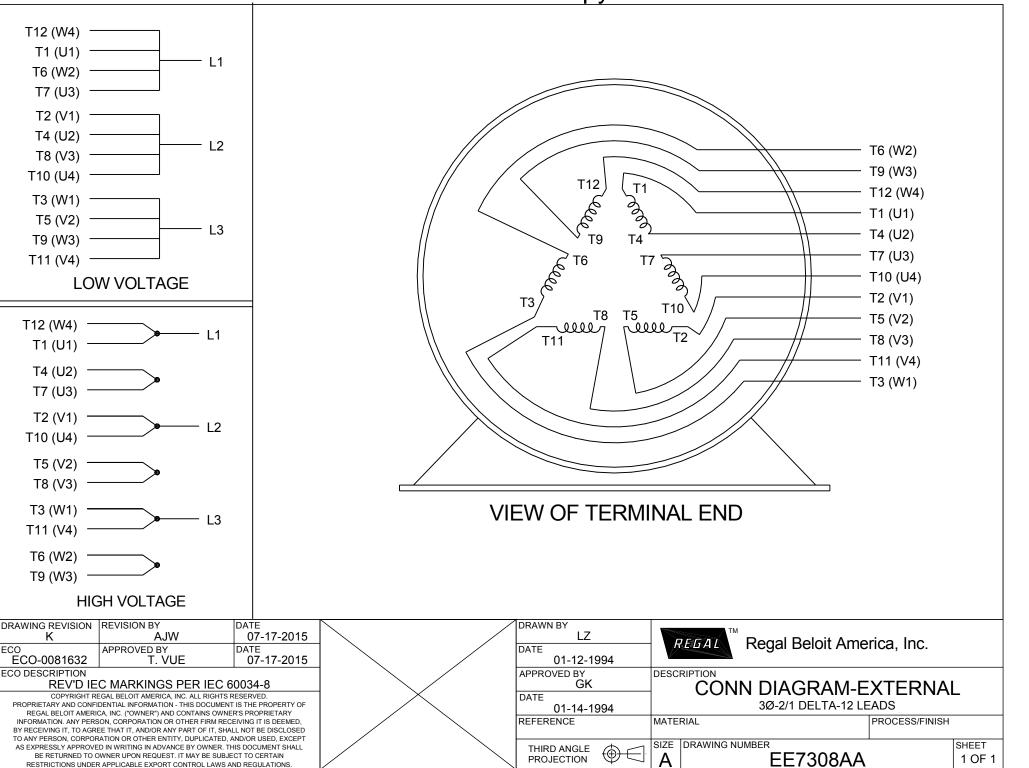
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	38.77 in
Frame Length	18.11 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS557007	Connection Drawing	EE7308AA
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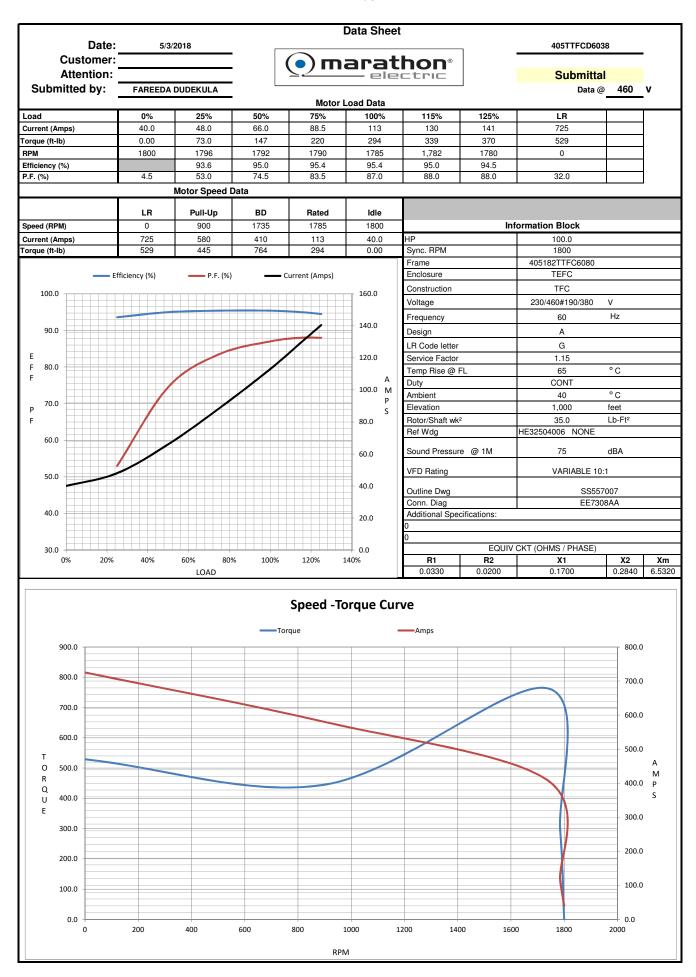
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				(•) I	nar	atho			PH. 715-675			
				52		electi						
			L					l		DATA VOLTS:	460	
										DATA VOLIS.	400	
	CERTIFICATION DATA SHEET											
сизтом	ER:						CUSTO	OMER P.O. #:				
ORDER #						R			405TTFCD60	38		-
	IAGRAM:					CAT #:					-	
OUTLINE		SS557007					CUSTON	MER PART #:				_
WINDING SPEED:	:	HE32504	006 NONE	2				MOUNTING:	F1/F2 CAPAE	3LE		
SPEED:			T		мото	R PERFO						
μn	KW								TYPE	KUA 00	DE	DECION
HP	KW	SYNC RPM					ENCLOSURE		TYPE			DESIGN
100	75	1800	178	35	40	05TC	1	TEFC	TFC	G		В
		V01 TC			0.7.1	T TVP-			N/C	0-	4145	
РН 3	HZ 60/50	VOLTS 230/460#190/3	AMI 80 226/113&	-		r t type) run or in'		DUTY CONT	INSL F	S.F. 1.15	40	ELEV. 3300
3	00/30	200/400#190/3	220/113&	200/104	JUNNIL		C			1.15	40	3300
	F.L. EFF	95.4	3/4 LD EFF	95.4		1/2 LD EFF	95.0	GTD EFF		ELECT. TY	PE	
	F.L. PF 87.0 3/4 LD PF 83.5		1/2 LD PF 74.5 95.0		SQ CAGE INV RATED							
										_		
	ORQUE		3@ 460 V		L.R. TORG			B.D. TORQ	QUE F.L. RISE (°C)		(°C)	
294	LB-FT	7:	25	529	LB-FT	180%	764	LB-FT	260%	65		
	0 FT	DOWER	BOTO	2 WIZ2	MAY		0455.0		0745		MOTO	DWCT
25 75	3 FT. dBA	POWER 84 dBA	80TOF 35.0	LB-FT ²		OAD WK ² LB-FT ²	25 SAFE S	STALL TIME	STAR	2 2		R WGT
75	UDA		\$ 35.0	20-11	330		20	320.	1	2	13/3	1-0.
				*** SL	JPPLEME	INTAL INFO	ORMATI	ON ***				
ODE BRACKET MOUNT MOTOR SEVERE HAZAF				ARDOUS	DRIP							
DE BRACKET TYPE		TYPE	TYPE		NTATION DUTY				COVER	SCREENS	PAINT	
C-F	ACE	STANDARD	RIGID	HORIZ	ZONTAL	NO	DIVIS	ION 2 T2B	NO	NONE	BLUE - M	ARATHON
RFA	RINGS	[T				1			
DE	ODE	GREASE	SHAFT	TYPE	SPEC	CIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME	MATERIAL
BALL	BALL								1045 1107 5		0407	
6316	6314	POLYREX EN	ЛТ		N	ONE	Ν	IONE	1045 HOT H	OLLED (C-204)	CASI	r Iron
T	007/70	PROTECTO		TD'-		DTD	T	MOTORS			-	
	IOSTATS ONE	PROTECTOR NOT	S WDG F NON			A RTD'S ONE		MISTORS		NTROL ALSE		TERS NA
N.			NO		I IN		ľ		Г Г/			N/1
R1 (ohms/ph)		R2 (ohms/ph) X1 (ohn	ns/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.033		0.02	0.1		1 / 1 /		6.532		0.080		ODE	
N O				INVERTER TORQUE: VARIABLE 10:1								
т					INV. HP SPEED RANGE: NONE							
E								ENCODER:	NONE			
s								NONE				
*								NONE			NONE	PPR
					BRAKE:			_				
PREPARED BY: FAREEDA DUDEKULA			NONE NONE									
DATE : 5/3/2018			FT-LB: NA									
FORM: 3531 REV 4 2/27/06			VOLTAGE: NONE HZ: UL: NO LETTER - ME,WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 UL									
												, DIV. 2 UL

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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: 405TTFCD6038

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

Catalog No : GT1246A

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