PRODUCT INFORMATION PACKET



Model No: 286TTFCD6028 Catalog No: GT1231A

Globetrotter® General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

1800 & 1500 RPM, 286TC Frame, TEFC



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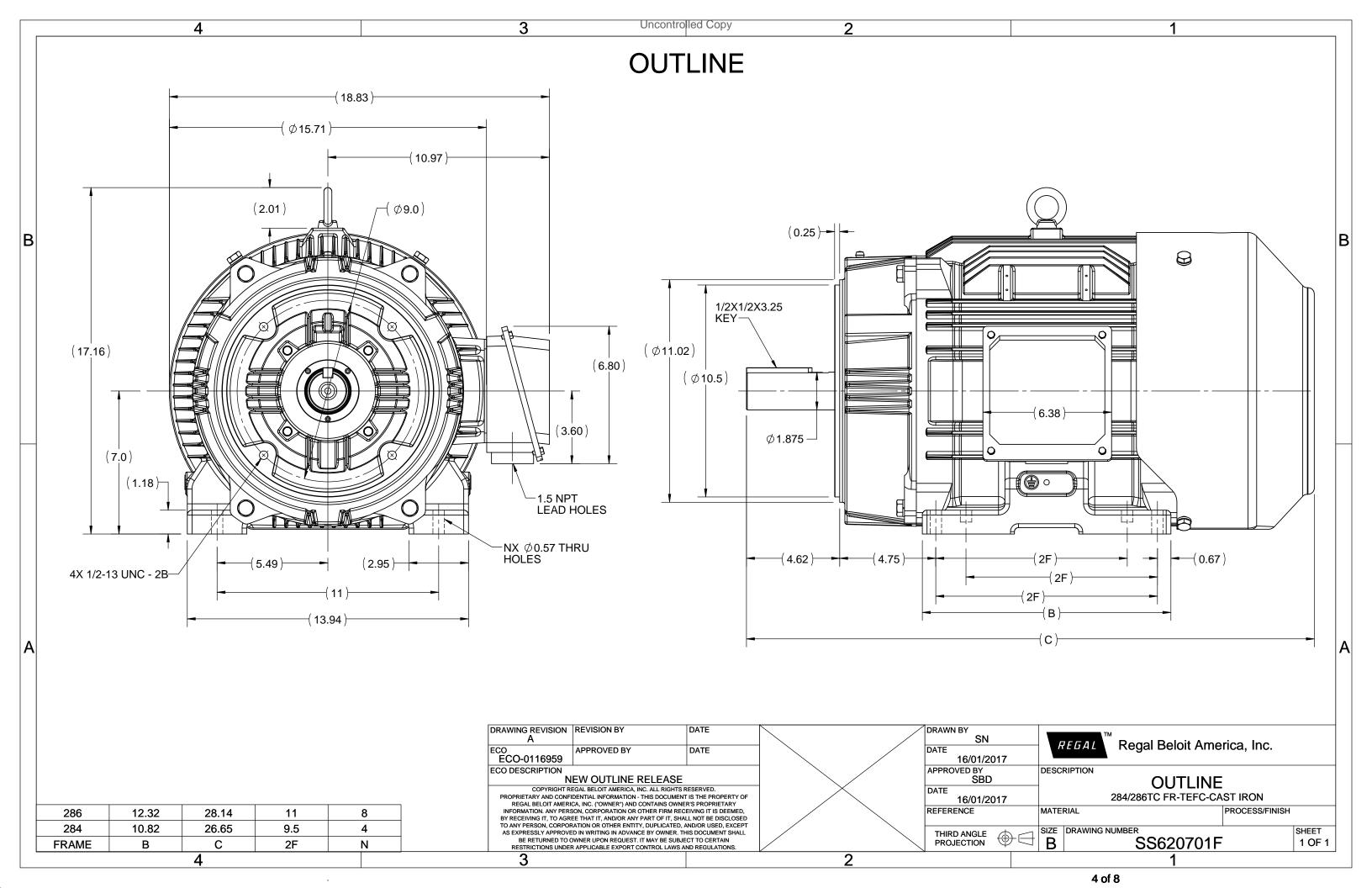
Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp			
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V			
Speed	1770 & 1470 rpm	Service Factor	1.15 & 1.15			
Frame	286TC	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93.6 & 92.8 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	71/35.5 & 71/35.5 A	Power Factor	84			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	G			
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211			
UL	Listed	CSA	Υ			
CE	Υ	IP Code	55			
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B			

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter Reversible			
Poles	4	Rotation				
Resistance Main	.27 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	28.14 in			
Frame Length	12.91 in	Shaft Diameter	1.875 in			
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE			
Inverter Load	CONSTANT 10:1/VARIABLE 10:1					
Outline Drawing	SS620701-200	Connection Drawing	EE7308AA			

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Uncontrolled Copy T12 (W4) T1 (U1) -T6 (W2) -T7 (U3) -T2 (V1) -T4 (U2) -- T6 (W2) T8 (V3) -- T9 (W3) T10 (U4) - T12 (W4) T3 (W1) - T1 (U1) T5 (V2) -T4 (U2) T9 (W3) -T7 (U3) T11 (V4) -T10 (U4) LOW VOLTAGE T2 (V1) T8 T5 Ti 111 T5 (V2) T12 (W4) - T8 (V3) T1 (U1) - T11 (V4) T4 (U2) - T3 (W1) T7 (U3) -T2 (V1) T10 (U4) -T5 (V2) T8 (V3) -T3 (W1) VIEW OF TERMINAL END T11 (V4) T6 (W2) T9 (W3) **HIGH VOLTAGE** DRAWING REVISION REVISION BY DRAWN BY 07-17-2015 LZ AJW REGAL Regal Beloit America, Inc. APPROVED BY ECO T. VUE 07-17-2015 ECO-0081632 01-12-1994 ECO DESCRIPTION APPROVED BY DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8 GK CONN DIAGRAM-EXTERNAL COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. DATE 3Ø-2/1 DELTA-12 LEADS 01-14-1994 REFERENCE MATERIAL PROCESS/FINISH BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT SIZE DRAWING NUMBER SHEET AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL THIRD ANGLE

PROJECTION

BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN

RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS

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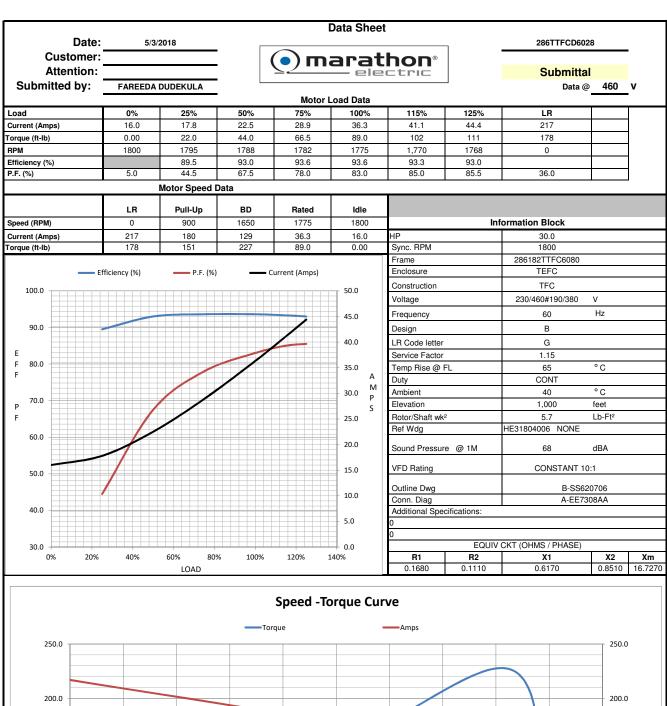
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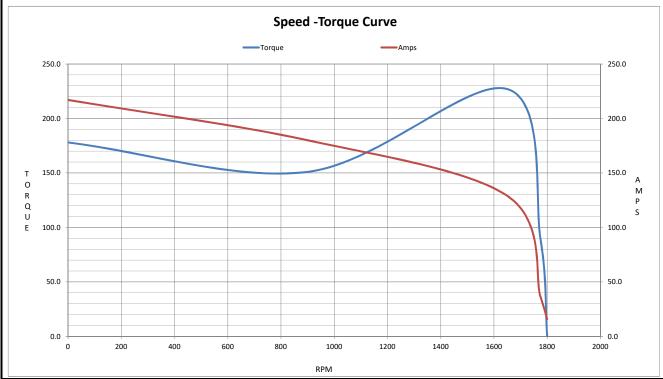
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P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

							elect	ric.						
									'		DATA VOLTS:	460		
					CE	RTIFICA	ATION DA	TA SHI	EET					
CUSTON	ΛER:							CUSTO	OMER P.O. #:					
ORDER #:						R			286TTFCD60	28		-		
CONN. DIAGRAM: A-EE7308AA			ВАА						CAT #:		1231A		_	
OUTLINE	:	B-SS6207	706					CUSTO	MER PART #:					
WINDING	à:	Н	E31804006	NONE	2				MOUNTING:	F1/F2 CAPAE	BLE		-	
SPEED:				_	/DIG 41				o=					
	1011	0.01	TYPICAL MOTOR PERFO							TYPE	10/4 00		DESIGN	
HP	KW	SYNC RPM		FL R	РМ	FI	FRAME		ENCLOSURE		KVA CODE		DESIGN	
30	22.4	2.4 1800		177	5	286TC		TEFC		TFC	G		В	
PH	HZ	HZ VOLTS		AMF	200	CTAL	START TYPE		DUTY		S.F.	AMB	ELEV.	
3	60/50)#190/380	72.5/36.58			RINVERTER		CONT	INSL F	1.15	40	3300	
- 3	00/30	230/400	J# 130/300	72.3/30.30	(73/30.3	LINE OI	INVLITIEN		JONI	<u> </u>	1.13	40	3300	
	F.L. EFF	93.6		3/4 LD EFF	93.6		1/2 LD EFF	93.0	GTD EFF		ELECT. TY	'PE		
	F.L. PF			3/4 LD PF	78.0		1/2 LD PF		93.0		SQ CAGE INV			
									ı.	•				
F.L. 1	TORQUE	LF	R AMPS @	460 V		L.R. TORG	QUE		B.D. TORQ	UE	F.L. RISE	(°C)		
89.0	LB-FT		217		178	LB-FT	200%	227	LB-FT	255%	65			
@	@ 3 FT. POWER		ROTOF	WK ²	MAX.I	LOAD WK ²	SAFE S	STALL TIME	STAR	TS/HOUR	мото	DR WGT		
68	dBA	77 dBA		5.7 LB-FT ²		225			SEC.	0.7	2	600	LB.	
				,			1	20		1			1	
					*** SL	JPPLEME	ENTAL INFO	ORMATI	ON ***					
		-	RACKET	MOUNT	_	TOR	SEVERE DUTY		ARDOUS	DRIP				
	DE BRACKET TYPE		YPE	TYPE				LOCATION		COVER	SCREENS	PAINT BLUE (ENAMEL)		
U-	FACE	STAN	NDARD	RIGID	HORIZ	ZONTAL	NO	ľ	NONE	NO	NONE	BLUE (=NAMEL)	
BE/	ARINGS	0.00		OUAFT	TVDE	005			DIAL ODE	SUAFE				
DE	ODE	GRI	EASE	SHAFT	TYPE	SPE	CIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL	
BALL	BALL	POLVI	REX EM	Т			IONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6311	6210	TOLII	TILX LIVI	'		'	IONL	NONE 1045 HO		1043110111	OLLLD (O-204)	UAG	IIION	
												SP	ACE	
THERMOSTATS		PROTE	ECTORS	WDG F	TD's	BRO	BRG RTD's		THERMISTORS		CONTROL		HEATERS	
N	IONE	N	IOT	NON	NONE NONE		IONE	NONE		FALSE		NA		
D4 /-	I	D0 /-1	h (l-)	V4 /-b	(I-)	V0 (-	- l (l- \	V (- l / l-\	VIDDAT	ION (:/)			
R1 (ohms/ph) 0.168			hms/ph) 111	•	X1 (ohms/ph) X2 (ohms/ph) 0.617 0.851		Xm (ohms/ph) 16.727		VIBRATION (in/sec) 0.150		FLOAT ODE			
	7.100	0.		0.0	,		7.001		0.727		.130		DL	
*														
N									INVERT	ER TORQUE:	CONSTANT 10	:1		
0	0						INV. HP SPEED RANGE: NONE							
Т														
E							ENCODER: NONE							
S *	S						NONE NONE PPR				PPR			
									BRAKE:	NONE				
PRE	PARED BY:	FAREED	A DUDEKU	LA						ONE	NONI	E		
PREPARED BY: FAREEDA DUDEKULA DATE: 5/3/2018						FT-LB:		NA						
								VOLTAGE: NONE HZ:						
FORM: 3531 REV_4 2/27/06							UL: V-INS, CONST UL REC							







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: 286TTFCD6028

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

Catalog No : GT1231A

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

Julian Clark Marketing Engineer

J. cerse

Authorized Representative in the Community:

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