PRODUCT INFORMATION PACKET



Model No: 405TSTDCD6028
Catalog No: GT0288
Globetrotter® General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 405TSC Frame, DP



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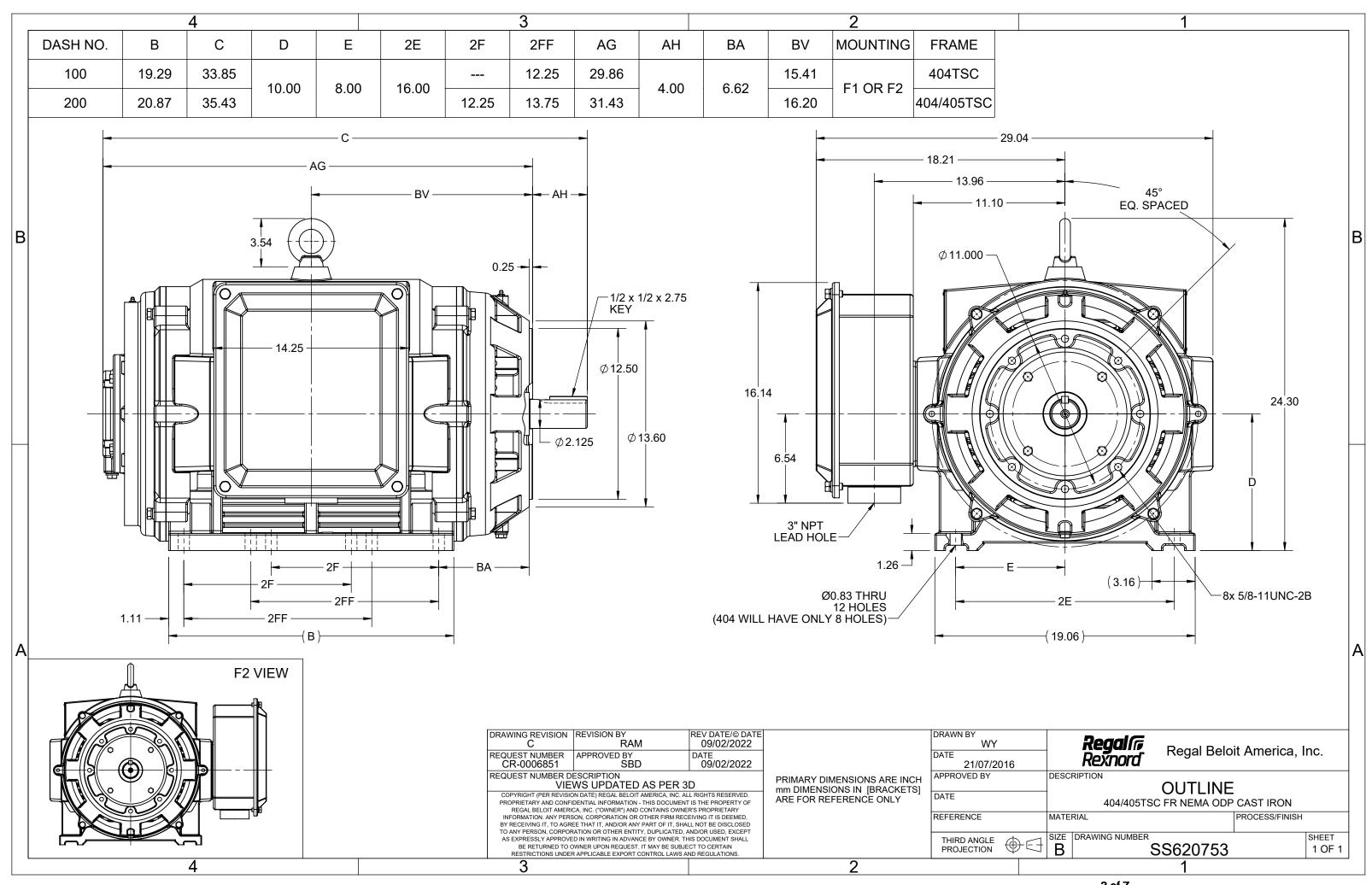
Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15
Frame	405TSC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	142 & 138 A	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Υ
CE	Υ	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.044 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7341C	Outline Drawing	SS620753-200

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EE7341C

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1 CONNECT T2&T8 TO LINE 2 CONNECT T3&T9 TO LINE 3

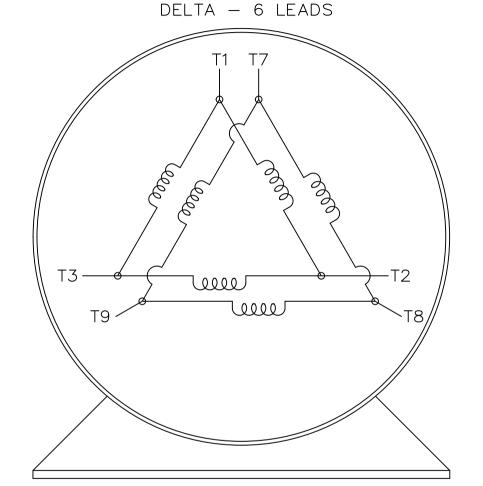
IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1 CONNECT T2,T2 TO LINE 2 CONNECT T3,T3 TO LINE 3 T7,T7-T8,T8-T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1 CONNECT T2,T2&T8,T8 TO LINE 2 CONNECT T3,T3&T9,T9 TO LINE 3

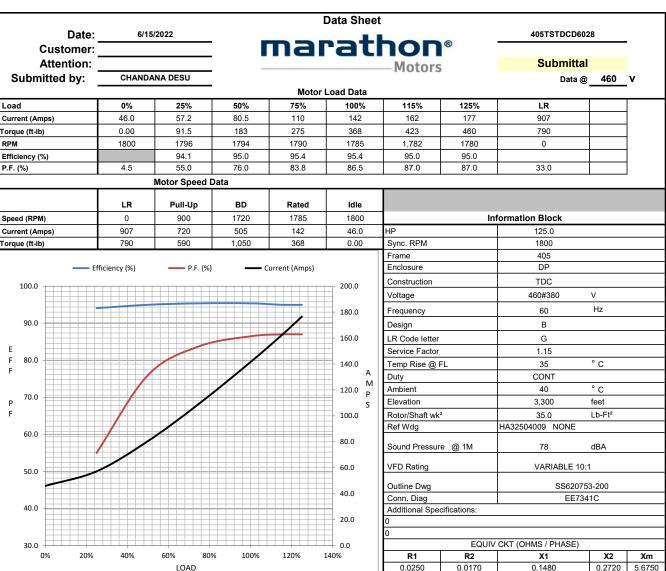


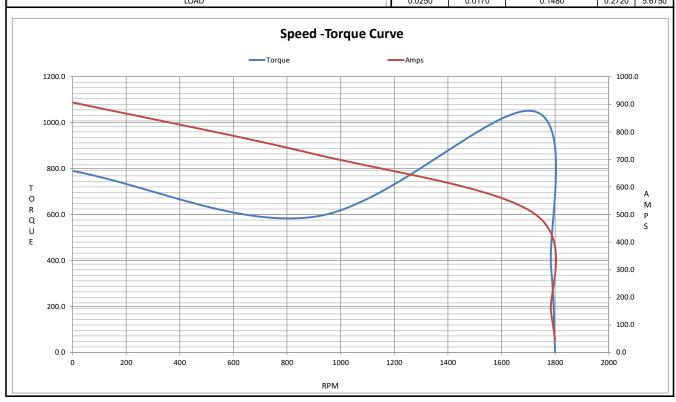
THREE PHASE - PART WINDING START

VIEW OF TERMINAL END

				TOL UNLES	ERAN S SP	ICES ECIFIED				DRAWN BLR	03-09-1998
				DEC.	IN	CHES	REGAL	REGAL - BELOIT CO	DRPORATION	CHK ML	03-23-1998
				.x	±	-				APPD GK	03-23-1998
				.xx	±	-	TITLE C	ONNECTION DIAGRA	SCALE	1=1	
Ε	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.xxx	±	-	3ø − 6 LEADS			REF	
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	ЕМН	.xxxx	±	-	MAT'L.			FMF	
NO.	REVISION	BY & DATE	снк	ANG	±	-	FINISH				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT							CAD FILE EE7341C		SIZE DRAWING N		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				DIST						E7341C	E

							P.O. BOX 8003						
manathan								WAUSAU, WI 54401-8003 PH. 715-675-3311					
marathon*									PH. 715-6	75-3311			
						Motors		DAT	A VOLTS:	460			
								DAI	A VOLIS.	400			
					CE	RTIFICATION DATA S	HEET						
сиѕтом	ER:						CUSTO	MER P.O. #:					
ORDER #						R		E MODEL #:	405TSTDC	D6028			
CONN. D		EE7341C					CAT #: CUSTOMER PART #: MOUNTING:			GT0288			
OUTLINE		SS620753-200											
WINDING SPEED:	i:	HA32504009	NONE	1					F1/F2 CAP	PABLE			
	TYPICAL MOTOR PERFORMANCE DATA												
НР	KW	SYNC RPM	FL	RPM		FRAME	ENCI	OSURE	TYPE KVA CODE			DESIGN	
125	93	1800	1	785		405TSC		DP	TDC	G		В	
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60/50	460#380	142	2&138		PWS OR INVERTER	С	ONT	F	1.15	40	3300	
	F.L. EFF	95.4	3/4 LD EFF	95.4		1/2 LD EFF	95.0	GTD EFF		ELECT.	TVDE		
	F.L. PF		3/4 LD PF	83.8		1/2 LD PF	76.0	95.0		SQ CAGE IN			
	L. TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TORQUI					
368	LB-FT	907		790 L	.B-FT	215%	1,050	LB-FT	285%	35			
SOUND	PRESSURE @ 3								1				
000.11	FT.	SOUND POWER	ROT	OR WK²		MAX. LOAD WK ²	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
78	dBA	87 dBA	35.0	LB-FT ²	650 LB-FT ²			20 SEC .		2		LB.	
			•		*** 01	IDDI EMENTAL INCODIA	TION ***						
		I	MOUNT		*** St	IPPLEMENTAL INFORMA		RDOUS	DRIP				
DE BE	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	ENTATION SEVERE DUTY		LOCATION		COVER SCREENS		PAINT		
	C-FACE	STANDARD	RIGID	HORIZON1	TAL	NO	NONE		YES NONE		BLUE (ENAMEL)		
DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL	BALL												
6316	6315	POLYREX EM		TS		NONE	NONE		1045	HOT ROLLED (C-204)	CAST IRON		
	ERMOSTATS	PROTECTORS	wo	RTD's		DD0 DTD1	T.1.E.D.			CONTROL	SPAC	E HEATERS	
THE	NONE	NOT		ONE	BRG RTD's NONE		THERMISTORS NONE		FALSE			NA	
	NONE	1101	14	ONE		NONE		OIVE		TALUL		IVA	
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
	0.025	0.017	0	.148		0.272	5.675			0.150	ODE		
N								INVERTER	TOROUE:	VARIABLE 10:1			
0						INV. HP SPEED RANGE: NONE							
т													
E							ENCODER: NONE						
S							NONE						
H -							NONE NONE PPR BRAKE: NONE					PPR	
1	PREPARED BY: CHANDANA DESU						NONE NONE						
1	DATE:	6/15/2022						FT-LB:		NA NONE			
1							VOLTAGE: NONE HZ:						
FORM: 3	531 REV 4	2/27/06					UL:	V - LI,ME-INS	CONST U	L 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: 405TSTDCD6028

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

Catalog No: GT0288

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:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark
Marketing Engineer

(€ 22