## **PRODUCT INFORMATION PACKET**

Model No: 405TTTCD16537 Catalog No: U1879A Globetrotter® General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 405TV Frame, TEAO



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marathon®

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# marathon®

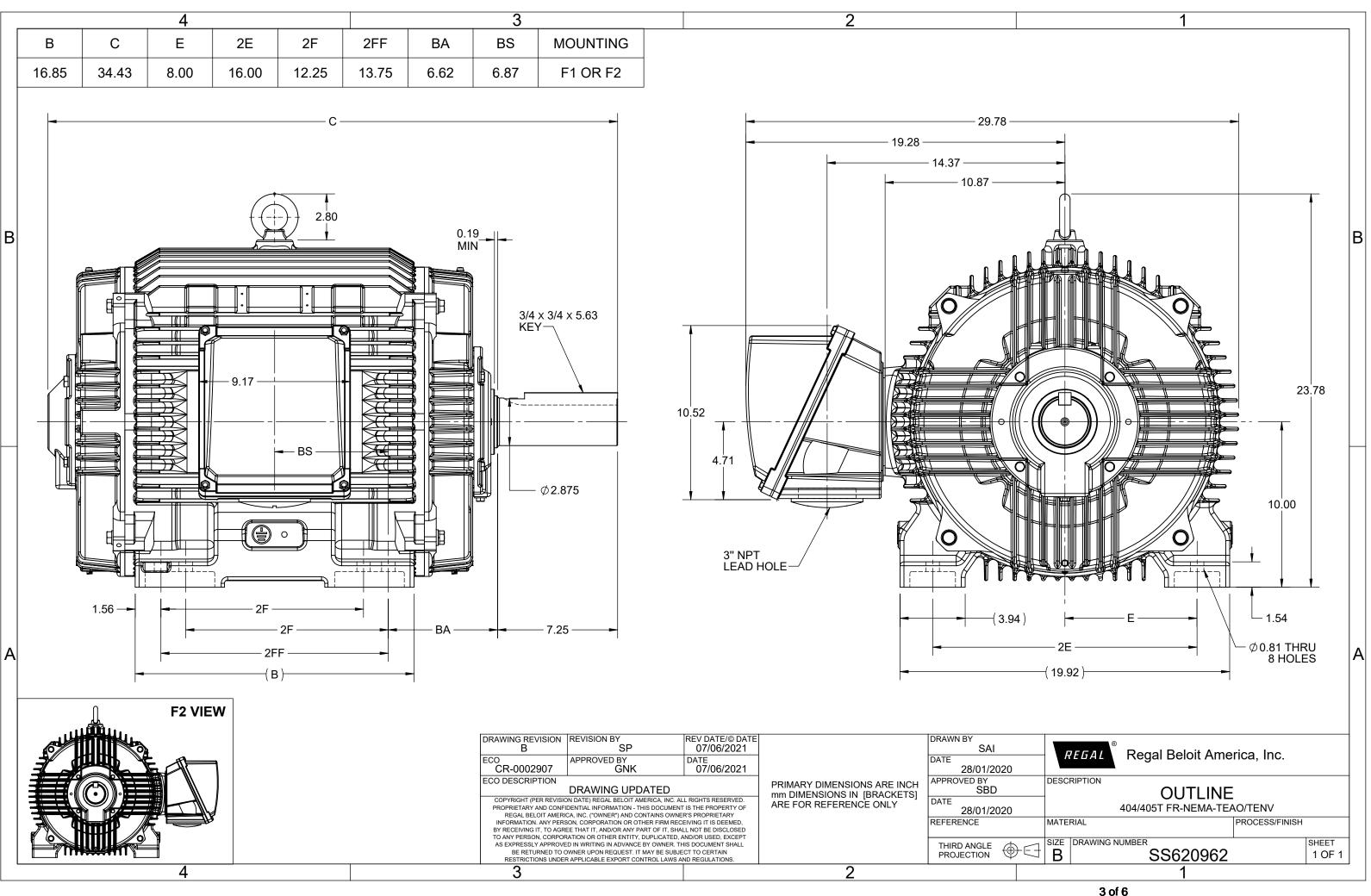
#### Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp			
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V			
Speed	1785 & 1485 rpm	Service Factor	1.15 & 1.15			
Frame	405TV	Enclosure	Totally Enclosed Air Over			
Thermal Protection	No Protection	Efficiency	95.4 & 94.6 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	226/113 & 206/103 A	Power Factor	87			
Duty	Continuous	Insulation Class	н			
Design Code	В	KVA Code	G			
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314			
UL	Recognized	CSA	Y			
CE	Y	IP Code	56			
Number of Speeds	1					

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Up Or Down	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 2:1/VARIABLE 10:1
Outline Drawing	SS620962	Connection Drawing	EE7308K

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		Unco	ontroll	ed Copy					
LOW VOLTAGE								EE	7308K
T1(U1) T6(W2) T7(U3)									
T2(V1) T4(U2) T8(V3)	<u>)</u>								
T3(W1) T5(V2) T9(W3)	3			_		• T9 T4 •			-T6(W2) -T9(W3) -T1(U1) -T4(U2)
HIGH VOLTAGE T1(U1)L1				/	C C	Jon Jon			-T7(U3) -T2(V1) -T5(V2)
T4(U2) T7(U3)									-T8(∨3) -T3(W1)
T2(V1)La	) -	/			~				
T5(V2) T8(V3)	/								
T3(W1)L3	}			/IEW	/ 🗆 F	TERMINAL	END		
T6(W2)									
		l	TOLE UNLESS	ERANCES SPECIFIEI		ANN NIKA NA		DRAWN	PGK 06-04-1997
E CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH		INCHES	R	EGAL REGAL - BELO	OIT CORPORATION	СНК	ML 06-05-1997
D RE-DRAWN WITH REGAL LOGO ECO-0110493 8 ADDED IEC DESIGNATIONS MU95020	WGJ 09-30-2016 TJW 4/30/2010	EMH MJS		±.1 ±.02	TITLE		CDAM	APPD SCALE	GK 06-15-1997
8 ADDED IEC DESIGNATIONS MU95020 7 REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998			±.02		CONNECTION DIA DELTA CON, - 30 -		REF	
6 REDRAWN ON CADD	PGK 06-05-1997			±.0005	MAT'L.			FMF	
ND. REVISION	BY & DATE	СНК		±7′30″	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NO		RFP	· · · · ·		CAD FILE	EE7308K	SIZE DRAWING		
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCAL		DIST					A E	E7308	K E

75         dBA         84         dBA         35.0         LB-FT <sup>2</sup> 575         LB-FT <sup>2</sup> 25         SEC.         2         1575         LB.           *** SUPPLEMENTAL INFORMATION ***           DE BRACKET TYPE         ODE BRACKET TYPE         MOUNT         NONE         NONE         NONE         NONE         NONE         MOUNT         MOUNT         MATERIAL         FRAME MATERIAL <th></th> <th></th> <th></th> <th></th> <th>ma</th> <th>ГЗ</th> <th>athon® Motors</th> <th></th> <th>DAT</th> <th>P.O. BOX WAUSAU, PH. 715-6 A VOLTS:</th> <th>WI 54401-8003</th> <th></th> <th></th>					ma	ГЗ	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
ORDER #:         CAT #: <thcat #:<="" th=""> <thcat #:<="" th=""> <thcat #:<="" <="" td=""><td></td><td></td><td></td><td></td><td></td><td>CEF</td><td>RTIFICATION DATA S</td><td>HEET</td><td></td><td></td><td></td><td></td><td></td></thcat></thcat></thcat>						CEF	RTIFICATION DATA S	HEET						
CONN. DIGRAM:         EE700K SS209013         NI         Current of the second of the secon							-							
NINDING:         HA3504013         R1         2         MOUNTING:         FURZ CAPABLE           SPEED:         TYPICAL MOTOR PERFORMANCE DATA           HB         KW         SYNC RPM         FL RPM         FRAME         ENCLOSURE         TYPE         KVA CODE         DESION           10         KW         SYNC RPM         FL RPM         FRAME         ENCLOSURE         TYPE         KVA CODE         DESION           0         75         1800         TYPE         KVA CODE         DESION           3         0899         20401532020103         LINE GR INVERTER         OUT         NSL         S.F.         AMB         ELEC.           FL EFF         964         34 LD EFF         954         TZ LD EFF         94.8         GT EEFF         ELECT. TYPE           224         LBFT         776         954         LBFT         200%         O         O           50 UND PRESURE 0.3         SUND.         PARCKET TYPE         210%         854         LBFT         200%         O         I           60 UND PRESURE 0.3         SUND.         POWER         ROTOR WR/         MAX LOAD WK         SAFE STALT TIME         STARTSHOUR         APROX.         MOUNT WIT           5	CONN. D	IAGRAM:					 CAT #:				: U1879A			
HP         KW         SYNC RPM         FL RPM         FRAME         ENCLOSURE         TYPE         KVA CODE         DESIGN           100         75         1800         1785         405TV         TEA         TTC         G         B           3         6050         2204695190380         220113209103         LINE OR INVERTER         CONT         H         1.15         40         3300           FL EFF         96.4         3/4 LD EFF         96.4         1/2 LD EFF         94.8         CTO EFF         ELECT. TYPE           FL TORQUE         LR AMPS & 400 V         LR. TORQUE         B.D. TORQUE         FL RISE (* O)             0         0            SOUND PRESNE @ 3         SOUND POWER         ROTOR WK*         MAX LOAD WK*         SAFES TALL THE         STARTSHOUR         APROX         MOTOR WG           350         LB-F1*         575         LB-F1*         755         B.D. TORQUE         2         1575         LB.           51AULAPT         760         618         LB-F1*         775         B.S.         COROUT         APROX         MOTOR WG           75         96A         49 dBA         GOD WK*         MAX LOAD WK*	WINDING			R1	2					F1/F2 CAP	ABLE			
100         75         1800         1785         4057V         TEAO         TC         G         B           H         HZ         VOLTS         AMPS         START TYPE         DUTY         MSL         S.F.         AMB         ELEV.           3         6050         230466#190380         2281138209/103         LDRE OR INVERTER         CONT         H         1.15         40         3300           FL.EFF         95.4         34 LD EFF         95.4         1/2 LD FFF         95.6         GTD EFF         ELECT. TYPE           FL.TOROUE         LR.AMPS @ 40 V         618         LB-FT         210%         854         LB-FT         20%         0             294         LB-FT         786         0         618         LB-FT         210%         854         LB-FT         20%         0               50.0         LB-FT         210%         854         LB-FT         20%         0						YPICAL								
PH         HZ         VOLTS         AMPS         START TYPE         DUTY         INSL         S.F.         AMB         ELEV.           3         6050         22/47134.2034/03         LINE OR INVERTER         CONT         H         1.15         40         3300           FL.EFF         95.4         34 LD EFF         95.4         1/2 LD EFF         94.8         GTD EFF         ELECT.TYPE           FL.TORQUE         LR AMPS @ 400 V         616         LB-FT         200%         550         SQ CAGE MV RATED           29/L LB-FT         76         616         LB-FT         210%         854         LB-FT         200%         0            SOUND POWER         ROTOR WK         LR.TORQUE         BA.TORQUE         STARTSHOUR         APROX.         MOTOR WG           FT.         76         64         616         LB-FT         200%         0              SOUND POWER         ROTOR WK         MAX.LOAD WK'         SAFE STALLIME         STARTSHOUR         APROX.         MOTOR WG           FT.         768         06         BEARMOS         GOREASE         SHAFT TYPE         SVEREDUTY         MOARNOUS         OVER         SCREENS         PANT </td <td></td>														
3         0050         230460#190380         2281138208/103         LINE OR INVERTER         CONT         H         1.15         4.0         3380           FL EFF         95.4         34 LD PF         95.4         172 LD EFF         94.8         GTO EFF         ELECT TYPE           FL TORQUE         LR AMPS @ 40.0V         LR TORQUE         B.0. TORQUE         SOCAGE INVRATED           294         LB+T         786         618         LB+T         210%         654         LB+T         290%         0	100	15	1800		785		40317		EAU	110	6		в	
FL. PF         870         34 LD PF         850         112 LD PF         77.5         95.0         SQ CAGE NV RATED           FL. TORQUE         IR. AMPS @ 460 V         L.R. TORQUE         B.D. TORQUE         FL. RISE (° C)           294         LB-FT         210%         854         LB-FT         20%         0           SOUND PRESSURE @ 3 FT.         SOUND         POWER         ROTOR WK'         MAX. LOAD WK'         SAFE STALL TME         STARTSHOUR         APROX.         MOTOR WG           75         0         35.0         LB-FT2         57         LB-FT2         26         SEC.         2         1575         LB.           SUPPLEMENTAL INFORMATION **           ** SUPPLEMENTAL INFORMATION **           BE BRACKET TYPE         OOE BRACKET TYPE         MOTOR ORENTATION         SEVERE DUTY         NONE         NONE         NONE         BLUE - RAL 5003 (EPOXY)           STANDARD         STANDARD         RIGID         RIGID         RIGID         RIGID         RIGID         RIGID         SPECIAL DE         SPECIAL DE         SHAFT         MATERIAL         FRAME MATERIAL           BALL         BALL         BALL         BALL         POLYREX EM         T         NONE         NONE						L								
FL TORQUE         LR AMPS @ 460 V         LR. TORQUE         B.D. TORQUE         F.L. RISE (* C)           294         LB+T         786         518         LB+T         210%         854         LB+T         290%         0           SOUND PRESSURE @ 3 FL. RISE (* G)           75         dBA         64         dBA         35.0         LB+T*         575         LB+T*         225         SEC.         2         1575         LB.           *** SUPPLEMENTAL INFORMATION ***           MAX. LOAD WK*         SAFE STALL TIME         STATISHOUR         APROX.         MOTOR WG           *** SUPPLEMENTAL INFORMATION ***           MOUNT TYPE         ODE BRACKET TYPE         ODE BRACKET TYPE         MOTOR ORIGINATION         SEVERE DUTY         LOCATION         COVER         SCREENS         PAINT           STANDARD         RIGID         RIGID         RIGID         RIGID         RIGID         RIGID         RIGID         RIGID         RIGID         RIAFT         MAXE         NONE         NONE         NONE         NONE         RIAFT         MATERIAL         FRAME MATERIAL           BALL         DALL         BOL         CONTROL         SPACE														
294         LB+FT         210%         854         LB+FT         210%         0         0           SOUND PRESSURE @3 75         SOUND POWER         ROTOR WK*         MAX_LOAD WK*         SAFE STALL TIME         STARTSHOUR         APROX         MOTOR WG           75         dBA         64         dBA         35.0         LB+FT         575         LB+FT <sup>2</sup> 25         SEC.         2         1575         LB.           ***SUPPLEMENTAL INFORMATION ***           DE BRACKET TYPE         OOE BRACKET TYPE         MOUNT         TYPE MOTOR ORIENTATION         SEVERE DUTY         LOCATION         COVER         SCREENS         PAINT           STANDARD         STANDARD         STANDARD         RIGID	F.I				03.0	L.R. 1								
FT.         SOUND         POWER         ROTOR WK*         MAX. LOAD WK*         SAFE STALL TIME         STARTSHOUR         APROX.         MOTOR WG           75         dBA         84 dBA         35.0         LB-FT2         25         SEC.         2         1575         LB.           *** SUPPLEMENTAL INFORMATION         ***         SUPPLEMENTAL INFORMATION           DE BRACKET TYPE         ODE BRACKET TYPE         MOUNT         MOTOR ORIGENTATION         SEVERE DUTY         LOCATION         DRIP         SCREENS         PAINT           STANDARD         STANDARD         RIGID         RIZONTAL OR UP OR DO         PREMUM SEVERE DUTY         NONE         NONE         BLUE - RAL. 5003 (EPOXY)           DEEARINGS         GREASE         SHAFT TYPE         SPECIAL DE         SPECIAL ODE         SHAFT         MATERIAL         FRAME MATERIAL           BALL         BALL         BALL         POLYREXEM         T         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           6316         ODE         NONE         NONE         NONE         FALSE         NA           MALL         BALL         POLYREXEM         T         NONE         NONE         FALSE         NA <td></td> <td></td> <td></td> <td></td> <td>618 L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					618 L									
*** SUPPLEMENTAL INFORMATION ***           DE BRACKET TYPE         MOUNT TYPE         MOUNT TYPE         MOTOR ORIENTATION RIGID         SEVERE DUTY NO RE         LOCATION LOCATION         DRIP COVER         SCREENS         PAINT           STANDARD         STANDARD         RIGID         RIZONTAL OR UP OR DO RIZONTAL OR UP OR DO RIZONTAL OR UP OR DO PREMIUM SEVERE DUTY         NONE         NONE         SCREENS         PAINT           BEARINGS         GREASE         SHAFT TYPE         SPECIAL DE         SPECIAL ODE         SHAFT         MATERIAL         FRAME MATERIAL           BALL         BALL         POLYREX EM         T         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           THERMOSTATS         PROTECTORS         WDG RTD'S         BRG RTD'S         THERMISTORS         CONTROL         SPACE         HEATERS           NONE         NONE         NONE         NONE         FALSE         NA           CO1         NONE         NONE         NONE         FALSE         NA           NONE         NONE         NONE         NONE         FALSE         NA           CO1         NONE         NONE         NONE         FALSE         NA           0.035         0.022         0.154         0.261		FT.											MOTOR WGT	
DE BRACKET TYPE         ODE BRACKET TYPE         MOUNT TYPE         MOTOR ORIENTATION RIGID         SEVERE DUTY RIGID         HAZARODUS LOCATION         DRIP COVER         SCREENS         PAINT           STANDARD         STANDARD         RIGID         RIZONTAL OR UP OR DO         PREMIUM SEVERE DUTY         NONE         NONE         NONE         BLUE - RAL 5003 (EPOXY)           BEARINGS         GREASE         SHAFT TYPE         SPECIAL DE         SPECIAL ODE         SHAFT         MATERIAL         FRAME MATERIAL           BALL         BALL         BALL         POLYREX EM         T         NONE         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           6316         G314         T         NONE         NONE         NONE         NONE         SPACE         HEATERS           NONE         NOT         NONE         NONE         NONE         FALSE         NA           R1 (ohms/ph)         R2 (ohms/ph)         X1 (ohms/ph)         X2 (ohms/ph)         Xm (ohms/ph)         VIBRATION (in/sec)         FLOAT           0         0.035         0.022         0.154         0.261         6.032         0.080         ODE           NONE         NONE         NONE         NONE         NONE         NONE <t< td=""><td>75</td><td>dBA</td><td>84 <b>dBA</b></td><td>35.0</td><td>LB-FT<sup>2</sup></td><td></td><td></td><td></td><td></td><td></td><td>2</td><td>1575</td><td>LB.</td></t<>	75	dBA	84 <b>dBA</b>	35.0	LB-FT <sup>2</sup>						2	1575	LB.	
BEARINGS         GREASE         SHAFT TYPE         SPECIAL DE         SPECIAL ODE         SHAFT         MATERIAL         FRAME MATERIAL           BALL         BALL         POLYREX EM         T         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           6316         6314         T         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           THERMOSTATS         PROTECTORS         WDG RTD'S         BRG RTD'S         THERMISTORS         CONTROL         SPACE         HEATERS           NONE         NOT         NONE         NONE         NONE         FALSE         NA           R1 (ohms/ph)         R2 (ohms/ph)         X1 (ohms/ph)         X2 (ohms/ph)         Xm (ohms/ph)         VIBRATION (in/sec)         FLOAT           0.035         0.022         0.154         0.261         6.032         0.080         ODE           N	DE BF	RACKET TYPE	ODE BRACKET TYPE		MOTOR ORIEN			HAZARDOUS			SCREENS	PAINT		
DE         ODE         GREAGE         SHAFT TYPE         SPECIAL DE         SPECIAL DE         SPECIAL DE         SHAFT         MATERIAL         PRAME MATERIAL           BALL         BALL         POLYREX EM         T         NONE         NONE         1045 HOT ROLLED (C-204)         CAST IRON           G316	S	TANDARD	STANDARD	RIGID	RIZONTAL OR U	JP OR DO	PREMIUM SEVERE DUTY	N	ONE	NO	NONE	BLUE ·	RAL 5003 (EPOXY)	
6316         6314         POLYREXEM         I         NONE         NONE         1049 HOLVREXEM         CONTROL         CONTROL         CONTROL           THERMOSTATS         PROTECTORS         WDG RTD'S         BRG RTD'S         THERMISTORS         CONTROL         SPACE         HEATERS           NONE         NOT         NONE         NONE         NONE         FALSE         NA           Image: Control of the con	DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHA	FT MATERIAL	FR	AME MATERIAL	
THERMOSTATS         PRCINCS         WDG RTD'S         BRG RTD'S         THERMISTORS         CONTOL           NONE         NOT         NONE         NONE         NONE         NONE         NONE         NA           R1 (ohms/ph)         R2 (ohms/ph)         X1 (ohms/ph)         X2 (ohms/ph)         Xm (ohms/ph)         VIBRATION (in/sec)         FLOAT           0.035         0.022         0.154         0.261         6.032         0.000         ODE           *			POLYREX EM		т		NONE	N	ONE	1045	HOT ROLLED (C-204)		CAST IRON	
R1 (ohms/ph)         R2 (ohms/ph)         X1 (ohms/ph)         X2 (ohms/ph)         Xm (ohms/ph)         VIBRATION (in/sec)         FLOAT           0.035         0.022         0.154         0.261         6.032         0.080         ODE	THE											SPAC		
0.035     0.022     0.154     0.261     6.032     0.080     ODE       N     INVERTER TORQUE:     CONSTANT 2:1/VARIABLE 10:1     INVERTER TORQUE:     CONSTANT 2:1/VARIABLE 10:1       N     INV. HP SPEED RANGE:     NONE       T     INV. HP SPEED RANGE:     NONE       S     NONE     NONE       PREPARED BY:     INVERTER TORQUE:     NONE       DATE:     10/29/2021     INV. HP SPEED RANGE:     NONE		NONE	NOT	N	ONE		NONE	N	ONE		FALSE		NA	
N         INVERTER TORQUE:         CONSTANT 2:1/VARIABLE 10:1           0         INV. HP SPEED RANGE:         NONE           T         INV. HP SPEED RANGE:         NONE           E         Encoder:         NONE           S         NONE         NONE           PREPARED BY:         BRAKE:         NONE           DATE:         10/29/2021         FT-LB:         NA								v						
E         ENCODER: NONE           S         NONE         NONE           NONE         NONE         NONE           PREPARED BY:         BRAKE: NONE         NONE           DATE:         10/29/2021         FT-LB: NA           VOLTAGE:         NONE         H	N O							IN				10:1		
BRAKE: NONE           PREPARED BY:         NONE           DATE:         10/29/2021           FT-LB:         NA           VOLTAGE:         NONE	s							NONE	NONE		NONE	PPR		
													HZ:	

