# **PRODUCT INFORMATION PACKET**

Model No: 284TSTGCD6505 Catalog No: C502 Hazardous Duty® Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 284TSC Frame, EPFC



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marathon®



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# marathon<sup>®</sup>

#### **Nameplate Specifications**

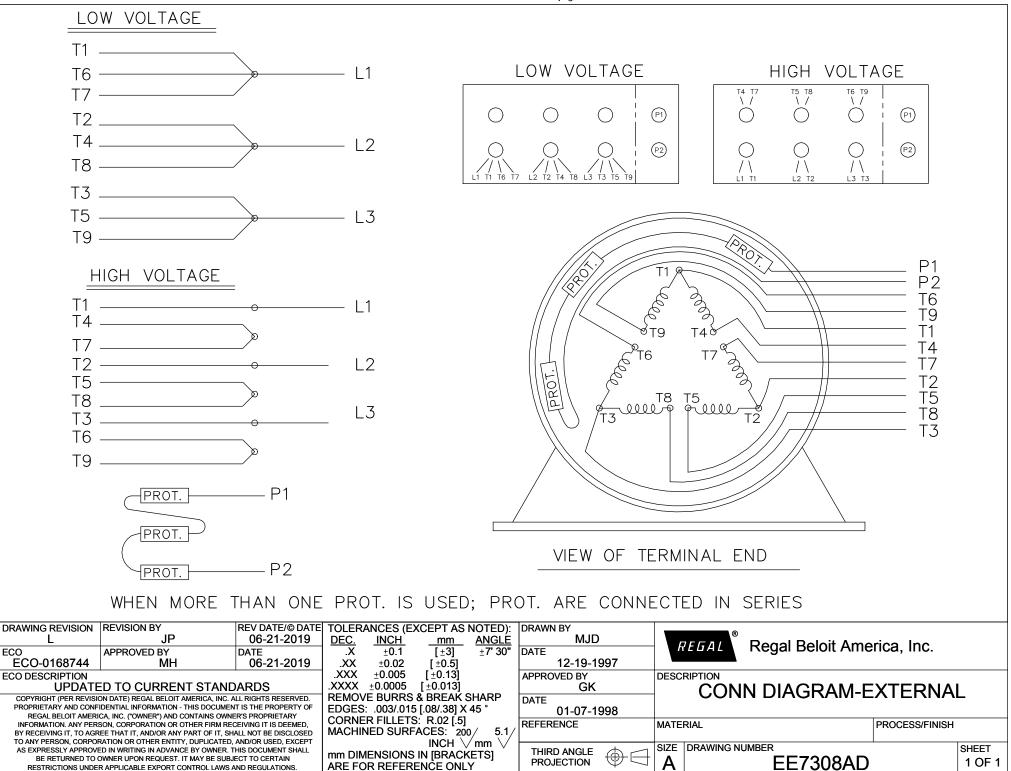
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	3555 & 2955 rpm	Service Factor	1.00 & 1.00
Frame	284TSC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	91.7 & 91 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	60/30 & 58/29 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C

### **Technical Specifications**

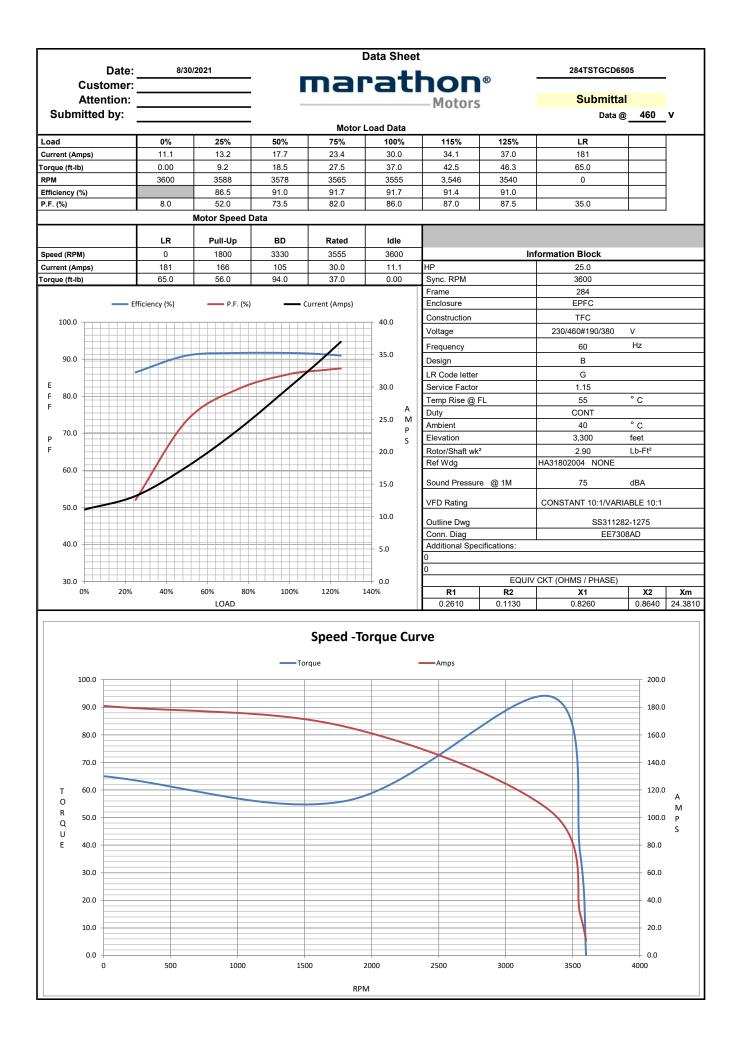
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line		
Poles	2	Rotation	Reversible		
Resistance Main	.395 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	TS	Shaft Diameter	1.625 in		
Assembly/Box Mounting	F1 ONLY				
Outline Drawing	SS311282-1275	Connection Drawing	EE7308AD		

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C-FACE STANDARD RIGID HORIZONTAL PREMIUM SEVERE DUTY ROOF CLIGR C&D CLII NO NONE BLUE - RAL   BEARINGS GREASE SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT MATERIAL FRAME I   BALL BALL POLYREX EM TS NONE NONE 1045 HOT ROLLED (C-204) CAS   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   THERMOSTATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CONTROL SPACE   R 0.0113 <				WI 54401-8003	P.O. BOX WAUSAU, PH. 715-6 VOLTS:			athon® Motors	ага	ma					
ONDER     EFFENCE NOEL # SATISTICATION     SATISTICATION SATISTICATION     CAT # SATISTICATION     CAT # SAT # SATISTICATION    CAT # SAT # SAT							HEET	RTIFICATION DATA S	CEF						
CONK. DAGRAM.     E7308AD SS11282-1275     CONK     CAT #: SS11282-1275     CONK     CONK       WIDNING:     H/3180204     NONE     2     MOUNTING:     FI ONLY       SPEED:     H/3180204     NONE     2     MOUNTING:     FI ONLY       MP     KW     SYNC RPM     FL RPM     FRAME     EXCLOSURE     TYPE     KVA CODE															
OUTLINE:   SS11282-1275 HA318020   ONE   2   CUMUNTUS:		_			284TSTGC		EFERENCE M	F							
WINDING     HA3 180200     NOR     2     MOUNT INS.     FI ONL*       SPEED:     TYPICAL MOTOR PERFORMANCE DATA     TYPICAL MOTOR PERFORMANCE DATA     KVA CODE     A       HP     KW     SYNC RPM     FL RPM     FRAME     ENCLOSURE     TYPE     KVA CODE     A       23     18.7     3600     3555     24478C     EPFC     TFC     G     A       PH     KZ     VOLTS     AMPS     START TYPE     DUTY     INSL     S.F.     AMB       3     80.90     2304000190280     0003085020     LINE OR NVERTER     CONT     INSL     S.F.     AMB       7.1     12 LD EFF     91.0     T20.0     B.F.T     AND     SO CAGE IN PATE     SO CAGE IN PATE       FL. FF     83.0     34 LD EFF     91.7     1/2 LD EFF     91.0     EECT. TYPE     EECT. TYPE     SO CAGE IN PATE       SOUND PRESSURE @ 3     30 UND POWER     ROTOR WK'     MAX LOAD WK'     SARE STALL TIME     STARTSHOUR     APROX       SOUND PRESSURE @ 3     SOUND POWER     ROTOR ORINT<				C502			CUSTOMER								
SPEED:     Image: Control of		_			F1 ONLY					2	NONE		3331120		
HP     KW     SYNC RPM     FL RPM     FRAME     ENCLOSURE     TYPE     KVA CODE       25     18.7     3600     3555     284TSC     EPFC     TFC     G       7     0050     230460#190/380     60/30856/29     LINE OR INVERTER     CONT     F     1.15     40       7     FL EFF     91.7     34 LD EFF     91.0     GTD EFF     ELECT. TYPE       7.1     12 LD EFF     91.0     GTD EFF     ELECT. TYPE     SO CAGE NV RATED       7.1     18.0     65.0     LB-FT     176%     94.0     LB-FT     20     SO CAGE NV RATED       3.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     20     SEC.     2     460     LB.       7.5     GBA     84     GBA     2.90     LB-FT     30     LB-FT     20     SEC.     2     460     LB.       CF-ACE     SOUND     POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSHOUR     AP										-	HOLE	10101002001			
HP     KW     SYNC RPM     FL RPM     FRAME     ENCLOSURE     TYPE     KVA CODE       25     18.7     3000     3555     284T8C     EPFC     TFC     G     C       7     060     230460#190380     6030858/29     LINE OR INVERTER     DUTY     INSL     S.F.     AMB       3     6050     230460#190380     6030858/29     LINE OR INVERTER     CONT     F     1.15     40       FL.EFF     91.7     34 LD EFF     91.0     GTD EFF     ELCT.TYPE     SO CAGE NV RATED       37.0     LB-T     181     65.0     LB-FT     176%     94.0     LB-T     236     91.0     SO CAGE NV RATED       30.0     LB-T     181     65.0     LB-FT     176%     94.0     LB-T     24%     55     55     55     55     50     50     55     55     50     56     56     56     56     56     56     56     56     56     56     56     56     56     56     5						4	NCE DAT	MOTOR PERFORMA	YPICAL	1					-
PH     HZ     VOLTS     AMPS     START TYPE     DUTY     INSL     S.F.     AMB       3     6050     2304698190.308     6030858/29     LINE OR NVERTER     CONT     F     1.15     40       3     6050     2304698190.308     6030858/29     LINE OR NVERTER     CONT     F     1.15     40       FL.EFF     91.7     34 LD EFF     91.7     1/2 LD EFF     91.0     SO CAGE INV RATED       FL.TORQUE     LB.AMPS & 400 V     LR.TORQUE     B.D.TORQUE     FL.INS (* G)     55         37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     264%     55         30NO PRESSURE @ 3     SOUND     POWER     ROTOR WK*     MAX.LOAD WK*     SAFE STALL TIME     STARTSHOUR     APROX.       75     dBA     84 dBA     2.90     LB-FT     2.0     SEC.     2     40     LB-FT       C-FACE     STANDARD     REGID     MOTO ROMENTATION     SEVERE DUTY     LOCATION	DESIGN			KVA CODE	TYPE						FL	SYNC RPM		ĸw	HP
PH     HZ     VOLTS     AMPS     START TYPE     DUTY     INSL     S.F.     AMB       3     6050     23046091903080     6030858/29     LINE OR INVERTER     CONT     F     1.15     40       FL.EFF     91.7     34 LD EFF     91.7     1/2 LD EFF     91.0     GTO EFF     ELECT. TYPE       FL. TORQUE     LB.AMPS @ 40.0'     LR.TORQUE     B.D. TORQUE     F.L. ISB(C*G)     SO CAGE INV RATED       37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     264%     55         37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     264%     55         SOUND PERSURE @ 3     SOUND POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSHOUR     APROX.       75     dBA     84 dBA     2.90     LB-FT     20     SEC.     2     40     LB-FT       C-FACE     ODE BRACKET TYPE     MOTOR ORIENTATION     SEVERE DUTY     LOCATION															
3     0050     230/460#190/380     60/30458/29     LINE OR INVERTER     CONT     F     1.15     40       FL PF     917     34 LD EFF     917     1/2 LD EFF     910     GTD EFF     ELECT. TYPE       FL PF     680     34 LD PF     82.0     1/2 LD PF     73.5     91.0     SOCAGE INV RATED       FL TORQUE     LT AMPS @ 460 V     LR TORQUE     B.D. TORQUE     B.D. TORQUE     FL. RISE (* C)     2       30/10     DEFT     181     65.0     LB - T     176%     94.0     LB - T     254%     PL - RE       SOUND PRESSURE @ 3     SOUND     POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSHOUR     APROX.       75     84 dBA     2.90     LB - F1     30     LB - F2*     20     SEC.     2     2     400     LB.       CACKET TYPE     ODE BRACKET TYPE     ODE BRACKET TYPE     MOUNT     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       CACACE     STANDARD     RIGID	В			G	TFC		EPFO	284TSC		3555	3	3600		18.7	25
3     60/50     230/460/#190/380     60/30/858/20     LINE OR INVERTER     CONT     F     1.15     40       FL PF     91.7     3/4 LD EFF     91.7     1/2 LD EFF     91.0     GTD EFF     ELECT. TYPE       FL PF     66.0     3/4 LD FF     82.0     1/2 LD FF     91.0     GTD EFF     ELECT. TYPE       FL. TORQUE     LR AMPS @ 460 V     LR. TORQUE     B.D. TORQUE     FL. RISE (* C)     50     50       SOUND PRESSURE @ 3     181     65.0     LB FT     176 %     94.0     LB FT     254 %     55     50       SOUND PRESSURE @ 3     SOUND POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTS/HOUR     APROX.       75     dBA     84 dBA     2.90     LB +T*     30     LB +T*     20     SC.     2     460     LB.       *** SUPPLEMENTAL INFORMATION       C-FACE     STANDARD     RIGID     HOUROTINT     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       C-FACE     STANDARD     RIGID															
FL. FF     917     34 LD EFF     917     1/2 LD EFF     910     GTD EFF     ELECT. TYPE       F.L. PF     86.0     3/4 LD PF     82.0     1/2 LD PF     73.5     91.0     SQ CAGE INV RATED       F.L. PF     86.0     3/4 LD PF     82.0     1/2 LD PF     73.5     91.0     SQ CAGE INV RATED       7.0     LB+T     181     65.0     LB+T     176%     94.0     LB+T     254%     55	ELEV.		-												
F.L. PF     86.0     3/4 LD PF     62.0     1/2 LD PF     73.5     91.0     SQ CAGE INV RATED       F.L. TORQUE     LR AMPS @ 460 V     LR TORQUE     B.D. TORQUE     F.L. RISE (° C)     SQ CAGE INV RATED       37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     254%     55     1       SOUND PRESSURE @ 3 FT.     SOUND POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSIHOUR     APROX.       75     dBA     84 dBA     2.90     LB-FT <sup>2</sup> 20     SEC.     2     460     LB.       *** SUPPLEMENTAL INFORMATION ***       MOUNT     MOUNT     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       C-FACE     STANDARD     RIGID     HORIZONTAL     PREMIUM SEVERE DUTY     NOOF CLIGR CSD CLIG     NO     NONE     BUE - RAL       BALL     ODE     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL DE     SHAFT     MATERIAL     FRAME I       BALL     BALL     BALL<	3300		40	1.15	F		CON	LINE OR INVERTER	L	0&58/29	60/3	30/460#190/380	230	60/50	3
F.L. PF     86.0     3/4 LD PF     62.0     1/2 LD PF     73.5     91.0     SQ CAGE INV RATED       F.L. TORQUE     LR AMPS @ 460 V     LR TORQUE     B.D. TORQUE     F.L. RISE (° C)     SQ CAGE INV RATED       37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     254%     55     1       SOUND PRESSURE @ 3 FT.     SOUND POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSIHOUR     APROX.       75     dBA     84 dBA     2.90     LB-FT <sup>2</sup> 20     SEC.     2     460     LB.       *** SUPPLEMENTAL INFORMATION ***       MOUNT     MOUNT     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       C-FACE     STANDARD     RIGID     HORIZONTAL     PREMIUM SEVERE DUTY     NOOF CLIGR CSD CLIG     NO     NONE     BUE - RAL       BALL     ODE     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL DE     SHAFT     MATERIAL     FRAME I       BALL     BALL     BALL<			7.05	_,			010	4010 555	1	017	-	a/41 =	017		
F.L. TORQUE     LR AMPS @ 460 V     L.R. TORQUE     B.D. TORQUE     F.L. RISE (° C)     SOUND       37.0     LB-FT     181     65.0     LB-FT     176%     94.0     LB-FT     254%     55         SOUND PRESSURE @ 3 FT.     SOUND POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTSHOUR     APROX.       75     dBA     84     dBA     2.90     LB-FT*     30     LB-FT*     20     SEC.     2     460     LB.       WOUNT TYPE     MOUNT     MOUNT TYPE     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       C-FACE     STANDARD     RIGID     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     NONE     BLUE - RAL       BEARINGS     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       BALL     BALL     BALL     BALL     BALL     POTECTORS     WD RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       TSTATS (NC) <td></td>															
37.0   LB+FT   181   65.0   LB+FT   176%   94.0   LB+FT   254%   55   Image: Constraint of the state of			IV NATED	SQ CAGE IN		91.0	13.5	1/2 LD FF		02.0	-	3/4 LD FI	00.0	F.L. FF	
37.0   LB-FT   181   65.0   LB-FT   176%   94.0   LB-FT   254%   55   Image: Constraint of the state of				EL RISE (° C)		TOROUE	BD	TOROUE	I R 1		460 V				FI
SOUND     POWER     ROTOR WK*     MAX. LOAD WK*     SAFE STALL TIME     STARTS/HOUR     APROX.       75     dBA     84     dBA     2.90     LB-FT*     30     LB-FT*     20     SEC.     2     460     LB.										65.0	400 v				
FT.     SOUND     POWER     ROTOR WK2     MAX. LOAD WK2     SAFE STAIL TIME     STARTS/HOUR     APROX.       75     dBA     84     dBA     2.90     LB-FT2     20     SEC.     2     460     LB.       VESUPPLEMENTAL INFORMATION ***       *** SUPPLEMENTAL INFORMATION ***       DE BRACKET TYPE     ODE BRACKET TYPE     MOUNT     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P/       C-FACE     STANDARD     RIGID     HORZONTAL     PREMIUM SEVERE DUTY     ROOF CLIGR CAD CLIII     NO     NONE     BLUE - RAL       BEARINGS     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       BALL     POLYREX EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       6311     6210     NOT     NONE     NONE     NONE     CONTROL     SPACE     I       THERMOSTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     FALSE     I     I <td></td> <td>-</td> <td></td>		-													
*** SUPPLEMENTAL INFORMATION ***     DE BRACKET TYPE   ODE BRACKET TYPE   MOUNT TYPE   MOTOR ORIENTATION   SEVERE DUTY   LOCATION   DRIP LOCATION   SCREENS   P/     C-FACE   STANDARD   RIGID   HORIZONTAL   PREMIUM SEVERE DUTY   NOOF CLIGR CAD CLII   NONE   BLUE - RAL     BEARINGS   GREASE   SHAFT TYPE   SPECIAL DE   SPECIAL ODE   SHAFT   MATERIAL   FRAME I     BALL   BALL   POLYREX EM   TS   NONE   NONE   1045 HOT ROLLED (C-204)   CAS     G311   6210   POLYREX EM   TS   NONE   NONE   NONE   SPACE     THERMOSTATS   PROTECTORS   WDG RTD'S   BRG RTD'S   THERMISTORS   CONTROL   SPACE     R1 (ohms/ph)   R2 (ohms/ph)   X1 (ohms/ph)   X2 (ohms/ph)   Xm (ohms/ph)   VIBRATION (in/sec)   FL     0.261   0.113   0.826   0.864   24.381   0.080   C     N   INVERTER TORQUE: CONSTANT 10:1//ARIABLE 10:1   INV. HP SPEED RANGE: NONE   NONE   NONE   NONE     N   INONE   NONE   NONE   NONE <td>MOTOR WGT</td> <td></td> <td>APROX.</td> <td>STARTS/HOUR</td> <td></td> <td>LTIME</td> <td>SAFE STAL</td> <td>MAX. LOAD WK<sup>2</sup></td> <td></td> <td>OR WK<sup>2</sup></td> <td>ROT</td> <td>D POWER</td> <td>SOUNE</td> <td></td> <td>SOUND</td>	MOTOR WGT		APROX.	STARTS/HOUR		LTIME	SAFE STAL	MAX. LOAD WK <sup>2</sup>		OR WK <sup>2</sup>	ROT	D POWER	SOUNE		SOUND
DE BRACKET TYPE     ODDE BRACKET TYPE     MOUNT TYPE     MOUNT OR ORIENTATION TYPE     SEVERE DUTY NOTO ORIENTATION     SEVERE DUTY SEVERE DUTY     LOCATION LOCATION     DRIP COVER     SCREENS     PP       C-FACE     STANDARD     RIGID     HORIZONTAL     PREMIUM SEVERE DUTY     ROOF CLIGR CAD CLII     NONE     NONE     BLUE - RAL       BEARINGS     GRASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       BEARINGS     GRASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       BALL     BALL     POLYREX EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       G311     6210     STATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       THERMOSTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       THERMOSTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph) </td <td></td> <td>LB.</td> <td>460</td> <td>2</td> <td></td> <td>SEC.</td> <td>20</td> <td>LB-FT<sup>2</sup></td> <td>30</td> <td>LB-FT<sup>2</sup></td> <td>2.90</td> <td>dBA</td> <td>84 di</td> <td>dBA</td> <td>75</td>		LB.	460	2		SEC.	20	LB-FT <sup>2</sup>	30	LB-FT <sup>2</sup>	2.90	dBA	84 di	dBA	75
DE BRACKET TYPE     ODE BRACKET TYPE     TYPE     MOTOR ORIENTATION     SEVERE DUTY     LOCATION     COVER     SCREENS     P.P.       C-FACE     STANDARD     RIGID     HORIZONTAL     PREMIUM SEVERE DUTY     ROOF CLIGR CAD CLII     NO NONE     BLUE - RU       BEARINGS     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       DE     DODE     BALL     BALL     POLYREX EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       6311     6210      PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       THERMOSTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       TSTATS (NC)     NOT     NONE     NONE     NONE     NONE     FALSE     I       0							TION ***	PPLEMENTAL INFORM	*** SU		•				
BEARINGS     GREASE     SHAFT TYPE     SPECIAL DE     SPECIAL ODE     SHAFT     MATERIAL     FRAME I       BALL     BALL     POLYREX.EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       6311     6210     POLYREX.EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       THERMOSTATS     PROTECTORS     WDG RTD's     BRG RTD's     THERMISTORS     CONTROL     SPACE       TSTATS (NC)     NOT     NONE     NONE     NONE     NONE     FALSE     I       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/sec)     FL       0     0.261     0.113     0.826     0.864     24.381     0.080     C       N     INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1     INV. IP SPEED RANGE: NONE     INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1       NONE     NONE     NONE     NONE     NONE     NONE	NT				COVER	NC	LOCAT				TYPE				
DE     ODE     GRAGE     STAT I TYPE     SPECIAL DE     SPECIAL DOE     SHAF I     MATERIAL     FRAME       BALL     BALL     POLYREX EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       G311     6210     FROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       THERMOSTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       TSTATS (NC)     NOT     NONE     NONE     NONE     FALSE     I       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/soc)     FL       0.261     0.113     0.826     0.864     24.381     0.080     C       N     INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1     INV. HP SPEED RANGE: NONE     INV. HP SPEED RANGE: NONE     NONE     NONE     NONE     NONE	J03 (EPOXY)	E - RAL	BLUE	NONE	NO	C&D CL II	ROOF CL I GR	PREMIUM SEVERE DUTY	NTAL	HORIZO	RIGID	STANDARD		C-FACE	
BALL     BALL     POLYREX EM     TS     NONE     NONE     1045 HOT ROLLED (C-204)     CAS       6311     6210	ATERIAL	RAME	FR	AFT MATERIAL	SHA	ODE	SPECIAL	SPECIAL DE		T TYPE	SHAI	GREASE			
6311     6210     POLYREXEM     Its     NONE     NONE     NONE     NONE     Outs Hold ROLLED (C-204)     Control     SPACE       THERMISTATS     PROTECTORS     WDG RTD'S     BRG RTD'S     THERMISTORS     CONTROL     SPACE       TSTATS (N/C)     NOT     NONE     NONE     NONE     NONE     FALSE     1       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/soc)     FL       0_261     0.113     0.826     0.864     24.381     0.000     CONTROL       No						+									
THERMOSTATS     PROTECTORS     WDG RTD's     BRG RTD's     THERMISTORS     CONTROL       TSTATS (N/C)     NOT     NONE     NONE     NONE     FALSE     1       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/sec)     FL       0.261     0.113     0.826     0.864     24.381     0.000 (in/sec)     FL       0	CAST IRON		1045 HOT ROLLED (C-204)			NON	NONE		TS		POLYREX EM	P			
THERMOSTATS     PROTECTORS     WDG RTD's     BRG RTD's     THERMISTORS     CONTROL       TSTATS (NIC)     NOT     NONE     NONE     NONE     FALSE     I       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/sec)     FL       0.261     0.113     0.826     0.864     24.381     0.000     C       *       0.864     24.381     0.000     C       *       0.864     24.381     0.000     C       *       0.864     24.381     0.00.000     C       *       0.864     24.381     0.00.000     C       *        0.864     24.381     0.00.000     C       *         NONE     CONSTANT 10:1/VARIABLE 10:1       *          NONE     NONE															
TSTATS (N/C)     NOT     NONE     NONE     NONE     NONE     FALSE       R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/sec)     FL       0.261     0.113     0.826     0.864     24.381     0.080     CC       N	HEATERS	ACE	SPA	CONTROL		OPS	THEDMIC	BPG PTD's			WD	POTECTOPS		PMOSTATS	тис
R1 (ohms/ph)     R2 (ohms/ph)     X1 (ohms/ph)     X2 (ohms/ph)     Xm (ohms/ph)     VIBRATION (in/sec)     FL       0.261     0.113     0.826     0.864     24.381     0.080     C       N	NA														
0.261     0.113     0.826     0.864     24.381     0.080     C       N														- \	
Image: Normal State	FLOAT										R2 (ohms/ph)				
Inverter torque:     CONSTANT 10:1/VARIABLE 10:1       0     INV. HP SPEED RANGE:     NONE       1     INV. HP SPEED RANGE:     NONE       2     ENCODER:     NONE       3     NONE     NONE       NONE     NONE     NONE	ODE			0.080				0.864		0.261 0.113 0.826					
Inverter torque:     CONSTANT 10:1/VARIABLE 10:1       0     INV. HP SPEED RANGE:     NONE       1     INV. HP SPEED RANGE:     NONE       2     ENCODER:     NONE       3     NONE     NONE       NONE     NONE     NONE															
O     INV. HP SPEED RANGE: NONE       T     Encoder: NONE       E     Encoder: NONE       S     NONE       '     NONE			E 10:1	CONSTANT 10:1/VARIABI F		/FRTEP 1	IN								-
F     ENCODER: NONE       S     NONE       NONE     NONE															
S NONE NONE NONE PPR															
NONE NONE PPR					NONE	CODER:	EN								Е
NONE NONE FR															
DRAKE, NONE		E PPF	NONE												*
		BRAKE: NONE													
PREPARED 8Y: NONE NONE	NONE NONE					PREPARED BY:									
DATE: 0001221 FILD: NA VOLTAGE: NONE	HZ:						vr							DATE:	
	UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS					FORM: 3531 REV 4 2/27/06									



Certificate Number Report Reference Issue Date	20220325- E12044 E12044-19991213 2022-MARCH-25
Issued to:	REGAL BELOIT AMERICA INC 1946 W COOK RD FORT WAYNE IN 46818 Tradename: Marathon
This certificate confirms that representative samples of	MOTORS FOR USE IN HAZARDOUS LOCATIONS Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 284TSTGCD6505 (may have prefix and/or suffix characters).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 674 - Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations, CSA C22.2 No. 145, Electric Motors and Generators for Use in Hazardous (Classified) Locations
Additional Information:	See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

**CERTIFICATE OF COMPLIANCE** 

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Barnelly

Bruce Mahrenholz, Director North American Certification Program

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