PRODUCT INFORMATION PACKET

Model No: TCA0372AP211GAA009 Catalog No: R449 Cast Iron Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 225S Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E







Product Information Packet: Model No: TCA0372AP211GAA009, Catalog No:R449 Cast Iron Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 225S Frame, TEFC

marathon®

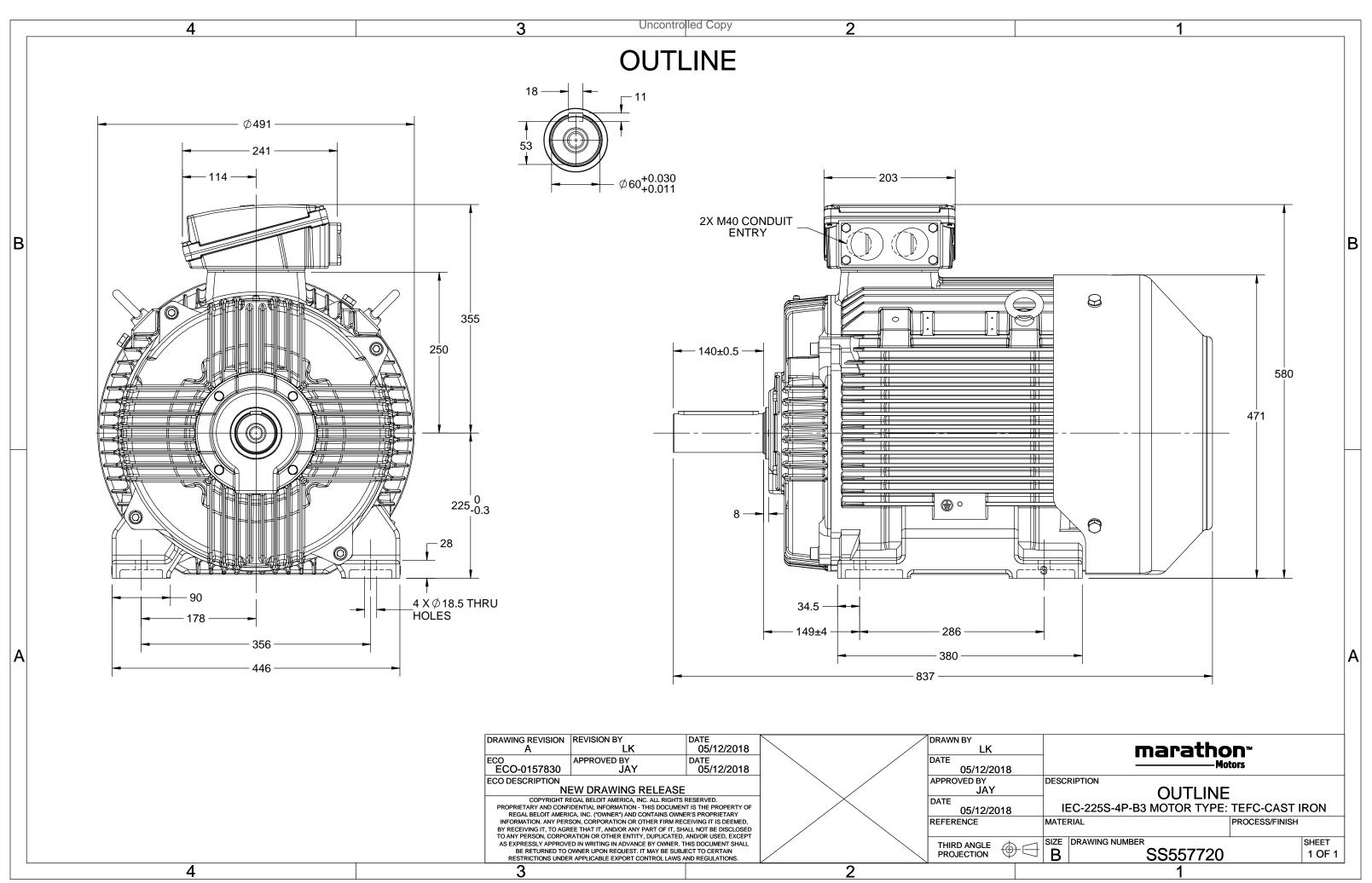
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	47.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	225\$	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213
UL	Recognized	CSA	N
CE	Y	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.13 Ohms	Mounting	ВЗ
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	32.95 in
Frame Length	15.75 in	Shaft Diameter	2.362 in
Shaft Extension	5.51 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS557720	Connection Drawing	8442000685

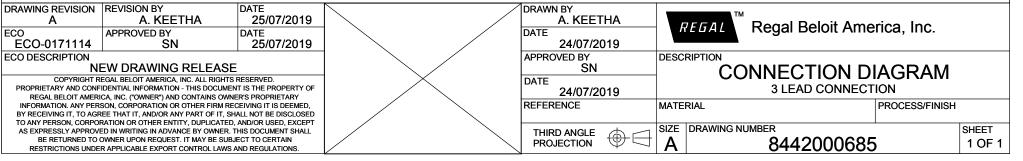
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 12/01/2022



4 of 8

	Uncontrolled copy	
GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE TOLERANCE WITHOUT	
THE TOI FRANCE BY THE T		

- THE TOLERANCE BY THE TABLE.
- 4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.



Uncontrolled Copy







									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
									PH. 715-675-331	1		
									DATA VOLTS:	575		
					CEI	RTIFICATION DATA SI	HEET					
CUSTOME							CUST	OMER P.O. #:				
ORDER #:									TCA0372AP211G	44009		-
CONN. DI		8442000685		_			CAT #:			R449		-
OUTLINE:		SS557720						MER PART #:		1445		
WINDING:		IE3L2254201	NONE	3			00310	MOUNTING:	E2			-
SPEED:		IE3L2234201	NONE					WOUNTING.	FJ			
SFEED.				-				T A				
					TPICAL	MOTOR PERFORMA			1			r
НР	ĸw	SYNC RPM		RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
							LITO	LOODINE		KVACODE		DEGIGIN
50	37	1800		1785		225S	Т	EFC	TCA 225SA04	J		N
												•
									-			
PH	HZ	VOLTS	4	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		47		LINE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	94.5		1/2 LD EFF	93.9	GTD EFF		ELECT. T	YPE	
	F.L. PF	84.0	3/4 LD PF	79.0		1/2 LD PF	69.0	93.7		SQ CAGE INV	/ RATED	
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TOR	QUE F.L. RIS		E (° C)	
147	LB-FT	363		346	LB-FT	235%	451	LB-FT	307%	80		
		•										
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
69	dBA	78 dBA	17.3	LB-FT ²	17.3	LB-FT ²	15	SEC.		2	415	KG.
			•									
					*** SU	PPLEMENTAL INFORMA						
			MOUNT			SEVERE DUTY	HAZARDOUS			SCREENS		
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE				CATION	DRIP COVER			INT
SI	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	ENAMEL)
									r		1	
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL
DE	ODE											
BALL	BALL	SG S5-V100	STAN	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6313	6213									. ,		
		1							1		1	
											SPACE	HEATERS
	THERMOSTATS PROTECTORS			WDG RTD's BRG RTD's			THERMISTORS		CONTROL			
	NONE	NOT	N	IONE		NONE	N	IONE	F.	ALSE	1	NA
R1	(ohms/ph)				X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.208	0.083	(0.803		1.136	2	6.994	0	.150	0	DE
*												
N						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
0						INV. HP SPEED RANGE: NONE						
т												
E								ENCODER:	NONE			
S								NONE				
*								NONE			NONE	PPR
								BRAKE:				
1	PREPARED BY:							1	NONE	NON	E	
1	DATE:	11/16/2020						FT-LB:		NA		
								VOLTAGE:		IONE		HZ:
FORM: 35	31 REV_4	2/27/06					UL:	V - LI,ME-INS,	CONST UL REC			

REGAL

marathon[®]

Uncontrolled CorrAX®

LEESON





www.regalbeloit.com

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 : TCA0372AP211GAA009

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

Catalog No : R449

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

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer