

## VII. Transportation and Storage

1. Strictly follow the instructions marked on packing boxes and avoid violent handling during transportation.
2. Store in a dry, clean and well-ventilated place, free from acids, alkali, chlorine or any corrosive gases. Avoid any contact with chemicals. Which may be harmful to the insulation materials of the motor.
3. Protect the motor against moisture and freezing in order to avoid insulation material defects.

## VIII. Specifications

Item	Power	Voltage	Current	Frequency	Speed	Class of insulation
Unit	HP	V	A	Hz	rpm	
Parameter	½ (300 watt)	110	3	60	3600	E
		230	1,48	50	3000	

Item	Class of case	Vibration	Noise	Diameter of bit	Diameter of buff	Weight
Unit		M/sec <sup>2</sup>	dB(A)	Mm	mm	Lb
Parameter	IP55	≤ 2,5	≤ 78	∅ 1-10	≤ ∅ 125	9.5

## VIV. Accessories

NO.	Title	Quantity
11300-1	Key Instruction Manual	1
11300-2		1



## GUINEVERE® SANDING AND POLISHING MOTOR

### Operation & Maintenance Instructions for GUINEVERE® Sanding and Polishing Motor

King Arthur's Tools is proud to announce their recent strategic alliance with Kirjes® from Sweden. This partnership introduces their latest product, marketed by King Arthur's Tools as Guinevere® - "The World's Smallest Sanding and Polishing System." The Guinevere® Total Sanding System takes traditional sanding to another incredible level. Guinevere® will be exclusively distributed by King Arthur's Tools and is the perfect addition to our range of carving blades, carbide shaping discs, flap disc sanders and miniature carving sets.

**Prior to operation, please read these instructions carefully for safe, efficient and optimum performance.**

## I. Standards

Thank you for buying the Guinevere® Sanding and Polishing Motor, part of the Guinevere® Total Sanding System. This motor conforms to the 89/392 EEC and 91/368 EEC machine directives and also conforms to EN 61029-1 and IEC 1029-1 "Safety of Transportable Motor Operational Electrical Tools, Part 1. General Requirements", and UL 987, "Stationary and Fixed Electrical Tools" and standards according to ANSI/UL745-1, ANSI/UL 745-2-3, CAN/CSA C22.2 No. 745-1 and CAN/CSA C22.2 No. 745-2-3 The motor also complies with requirements according to the following standards concerning electromagnetic compatibility: EN 55014-1 (2000), Amendment A1 (2001) and Amendment A2 (2002). EN 61000-3-2 (2000), EN 61000-3-3 (1995) and Amendment A1 (2001) and EN 55014-2 (1997) and Amendment A1 (2001) according to EMC Verification No. 413043V (Intertek ETL Semko Sweden). The above standards harmonise with the EMC Directive 89/336/EEC. Further cord sets, power supply cords and plugs conform to following standards and Follow-Up Service Procedure (Type R, File E199813SP UL Inc.): UL 62, Canadian Standard C22.22, No 49, DIN VDE 0620:1992-05, DIN VDE 0281-5:1995-07, HD 21.5 S3:1994, EC Low-voltage Directive 73/23/EEC. The CE and UL mark on the motor guarantees this conformity.

## II. Operation

1. Check all parts carefully before operation in case of any possible damage or defects during transportation.
2. Always use safety glasses and/or a full face visor during operation.
3. It is highly recommended not to wear loose clothing or untethered long hair during operation.
4. Let the sanding sleeves do the work. They are fully capable.
5. Do not force sanders into the work or apply excessive pressure.
6. Keep sanding sleeves clean with the abrasive cleaning stick.
7. The motor usually has a dull, subdued humming sound while running. If any sharp, squeaky or abnormal noise or violent vibration is produced, stop the motor immediately. Do not resume operation unless the problem is found and resolved.
8. The chuck on the left-hand turning side is not suitable for clamping drilling tools nor must the flexible shaft be mounted in the left chuck.
9. The motor is fitted with an automatic over-heating switch. If the motor for any reason over-heats and stops, turn the switch off and let the motor cool down before switching it on again.
10. Cut off the power supply after use.

## III. Application

1. The motor is designed for sanding and polishing in conjunction with the Guinevere® flexible shaft and inflatable sanders.
2. The motor is also designed for operation in normal dry working conditions, but not in wet, excessive heat, rain and snow environments. Keep the motor away from chemical corrosion and explosive elements.
3. The motor is not suitable for continuous operation in a production line process.
4. **Rated operating time is 15 minutes, followed by 15 minutes resting time. Do not overwork the motor.**

## IV. Motor and Flexible Shaft

The Guinevere® small and portable, extremely quiet but powerful sanding and polishing motor is optimized for use with our flexible shaft and inflatable sanders. The 1/2hp (300 watt) motor is fitted with two chucks that open from 1/16" - 3/8" (1.5mm - 10 mm). This means that you can quickly change between different combinations of sanders and grits. **It is very important to note that you can ONLY MOUNT THE FLEX SHAFT WITH ONE SANDER TO THE RIGHT HAND CHUCK end of the motor** with the other sander fitted to the left hand chuck. There is a high potential for damage to the internal cable of the flex shaft **when the flex shaft is driven with a left-hand turning movement.**

**In this circumstance the flex shaft is not covered under warranty.**

Small silver labels on the right hand side of the motor at the chuck end show on which side the flexible shaft must be connected. For safety and to prevent burn out, the motor is fitted with an automatic over-heating switch. If the motor over-heats and stops, turn the switch off and let the motor cool down before switching it on again.

## V. Chucks

The outer casings of the chucks on the motor are mounted slightly loose. Visually in some positions, it may appear as if the chucks are not completely centered, however, this is an integral part of the design of the motor. Both chucks are mounted to the motor's drive shaft on a tapered cone, guaranteeing smooth, vibration-free running. For maximum precision please clean the inside of the chuck with grease or oil solvent and lubricate regularly, preferably with sprayable oil.

With safety being our top priority we also engineered precautions to ensure that the motor stops if the motor overheats or a sander gets stuck for some unexpected reason.

## VI. Flexible Shaft

**We strongly recommend sanding with our flexible shaft since you can clearly see your progress whilst the sander smoothly follows the contours of your work piece.** The flex shaft's high quality, vibration free design is optimally matched to the mandrels on each inflatable sander which makes them the ideal combination. With a maximum reach of 51" (1300mm) the flexible shaft, connected to the easily movable Sanding and Polishing Motor will allow you tremendous flexibility and maneuverability in most work positions. The shaft is intended for low-speed use, around 3,000-3,600 rpm, mainly for sanding and polishing. This quality Swedish made flex shaft has two encapsulated ball bearings in the hand piece and one in the drive end for continuous work and is extremely flexible due greatly to the double spiral steel cord in the protective tube. The shaft is rated between 3,000 - 10,000 rpm with a key chuck from 1/16" - 3/8" (1.5mm - 10 mm).

### Points to know about flexible shafts

A. Flexible shafts should always be handled with care, especially handling both the motor insertion and the chuck end. Take care not to overbend the shaft during storage or operation.

B. There are two situations that can instantly damage a flex shaft. 1) When the protective tube is so sharply bent or dented that it doesn't recover its straight form i.e. a dent is left on the protective inner tube. 2) When the shaft is driven with a left-hand turning movement. For this reason, **only attach the flex shaft to the right hand chuck, indicated by the silver motor label.**

## GUINEVERE® LIMITED WARRANTY

Guinevere® is under warranty against defective material or workmanship for a period of six months from the date of purchase. In the event of a failure of a product to conform to this written warranty, please take the following action.

1. DO NOT return your product to the place of purchase.
2. Securely package the product by itself and return the product only, freight prepaid, along with:
3. A copy of your dated proof of purchase (please keep a copy for yourself).
4. A written statement about the nature of the problem.
5. Your name, address and phone number to: King Arthur's Tools, 3645 Hartsfield Road, Tallahassee, Florida 32303
6. We recommend that the package be insured against loss or in transit damage for which we cannot be responsible.

This warranty applies only to the original registered purchaser. DAMAGE TO THE PRODUCT RESULTING FROM TAMPERING, ACCIDENT, ABUSE, NEGLIGENCE, UNAUTHORIZED REPAIRS OR ALTERATIONS, UNAPPROVED ATTACHMENTS, NORMAL WEAR AND TEAR, OR OTHER CAUSES UNRELATED TO PROBLEMS WITH MATERIAL OR WORKMANSHIP ARE NOT COVERED BY THIS WARRANTY.

No employee, agent, dealer or other person is authorized to give any warranties on behalf of Guinevere® or King Arthur's Tools. If product inspection shows that the problem was caused by problems with material or workmanship within the limitations of the warranty, King Arthur's Tools will repair or replace the product free of charge and return product prepaid. Repairs may be necessary by normal wear or abuse, or repair for product outside the warranty period, if they can be made, will be charged at regular service prices.

King Arthur's Tools makes no other warranty of any kind whatever, express or implied, and all implied warranties of merchantability and fitness for a particular purpose which exceed the above mentioned obligation are hereby disclaimed by King Arthur's Tools and excluded from this limited warranty.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. The obligation of the warrantor is not liable for any incidental or consequential damages due to any such alleged defect. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

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*Made in Sweden. Foreign patents awarded.*