KOBE INDUSTRIAL POWER TOOLS

THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

DECLARATION OF CONFORMITY

We hereby certify that KOBE 1/2" STUBBY IMPACT WRENCH-TWIN HAMMER

(ORDER CODE: KBE-270-2310K)

complies with all the relevant provisions of the

EC Machinery Directive 2006/42/EC

Standards Applied:

EN ISO 12100:2010, EN ISO 11148-6:2012
EN ISO 28927-2:2009, EN ISO 15744:2008

Signed:

Date: 01st February 2022

Name: Toni Johonson

Position: Compliance Director

KOBE TOOLS
Cromwell Group (Holdings) Limited.
65 Chartwell Drive, Wigston, Leicestershire,
England, LE18 2FS
Contact Us: contactus@cromwell.co.uk
Country of Origin :Taiwan

CE UKCA

QUALITY GUARANTEE & WARRANTY

KOBE INDUSTRIAL POWER TOOLS carry a one year manufacturer's warranty.
KOBE INDUSTRIAL POWER TOOLS are designed & manufactured to the highest standards & specifications
Assuring the quality and performance required by all sectors of industry.
KOBE INDUSTRIAL POWER TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).
Please retain supplier invoice as proof of purchase.

Cromwell Group (Holdings) Limited.
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KOBE™

PROFESSIONAL AIR TOOLS

1/2" STUBBY IMPACT WRENCH-TWIN HAMMER

MODEL:
KSW120

ORDER CODE:
KBE-270-2310K



- 10,000 RPM free speed
- Suitable for light workshop and garage use
- Stubby design allows access to hard to reach work spaces
- One handed operation allows easy control of the forward/reverse speed selector switch
- Twin hammer mechanism
- 1/2" square drive
- Forward/Reverse speed regulator
- Ergonomic and comfortable soft grip handle to help reduce vibration
- Fixed inlet and downward facing exhaust in handle which lowers noise level

CE UKCA

WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THESE PRODUCTS.

OPERATOR'S MANUAL

Please retain this information for future reference.

KOBE INDUSTRIAL AIR TOOLS

PARTS BREAKDOWN

Index No.	Order Code KBE-298	Description	Qty
1	2001A	MOTOR HOUSING	1
2	2001B	SET SCREW (M8x8L)	1
3	2001D	AIR INLET	1
4	2001E	TRIGGER	1
7	2001F	EXHAUST DIFFUSER	1
10	2001G	E-RING (ETW-8)	1
11	2001H	GASKET	1
12	2001J	REAR COVER	1
13	2001K	BALL BEARING (6900zz)	1
14	2001L	REAR END PLATE	1
15	2001M	ROTOR	1
15	2001N	ROTOR BLADE (6)	6
17	2001P	PIN (3x40)	1
18	2001R	CYLINDER	1
19	2001S	FRONT END PLATE	1
20	2001T	BALL BEARING (6001zz)	1
21	2001V	REVERSE LEVER (9.25x1.78)	1
22	2001W	O-RING (9.25x1.78)	1

Index No.	Order Code KBE-298	Description	Qty
23	2001X	SPRING	1
24	2002A	STEEL BALL (1/8")	1
25	2002B	ANVIL BRUSHING	1
28	2002D	HAMMER CASE	1
29	2002E	O-RING (50x1.5)	1
30	2002F	SCREW (8) (M5x16L)	8
33	2002G	HAMMER CAGE	1
34	2002H	HAMMER (2)	2
35	2002J	HAMMER PIN (2) (5.1x42.2)	2
36	2002K	ANVIL (R-TYPE 1/2")	1
37	2002L	O-RING (6.5x2)	1
38	2002M	RETAINING RING	1
42	2002N	VALVE SPRING	1
43	2002P	VALVE STEM	1
44	2002R	RUBBER SPACER	1
47	2002S	DAMPING DIFFUSER	1
35	2002T	RUBBER GRIP	1

Index No.	Order Code KBE-298	Description	Qty
36	2002V	SERVICE REPAIR KIT	1
37	2002W	IMPACT REPAIR KIT	1

KOBE INDUSTRIAL AIR TOOLS

SAFETY INSTRUCTIONS

You have purchased a quality product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

KOBE INDUSTRIAL AIR TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

- Always adhere to the processes and safety warnings, which are stated in the instruction manual.

GENERAL OPERATING HAZARDS

- Never allow routine to lead to mistakes.
- Never operate if any parts are missing or damaged.
- Never allow untrained persons to operate the tool.

WORKPLACE HAZARDS

- Always ensure your working area is clean and well lit.
- When working at height make sure that the tool is safely secured and be aware of objects falling below. Make sure that no persons are working directly below the working area.
- Do not operate in explosive atmosphere, for instance extreme dust, gases and liquids.
- Keep children and bystanders away while operating the tool. Distractions can cause you to lose control.
- Never run the tool in areas exposed to water or in damp conditions.

PERSONAL PROTECTION

- Always wear approved eye protection during operation. Use safety glasses or goggles which conform to BSEN136 or CE equivalent that provide protection from the front and side. The operator of the power tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.
- Always consult a doctor if numbness, tingling, pain or whitening of the skin occurs. Repetitive work motions, awkward positions and exposure to vibration can cause “Repetitive Strain Injuries”.
- When operating the tool stay alert and use common sense, especially when it comes to working at height. Be aware of what’s below you.
- Do not overreach. Keep a proper balance and footing at all times.
- Do not use the tool if under the influence of alcohol, drugs or medication.

SPECIFIC SAFETY INSTRUCTIONS

- Ensure tool is disconnected when not in use or performing service.
- During operation of this tool keep a secure footing and maintain a balanced body position.
- Be aware of the hazard of tripping or falling over any excess hose left on the floor of the working area. Trips and falls are a major cause of serious injury or death.

KOBE INDUSTRIAL AIR TOOLS

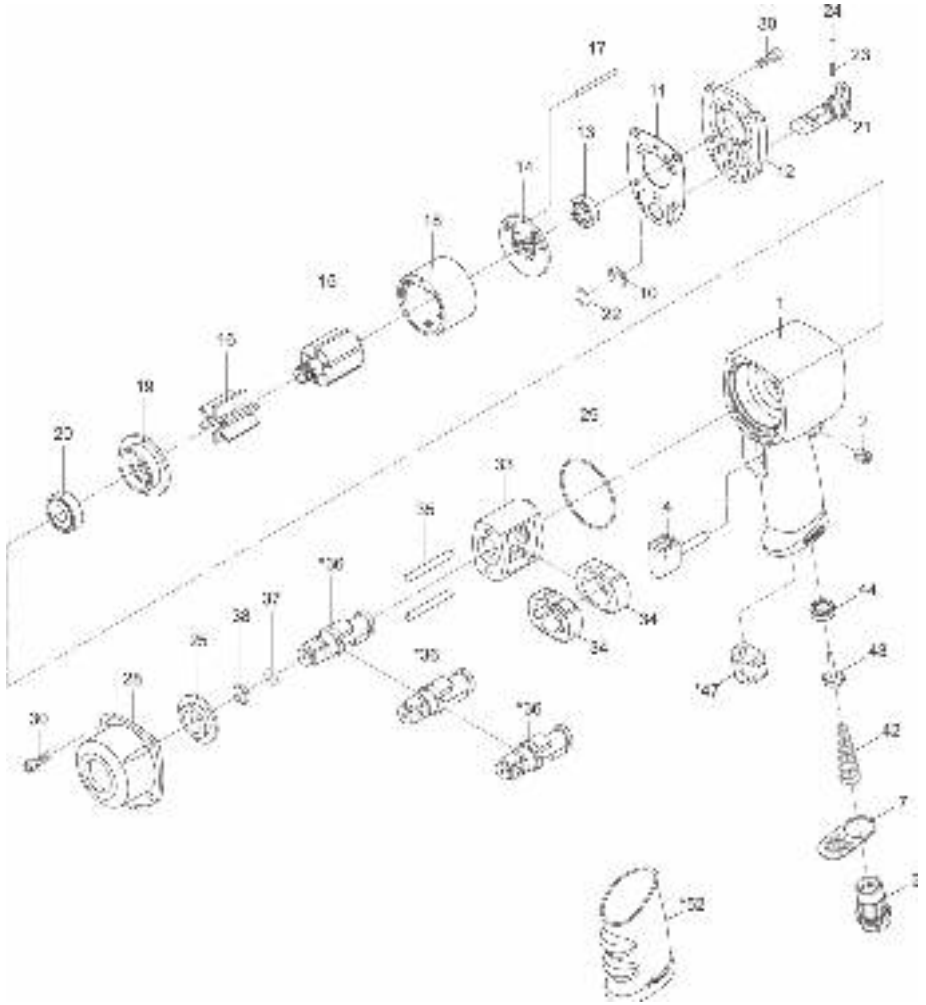
SPECIFICATIONS

ORDER CODE:	**KBE-270-2310K**
MODEL NUMBER:	**KSW120**
SQUARE DRIVE SIZE:	**1/2" (13mm)**
FREE SPEED:	**10,000 RPM**
MAXIMUM TORQUE:	**678 Nm (500 ft-lbs)**
LOOSENING TORQUE MAX.:	**1302 Nm (960ft-lbs)**
WORKING TORQUE RANGE:	**34-407 Nm (25-300 ft-lbs)**
RECOMMENDED AIR PRESSURE:	**6.2bar (90psi)**
AIR CONSUMPTION:	**4 cfm (based on 10sec/min cycle)**
AIR INLET THREAD:	**1/4" NPT**
HOSE SIZE (ID):	**10mm (3/8")**
NOISE LEVEL / SOUND PRESSURE †:	**87dBA**
SOUND POWER LEVEL †:	**98dBA**
VIBRATION LEVEL #:	**4.9m/s²**
OVERALL LENGTH:	**120mm**
NET WEIGHT:	**1.54kg**

† Per EN ISO15744:2008. # Per EN 28927-2.

KOBE INDUSTRIAL AIR TOOLS

PARTS BREAKDOWN



MAINTENANCE

- If no automatic lubricating system is used, ensure you lubricate the tool daily with high grade air tool oil. Prior to operating the tool a teaspoon of oil should be run through the tool. The oil can be squirted into the air inlet at the base of the tool **(Fig. G)**, or alternatively into the hose nearest the air supply connection. It is acceptable to use a rust inhibitive oil for air tools.

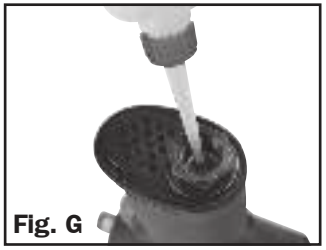


Fig. G

BOX CONTENTS

Before disposing of the packaging or attempting to assemble this product please check that all of the below components are present and are not damaged.

1/2" Stubby Impact Wrench - Twin Hammer

IDENTIFICATION

1. Anvil
2. Motor Housing
3. Trigger
4. Handle
5. Forward/Reverse Lever
6. Exhaust Diffuser
7. Air Inlet
8. Dust Cap



ASSEMBLEY

WARNING! BEFORE ATTEMPTING TO ASSEMBLE THIS PRODUCT, MAKE SURE YOU ARE FAMILIAR WITH ALL SAFETY INSTRUCTIONS.

AIR SUPPLY SETUP AND CONNECTION:

Recommended Air Line components

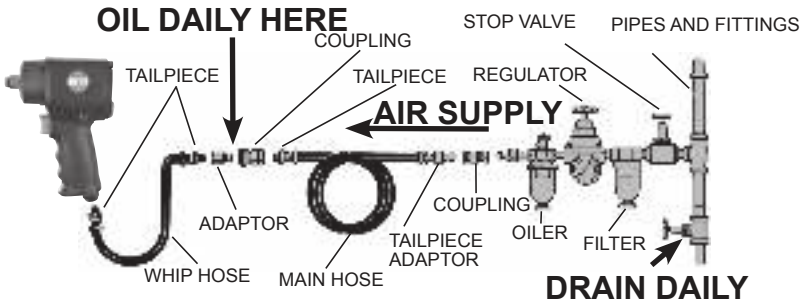


Fig. A

1. For best results incorporate a regulator, oiler and an in-line filter.
2. A few drops of Pneumatic Tool Oil should be added to the air line connection before operating the tool if you are not using an automatic lubricating system. More should be added after each hour of constant use **(see Fig. A)**.
3. The maximum air pressure (6.2bar) 90psi or as stated on the tool nameplate should not be exceeded.

HOW TO ASSEMBLE:

1. Before connecting, ensure the dust cap is removed **(Fig. B)**.
2. Connect tool to the air line using pipe, hose and fitting sizes listed in the specifications.
3. Supply tools with (6.2bar) 90psi of clean, dry air. A higher pressure and unclean air will shorten the tool life because of faster wear and may create a hazardous condition.

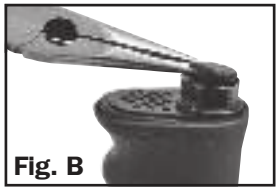


Fig. B

REQUIREMENTS FOR QUICK ACTING COUPLINGS CONNECTED TO AIR TOOLS:

A whip hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HS(G) 39, BS4575:2, ISO 4414 and ISO 6150.** This will also reduce the strain applied by the weight of the air hose on the end of the air tool **(Fig. C)**.

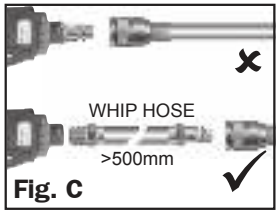


Fig. C

TOOL USE AND CARE:

1. Support the work piece securely to a stable platform.
2. Ensure the tool is suitable for your application, it is specifically designed for a selected job and incorrect application may force the tool. Correct use of the tool will provide better performance and make the job easier.
3. Always disconnect the air supply when changing accessories, making adjustments, carrying out maintenance or storing the tool.

4. Only use impact sockets and accessories for your model which have been recommended by the manufacturer. Do not use hand sockets or accessories.
5. If using a tool that is designed to have a guard, ensure the guard is in place to provide protection from flying debris, sparks or residue.
6. If the tool is left unattended do not leave it connected to the air supply.
7. Use compressed air only with this tool.

OPERATION

CAUTION!

- **ALWAYS USE THE RIGHT TOOL FOR THE JOB - DO NOT IMPROVISE BY USING ACCESSORIES NOT DESIGNED FOR THE TOOL OR JOB.**
- **ALWAYS INSPECT THE AIR TOOL FOR CRACKS OR EXCESSIVE WEAR BEFORE CONNECTING AND DURING USE.**
- **BE CAREFUL NOT TO OVER TIGHTEN FASTENERS.**

ATTACHING OR REMOVING ACCESSORIES:



Fig. D

1. Align the attachment with the air tool **(Fig. D)** and push firmly into place.
2. Ensure the socket retainer on the drive end of the tool functions correctly and the drive ends of the sockets are not worn. If excessively worn this may result in the socket slipping off or becoming detached when rotating.
3. To remove, simply pull the impact socket off.

USING THE AIR TOOL:

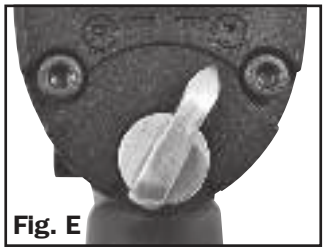


Fig. E

1. Carry out daily inspection and lubrication of the tool.
2. Remove the plastic dust cap using a pair of pliers **(Fig. B)**.
3. Connect the air tool to the air supply using a whip hose.
4. Check the position of the 'Forward/Reverse' switch and select the appropriate setting before operating the tool **(Fig. E)**.
5. Hold the air tool firmly with both hands before starting.
6. Locate the wrench and socket fully over the nut/bolt and squeeze the trigger to start the tool **(Fig. F)**.
7. If connections require a specific torque these must be checked with a torque meter after fitting with the impact wrench.



Fig. F

PLEASE NOTE: Do not allow the air tool to free run for an extended period.