KOBE INDUSTRIAL AIR TOOLS

# THE ENVIRONMENT

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

In observance of European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

This product does not contain any restricted substances in concentrations and applications which are banned by the European RoHS2 Directive.

## DECLARATION OF CONFORMITY

**We hereby certify that KOBE RAPID CUTTING AIR METAL SHEAR**

**(ORDER CODE: KBE-270-3900K)**

**complies with all the relevant provisions of the**

**EC Directives Machinery Directive: 2006/42/EC**

**Standards Applied:**

EN ISO 12100:2010, EN ISO 11148-11:2011, EN ISO 28927-7:2009, EN ISO 15744:2008

**RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU**

**Standards Applied:**

EN 50581-1:2012

**Signed:**

**Date:** 1st December 2011

**Name:** Keith Read

**Position:** HSQE Manager.

**KOBE TOOLS**

THE KENNEDY GROUP LTD, WIGSTON, ENGLAND, LE18 2FS.

CE

## QUALITY GUARANTEE & WARRANTY

**KOBE INDUSTRIAL AIR TOOLS carry a one year manufacturer's warranty.**

**KOBE INDUSTRIAL AIR TOOLS are designed & manufactured to the highest standards & specifications**

Assuring the quality and performance required by all sectors of industry.

**KOBE INDUSTRIAL AIR 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.**

**KOBE TOOLS OFFICIAL AGENT: THE KENNEDY GROUP, WIGSTON. LEICESTER, ENGLAND. LE18 2FS**

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# KOBE™

## INDUSTRIAL AIR TOOLS

# RAPID CUTTING AIR METAL SHEAR

**MODEL:**
**SH-120**

**ORDER CODE:**
**KBE-270-3900K**




- For sheet metal & automotive industries
- Accurate & easy to use
- Rear exhaust
- Lightweight & well balanced

**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

# 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

- Always ensure the mains power supply corresponds to the power rating on the specification label on the machine.
- Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms. If numbness, tingling, pain or whitening of the skin occurs, stop using the tool and consult a physician.
- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose left on the walking or work ground.
- 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.
- Disconnect tool before performing service or when not in use.
- 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.
- Maintain a balanced body position and secure footing.
- If devices are provided for the collection of dust, ensure these are connected and properly used.
- Do not use the tool if under the influence of alcohol, drugs or medication.

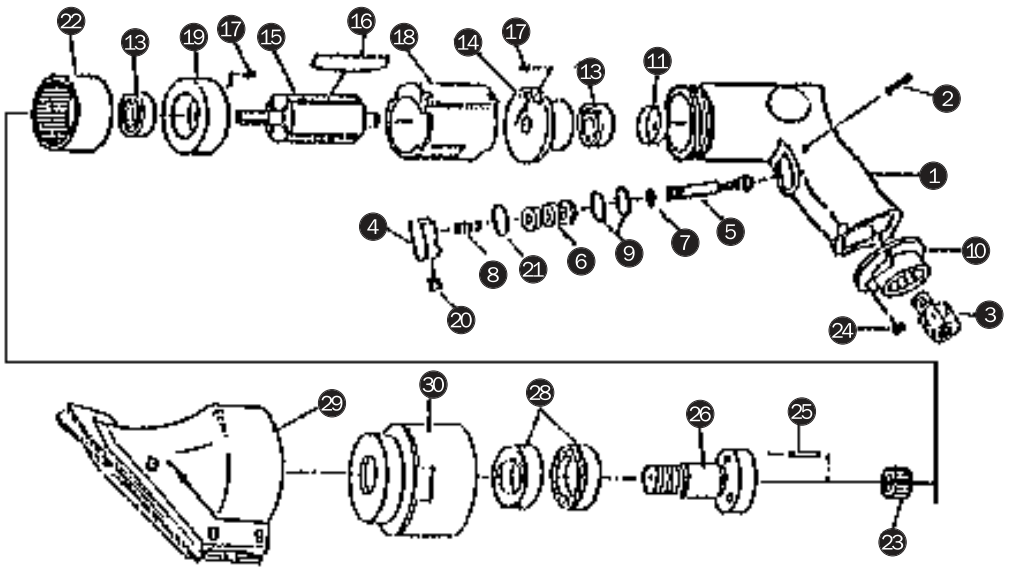
## SPECIFIC SAFETY INSTRUCTIONS

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or binding of moving parts,breakage of parts and any other condition that may affect the power tools operation. If damaged,have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.



# NOTES

# SPARE PARTS BREAKDOWN




## OIL DAILY

| No. | Order Code | Description | Qty | No. | Order Code | Description | Qty |
|---|---|---|---|---|---|---|---|
| 1 | KBE-298-0338S | Motor Housing | 1 | 16 | KBE-298-0377S | Rotor Blades | 4 |
| 2 | KBE-298-1919S | Pin | 1 | 17 | KBE-298-1955S | Pin | 2 |
| 3 | KBE-298-1922S | Air Inlet | 1 | 18 | KBE-298-1958S | Cylinder | 1 |
| 4 | KBE-298-1925S | Trigger | 1 | 19 | KBE-298-0386S | Front End Plate | 1 |
| 5 | KBE-298-1928S | Valve Stem | 1 | 20 | KBE-298-1964S | Screw | 1 |
| 6 | KBE-298-1931S | Valve Bushing | 1 | 21 | KBE-298-1967S | O-Ring | 1 |
| 7 | KBE-298-1934S | O-Ring | 1 | 22 | KBE-298-0395S | Internal Gear | 1 |
| 8 | KBE-298-1937S | Spring | 1 | 23 | KBE-298-0398S | Planet Gears | 3 |
| 9 | KBE-298-1940S | O-Ring | 2 | 24 | KBE-298-0401S | Screw | 2 |
| 10 | KBE-298-1943S | Muffler | 1 | 25 | KBE-298-0404S | Planet Pin | 3 |
| 11 | KBE-298-0368S | Bearing Cap | 1 | 26 | KBE-298-0407S | Planet Cage | 1 |
| 13 | CES-298-0627B | Bearing | 2 | 28 | CES-298-6203D | Bearing | 2 |
| 14 | KBE-298-0371S | Rear Plate | 1 | 29 | KBE-280-0022A | Shear Head | 1 |
| 15 | KBE-298-0374S | Rotor | 1 | 30 | KBE-298-0410S | Front Housing | 1 |



# ELECTRICAL INFORMATION

In the United Kingdom, the **ELECTRICITY AT WORK ACT 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year. The **HEALTH & SAFETY AT WORK ACT 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of its operator. If in any doubt about electrical safety, contact a qualified electrician.

## ELECTRICAL SAFETY

- An RCCB (Residual Current Circuit Breaker) should be fitted in the mains electricity distribution board. If the power supply is not protected by an RCCB, it is highly recommended that an RCD (Residual Current Device) is used with all portable electrical products.
- Do not use any adaptor plugs.
- Do not carry or yank the tool by the cord/hose.
- Never expose power tools to rain or wet conditions as this will increase the risk of electric shock.
- Use an outdoor extension cord when operating a power tool outside.

## EXTENSION REELS

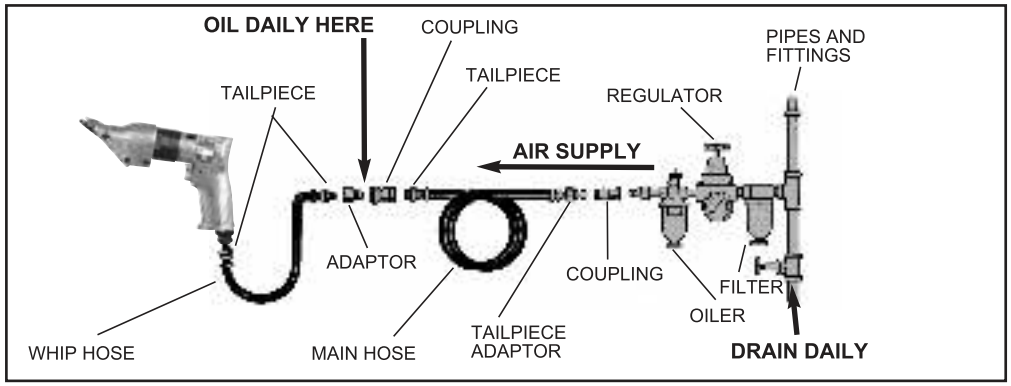
When a cable extension reel is used it should be fully unwound before being connected. Use at least 1.5mm$^2$ section cable or to be absolutely sure use 2.5mm$^2$ section cable.

# SPECIFICATIONS

| | |
|---|---|
| **ORDER CODE:** | **KBE-270-3900K** |
| **MODEL:** | **SH120** |
| **NET WEIGHT:** | **1.4KG** |
| **DIMENSIONS:** | **170(W) x 245(H) x 45(D)mm** |
| **CUTTING CAPACITY:** | **Steel - 1.2mm** |
| | **Aluminium - 1.6mm** |
| **STROKES PER MINUTE:** | **2,800** |
| **AIR INLET THREAD:** | **1/4NPT** |
| **AIR HOSE SIZE (ID):** | **10mm** |
| **AIR PRESSURE:** | **90PSI** |
| **AIR CONSUMPTION:** | **4CFM*** |
| **OVERALL LENGTH:** | **230mm** |

*Based on 15 second cycle per minute average use.

# AIR SUPPLY SETUP AND CONNECTING HAZARD




Recommended Air Line Components

- For best service you should incorporate an Regulator, oiler and an inline filter.
- If you are not using an automatic lubricating system, before operating the tool, add a few drops of Pneumatic Tool Oil to the airline connection. Add more after each hour of constant using.
- Do not exceed maximum air pressure of 90 PSI/ 6.2 bar or as stated on tool nameplate.



# OPERATION

Use accessories recommended by KOBE. Check the position of the reversing mechanism before operating the tool so as to be aware of the direction of rotation when operating.

# MAINTENANCE

Lubricate the tool daily with a good grade of air tool oil. If no air line oiler is used, run a teaspoon of oil through the tool. The oil can be squirted into the tool air inlet, or into the hose a the nearest connection to the air supply, then run the tool.
A rust inhibitive oil is acceptable for air tools.

# SERVICE & REPAIRS

A comprehensive repair and service facility is available through your local Kobe agent.



