

WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardized test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the operator from the effects of vibration such as maintain the tool and the accessories keep the hands warm, organisation of work patterns.

Original instruction

GENERAL SAFETY INSTRUCTIONS

WARNING: Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated power tool.

SAVE THESE INSTRUCTIONS.

1) WORK AREA
a) **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

a) **Power tool plugs must match the outlet. Never modify the plugs in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) PERSONAL SAFETY

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, no-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.**
d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.

4) POWER TOOL USE AND CARE

a) **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.
b) **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.
c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
d) **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.
e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
h) **Save all warnings and instructions for future reference.**
i) **Recommendation:** The tool always be supplied via residual current device with a rated residual current of 30 mA or less.

5) Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

IMPORTANT: Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Wear a dust mask. Use of the dust collection system when working.

Dear Customer,
Thank you for buying a KEN power tool. Should you have any questions, vagueness or second thoughts about our products, we recommend you to contact our experts in Sales and Service Departments, who will advise you and help you find the right answers to the set questions. Please contact our local distributors or dealers directly.

No.	Code	Name	Remark	No.	Code	Name	Remark
47	151003	Spring		71	221019	Screw	ST4-60
48	337001	Oil seal		72	441003A	Stator	
49	144016	Bearing		73	313004A	Motor housing	
50	122017	Shaft		74	310006A	Cover sheet	
51	144004	Bearing		76	315002A	Back cap	
52	122014	Shaft		78	338002	Rubber sleeve	
53	132008	Wheel		79	434001	Brush shaft	
54	314004A	Left handle		80	431011A	Carbon brush	
55	213005	Oil bearing		81	233007	Screw	M5×8
56	337002	Oil seal		82	113015	Steel table	
57	114004	Retainer		83	232125	Screw	M4×20
58	132006	Trigger		84	139016	Clamp sheet	
59	222002	Screw	ST4×16	85	166006A	Alu table	
60	221015	Screw	ST4×35	86	443007	capacitor	
61	235003	Screw	M6×8	87	337005	Dustproof circle	
62	230012	Screw	M6×8	88	613005	Saw blade	
63	132007	Clamp pin		89	613006	Saw blade	
64	144015	Pin	6×30	90	622003	Spanner	S3
65	255003	Retainer	5	91	622004	Spanner	S5
66	271002	Steel ball	φ4	92	241001	Washer	4
67	151004	Spring		94	251002	Retainer	16
68	310003A	Adjusting pin		95	319019	Retainer	
69	310004	Flat sheet		96	712015	handle asm	
70	321006	Retainer					

SAFETY

Read these instructions before operating this power tool. They contain information which will enable you to use the tool safely and help protect those around you. A copy of this instruction leaflet should be kept with the tool so that you can refer to it quickly when undertaking work. Another copy should be made and safety away.
- Please be sure that the switch is "OFF" and the current source is not connected before operation.
- Please confirm that the jig saw blade hasn't any touch with the processing object in its working procedure before the switch closes.
- Put the power line behind the tool. Do confirm the tool is off and then insert the plug into the socket.
- Start the tool first and then put it on the surface of the material to process.

We declare under our sole responsibility that the product described under "Technical Data" fulfills all the relevant provisions of the directives 2006/42/EC and the following harmonized standards documents have been used: EN 60745-1; EN 60745-2-11.

Winnenden, 2012-06-06

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SYMBOL

V :Volts
Hz :Hertz
W :Watts
▲ :Safety alert
~ :~Alternating Current
min~:Revolutions or reciprocations per minute
□ :Double insulation
⊕ :Wear eye protection
⊙ :Wear a dust mask
CE :CE conformity.
⊖ :No load Speed

Please read the instructions carefully before starting the machine.
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

- Keep the tool and supply cord clean. Keep ventilation slots clean and open. Wipe the surface of the tool with a soft cloth!
- It is not allowed to use household cleaning agents that contain petrol, trichloroethylene, ammonia and chlorides. These substances corrode and damage plastic parts of the tool.
- Excessive sparking generally indicates the presence of dirt in the motor or abnormal wear on the carbons.
- In case of electric or mechanical failure, send the tool to a KEN authorized service centre for repair.

■SERVICING AND REPAIRS

If servicing is required, contact one of our listed service centers. It is not allowed and dangerous to perform any individual work on the tool.
◆ Have the tool repaired by authorized persons.
◆ Any repairs of the tool in unauthorized service centers is performed at our responsibility.
◆ The owner of the tool is responsible for all works on the tool that were not performed in authorized service center, and therefore he loses the claim for guarantee.

■WASTE DISPOSAL AND ENVIRONMENT PROTECTION

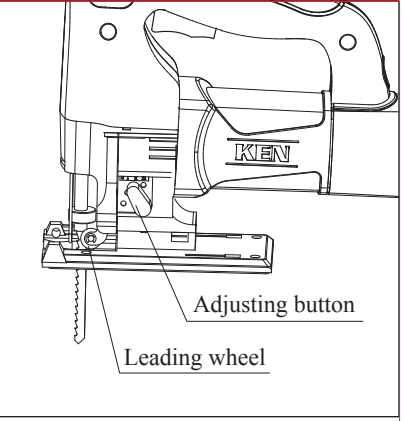
The machine, accessories and packing should be sorted for environmental-friendly recycling. Only for EC countries:
◆ Do not dispose of power tools into household waste!
According the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

■TECHNICAL DATA

Type	M1Q-SH02-60
Maximum Depth of Sawing and Cutting	60mm
Current Source	AC 220-240V~ 50Hz
Rated Input Power	550W
Loading Current	2.6A
Idling Reciprocating Times	500-3000/min
Weight	2.3kg
Noise	$L_{pA} 98.2dB(A)$ $K_{pA} 3.0dB(A)$ $L_{WA} 99.2dB(A)$ $K_{WA} 3.0dB(A)$
Vibration	$a_{hV} 14.5m/s^2$ Uncertainty K:1.5m/s ²
Standard Spare Parts	Anti-fissure Equipment 1PC
	Jig Saw Blade 2PCS
	Deep Head Screw in M6X8 1PC
	Hex-key Screw in M6X7 1PC
	Hex-key Wrench in 3MM 1PC
	Hex-key Wrench in 5MM 1PC
	Carbon Brush 2PCS
	Operating Handbook 1PC

◆ Choose the Cutting Processing Modes

The tool can do the sawing and cutting work in straight line and curved line, the cutting processing mode can be changed through adjusting the button, just turn it to the cutting operating position what the users want (Picture Three).



Picture 3

Please refer to the following form to choose the cutting modes

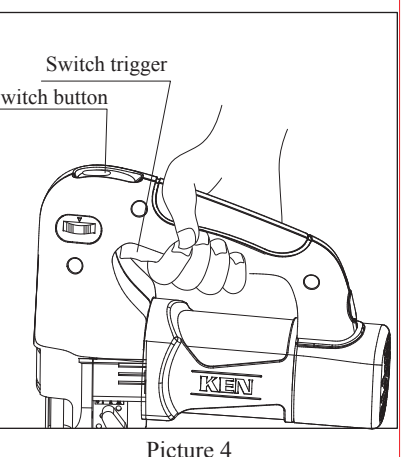
Position	Cutting Processing Modes	Using Examples
0	Cutting Mode in Straight Line	Cut Low Carbon Steel, Stainless Steel and Plastics, More Suitable to Cut Wood and Plywood
I	Cutting Mode in Small Curved Line	Cut Low Carbon Steel, Aluminum and Hard Wood
II	Cutting Mode in Medium Curved Line	Cut Wood and Plywood, Cut Aluminum and Low Carbon Steel in High Speed
III	Cutting Mode in Big Curved Line	Cut Wood and Plywood in High Speed

◆ Switch Operation

Switch ON and OFF
Press the trigger, the tool switches on; release the trigger completely, the tool will be under switching off condition. If the users need to lock the switch, please press the self-locked button at the time of pressing the trigger, the tool will run continuously; press the trigger again and release it completely will make the tool under switch off condition (Picture Four).

Adjust the Speed

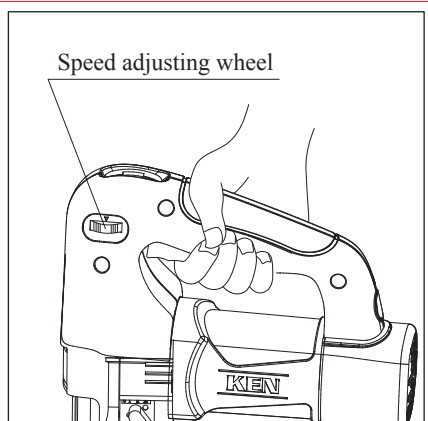
The users can get different cutting speed from low to high through adjusting the adjusting speed switch from 1 to 6 according to different work demands asking change the speed of the tool (Picture Five).
According to the materials of the cut objects, please refer to the below form to choose suitable speed, however, the reasonable processing speed



Picture 4

will change upon the varieties and thickness of the processing objects. Higher processing speed can cut the objects sooner, but it will shorten the usage life of the jig saw blades.

Cut Objects	The Number of the Adjusting Wheel
Wood	5-6
Steel Plate	3-6
Stainless Steel	3-4
Aluminum	2-3
Plastics	1-4



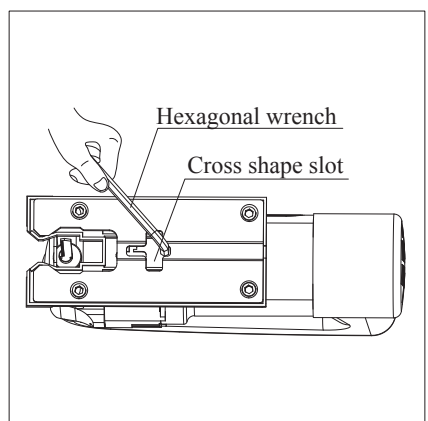
Picture 5

◆Effective and Safe Cutting Methods

Open the tool, hinge the base plate to the table, move the tool forward slightly along the cutting line which has been marked in advance, please push slowly when cutting circular arc.

◆Aslant Cutting

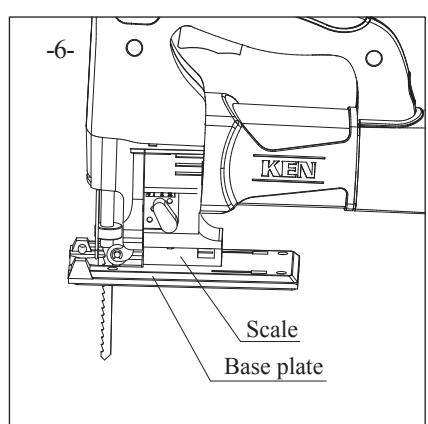
It can cut aslant at any angle which is within 0 degree to 45 degree through using acclivitous base plate, release the bolt of the tool base, move the base plate in order to make the bolt lies in the center of the cross shape slot. Adjust the base plate aslant to get the acclivitous angle what the users want, screw the bolt to fix the base plate (Picture Six, Picture Seven).



Picture 6

◆Metal Cutting

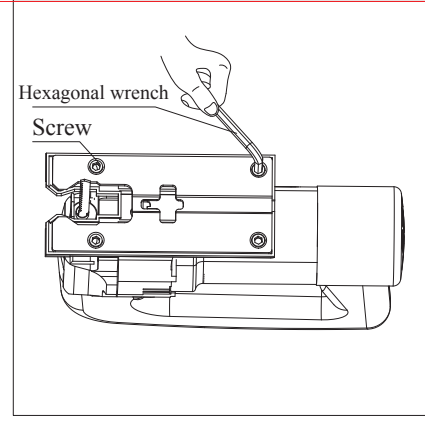
Please use suitable cooling mixture when cutting metal, otherwise, it will cause obvious damage of the jig saw blade, it can also coat oil on the processing objects to substitute cooling mixture.



Picture 7

◆Plastic Base Plate

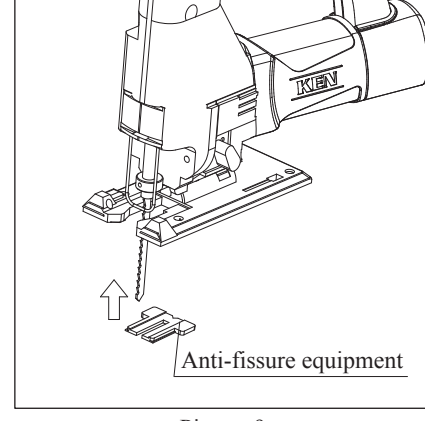
Please use plastic base plate to avoid experiencing break of the sensitive surface when cutting decorative veneer board, plastics, etc., replace the base plate after disassembling four screws (Picture Eight)



Picture 8

◆Anti-fissure Equipment

In order to obtain no fissure cutting, the users can use anti-fissure equipment, it's OK to assemble the equipment from the below to the base plate (Picture Nine).



Picture 9

◆ Replace the Electric Brush

Please replace the electric brush if there's big sparks or the rotation stops during the running. Please replace brushes and lubrication at the same time, and use the specified "KEN" brand electric brush.

■PRACTICAL TIPS

◆ Before connecting the tool with the electric source, please confirm the button of the switch is under released condition, the trigger of the switch can reset freely.
◆ Please close the current source and the jig saw blade stops running completely before putting the tool on the working floor.

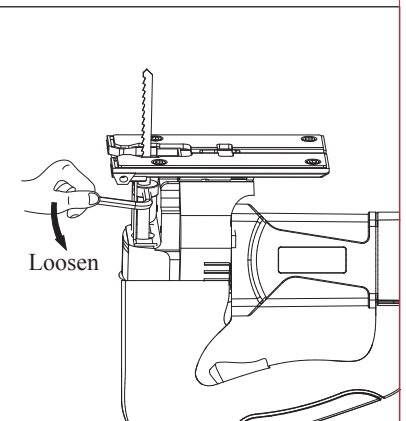
■MAINTENANCE AND CARE

- Unplug the tool from the socket before performing any works on the tool!
- Tool requires no special maintenance, but after some time you must control the parts that are submitted to wear-and-tear under normal operating conditions. This includes the control and replacement of carbon brushes and grease in reducing gear housing. Take the tool to an authorized service centre.

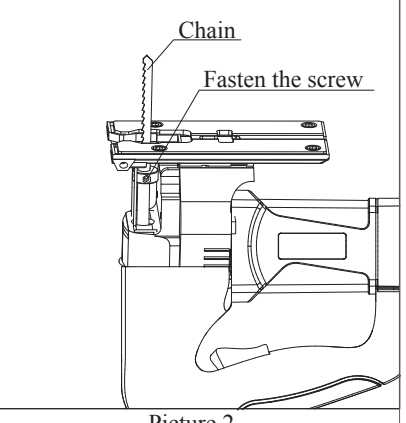
- The top and end of the saw track can not have any barrier.
- Don't approach face or hand to the running part of the tool during the usage.
- Don't put the running tool on the ground or table, the users can only start up the tool with holding the tool on hand.
- Don't cut the materials contains the asbestos, please do remember to wear the breathing mask when cutting other fiber shape materials.
- Close the tool first and then put it down after the tool rests completely when the work is finished. After closing the tool, do not use the side pressure to stop the saw blade.
- Only use the sharp and whole saw blade. Please replace the saw blade at once if it has crack or is bended and blunt.
- Please use the twofold insulation electric cable which size is the same as the size of the tool when using the extended cable.
- Please use an automatic electric interrupter (15mA) to protect the operator's safety if it appears short circuit condition while working in the moist and narrow space with the tool.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

■OPERATION

◆ Assemble or Disassemble the Jig Saw Blade
The switch of the tool must be in "OFF" and draw off the current source plug before assemble and disassemble the jig saw blade. Release the two fastening screws on the clamping block, insert the jig saw blade to the deepest place of reciprocating rod with letting the jig saw blade teeth face the front, confirm whether the contact is OK or not between the back side margin of the jig saw blade and the reactor, and then screw the fastening screw to fix the jig saw blade.
It's OK to disassemble the jig saw blade in an opposite way through the above-said order. (Picture One, Picture Two)



Picture 1



Picture 2

PARTS LIST of the Mod.1260E JIG SAW							
No.	Code	Name	Remark	No.	Code	Name	Remark
1	222001	Screw	ST4×14	24	121001	Slide pin	
2	310005A	Button		25	114005	Position pin	
3	411006	Power cord		26	212009	Roller bearing	HK0810
4	332006	Cord sleeve		27	136001	Big gear	
5	318001	Cord clamp		28	114002	Gasket	
6	314058	Right handle		29	132015	Middle spindle	
7	445008	Switch		30	331002	Bearing bush	
8	447007	Speed switch		31	211009	Bearing	607-2Z
9	326015	Transparent cap		32	572034	Rotor	
10	221201	Screw	ST4×55	33	211015	Bearing	608-2RS
11	231156	Screw	M4×14	34	341001	Fleece gasket	
12	213002	Oil bearing		35	231017	Screw	M4×10
13	161003A	Front cover		36	114007	Retainer	
14	275002	Pin	3×10	37	162024A	Gear case	
15	110125	Safety plate		38	144014	Stop pin	5×22
16	132005	Fixed pin		39	222003	Screw	ST4×18
17	132004	Slide rail		40	342003	Oil seal gasket	
18	233002	Screw	M4×12	41	114006	Stop gasket	
19	110602	Slide rail cap		42	252001	Retainer	8
20	212004	Separate bearing	HK061207	43	231020	Cross screw	M4×16
21	144017	Pin		44	122012	Slide rail shaft	
22	135005	Deflection wheel		45	244001	Retainer	
23	114003	Big gasket		46	255001	Retainer	



1260E M1Q-SH02-60

