

www.kraftool.hk



KRAFTOOL HONG KONG LIMITED

G/F, MOD595, RECLAMATION STREET, KOWLOON, HONG KONG

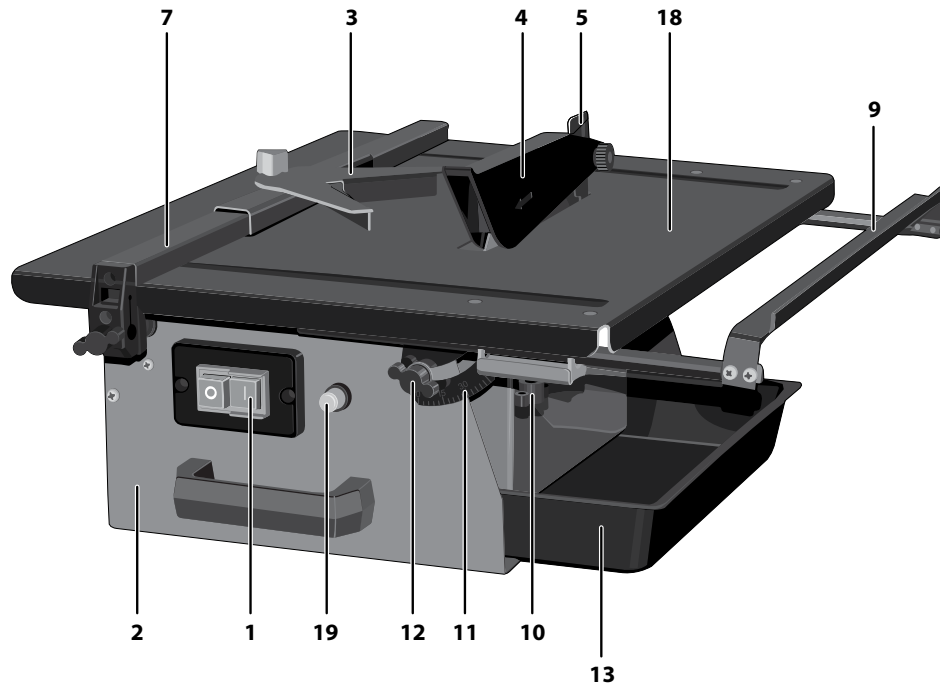
Instruction Manual

Electric Tile Cutter

EP-180-600N | EP-200-1000N

170638

Version: 131218



Dear customer!

When buying the product:

- ▶ please demand checking its serviceability by a test run, as well as completeness according to the delivery contents.
- ▶ please make sure that the warranty card is duly issued and contains the serial number of the product, the date of sale, the stamp of the store and the signature of the seller.

Before running the product for the first time, please carefully read this manual and strictly follow the requirements contained therein. This is the only way for you to learn how to properly handle the product and avoid mistakes and dangerous situations. Please keep this manual for the lifetime of your tool.

Remember! The product is a source of increased traumatic risk.

⚠ ATTENTION

Always follow these rules when you are working with the tile cutter:

- ▶ No one, except the personnel who have undergone relevant training, authorized to work with such machines and familiar with this manual are allowed to work with tile cutter;
- ▶ during the work it is necessary to use protective equipment;
- ▶ working clothes must exclude the possibility of its capture by moving parts of the tile cutter;
- ▶ long hair should be carefully removed under a headdress;
- ▶ do not touch the rotating parts while the tile cutter is running;
- ▶ if the power cable was damaged during operation, immediately disconnect the product from the power supply;
- ▶ plug/unplug the tile cutter to/from the mains only when the electric motor is off;
- ▶ use the tile cutter only for its intended purpose;
- ▶ All adjustments should be made only when the product is turned off;
- ▶ use only serviceable and appropriately sized cutting blades;
- ▶ it is forbidden to leave the tile cutter unattended;
- ▶ It is forbidden to use the tile cutter in the presence of any faults;
- ▶ It is forbidden to work with a loose or defective cutting blade.

Please study the present Manual closely, including the Appendix Basic Safety Instructions. This is the only way you can learn how to properly handle the tool and avoid mistakes and dangerous situations.

The product is intended for use in areas with a temperate climate with a characteristic temperature of - 20 ° C to + 40 ° C, relative air humidity no more than 80%, with no direct exposure to precipitation or excessive air dustiness.

The product complies with the requirements of the Technical Regulations of the Customs Union:

- ▶ TP TC 004 / 2011 "On the safety of low-voltage equipment" Art. 4, paragraphs 1-5, 9;
- ▶ TP TC 020/2011 "Electromagnetic compatibility of technical equipment" Art. 4, paragraphs 2, 3.

This Manual contains the most complete information and requirements necessary and sufficient for reliable, effective and safe operation of the Product.

In view of further works on improvement of the Product, the manufacturer reserves the right to make minor changes in its design not shown in this Manual, as they do not affect the effective and safe operation of the Product

Purpose and scope

Electric tile cutter is designed for cutting all types of natural and artificial tiles (facing, floor, paving, etc.), except for asbestos-containing.

⚠ ATTENTION

The use of the product in industrial volumes, in conditions of high intensity of work and super-heavy loads reduces the service life of the product.

GdYVZVUjcbg

DUfUa Yñf	9 D-180-600N	9 D-200-1000N
Rated supply voltage	220V / 50Hz	220V / 50Hz
Rated power consumption	600W	1000W
Frequency of idling rotation	2950rpm	2950rpm
Disk sizes:		
▶ outer diameter of the disk	180mm	200mm
▶ mounting diameter	22.2mm	25.4mm
Cutting angle:		
▶ straight	90°	90°
▶ oblique	45°	45°
▶ inclined	Up to 45°	Up to 45°
Cutting depth at 90/45 °	34mm / 17mm	40mm / 25mm
Table size	330mm x 360mm	500mm x 400mm
Water cooling of the cut point	yes	yes
Sound power level Lwa (k = 3),	101.5dB	92dB
Sound pressure level Lpa (k = 3)	112.9dB	105dB
Vibration level (k = 1.5), m / s ²	–	–
Safety class according to GOST 12.2.007.0-75	I class	I class
Weight	7.5kg	15kg
Brutto weight	8.3kg	16kg
Service life	5 years	5 years

7 cbñfñg'cZXY'jj Yfm

Electric tile cutter	1 pc	1 pc
Disk*	1 pc	1 pc
Longitudinal stop	1 kit	1 kit
Tray	1 pc	1 pc
Table extension	–	1 pc
Upper protective cover	1 pc	1 pc
Angle stop	1 pc	1 pc
Wrenches	2 pc	2 pc
Fasteners	1 kit	1 kit
Safety instructions	1 copy	1 copy
Instruction manual	1 copy	1 copy

* The enclosed disk is a sample. In case of dissatisfaction with the quality of the cut, replace the disk with one that matches your needs.

⚠ ATTENTION

Ensure that the product and the kit do not have any damage that may have occurred during the shipment.

Operation Instructions

Configuration

- 1 Switch
- 2 Base
- 3 Angle stop
- 4 Upper protective cover
- 5 Cover bracket
- 6 Cutting disc
- 7 Longitudinal stop
- 8 Lower protective cover
- 9 Table extension (only for EP-200-1000N)
- 10 Fixing screw (only for EP-200-1000N)
- 11 Tilt scale
- 12 Fixing screw
- 13 Tray
- 14 Insert (except for EP-200-1000N)
- 15 Outer flange
- 16 Clamping nut
- 17 Spindle
- 18 Work table
- 19 Fuse reset button (only for EP-200-1000N)

Assembling

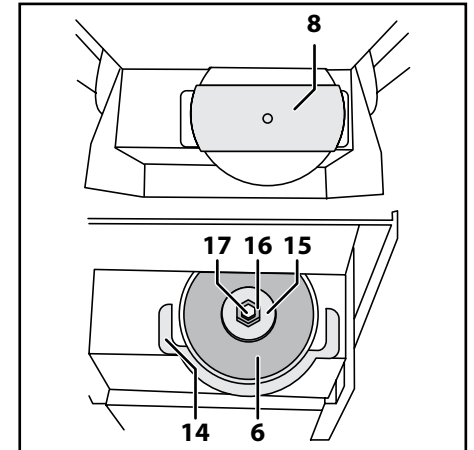
⚠ ATTENTION

All operations related to the assembly, adjustment and maintenance of the product must be done only when the product is disconnected from the mains.

Note! The product can be attached to the bearing surface with fasteners through the mounting holes in the base

The product has a standard cutting disc. If necessary, replace it with a new one or other, corresponding to the upcoming work:

- ▶ remove (if installed) the lower protective cover 8 by removing the screws of its fastening;



- ▶ hold the spindle 17 with the supplied wrench, unscrew the nut 16 with another wrench, remove the outer flange 15 and the cutting disk 6;

- ▶ install a cutting disk, corresponding to the upcoming work, on the spindle;

Note! The direction of rotation of the disk (indicated on the disk itself) must coincide with the direction of rotation of the spindle (indicated on the upper protective cover 4).

- ▶ install the flange 15 and, using the wrenches, **TIGHTLY** tighten the clamping nut 16;

- ▶ Reinstall the insert 14 and the cover 8.

Make sure that the disc is installed correctly - it should turn freely by hand, without making extraneous sounds or touching the fixed parts of the product.

A list of recommended sizes of disks you can find on page 11.

Install the bracket 5, after loosening the screws of its fastening on the case, and then fasten the upper protective cover 4.

Install the longitudinal stop 7 on the work table and tighten the thumb screws on both sides.

Install the tray 13.

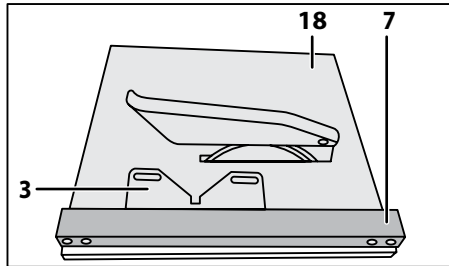
Preparation for work

The product has a standard cutting disc. If it is necessary to install another disk, corresponding to the upcoming work, replace the disk according to the Assembly section.

Prepare yourself for work:

- ▶ prepare and put on protective equipment (glasses, headphones);
- ▶ prepare the workpiece to be processed and make sure that its thickness matches the maximum allowed for your tile cutter;
- ▶ take measures to prevent sagging (causes uneven breaking off or injury when falling) of the notched workpiece;
- ▶ make sure the drive is securely attached to shaft and not locked; To do this, push the disc with your hand in the direction of rotation. With free rotation, there should be no extraneous sounds. If, when the disc rotates, extraneous noise is heard, tighten the disc mount or replace the disc;
- ▶ remove wrenches and other objects from rotating parts of the product.

Fill the tray **13** with water to the level between the risks on the lower protective cover **8**.



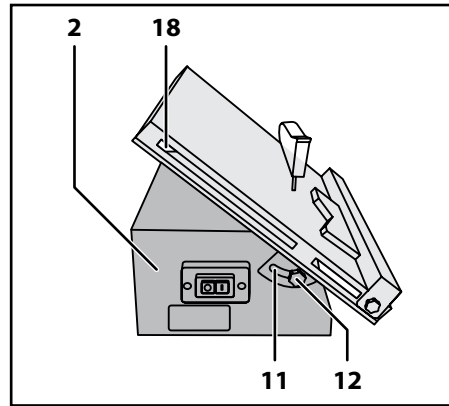
⚠ ATTENTION

The product is intended only for wet cutting. Always fill the tray with water before use and periodically check its level during operation.

If necessary, adjust the cutting width:

- ▶ loosen the thumbscrews at both ends of the guide fence **7**;
- ▶ adjust the required cutting width on the scale on the desktop;
- ▶ Tighten the fixing screws.

Note! The longitudinal stop can be installed both on the right and on the left side of the disk.



If necessary, adjust the angle of the cut:

- ▶ loosen the thumb screws **12** fixing the angle of the table (on both sides);
- ▶ adjust the required table angle on a tilt scale **11**;
- ▶ tighten the screws **12**.

If a slanting cutting at an angle of 45° is necessary, set on the longitudinal stop **7** angular stop **3**.

Operating procedure

Connect the product to the mains.

⚠ ATTENTION

The product corresponds to class I protection against electric shock, i.e. must be grounded (for this, grounding contacts are provided in the plug). Do not alter the plug if it does not fit your outlet. Instead, a qualified electrician should install the appropriate outlet.

The inclusion of the product is carried out by pressing the "I" button of the switch **1**.

Note! Electromagnetic product switch. If the mains voltage fails and its subsequent appearance, the product will not turn on independently. To turn on the product in this case, press the "I" button again.

Note! Start work only after the disc picks up the pace.

Place the workpiece on the work table, press it against the edge of the guide **7** or put it in the corner stop **3**.

If it is necessary to cut large-sized workpieces, you can increase (only for EP-200-1000N) the width of the table by extending the table **9**. To do this, loosen the screws **10** for fixing the extension and slide it to the required distance. After installing in a suitable position, tighten the screws **10**.

For cutting, use the workpiece sliding on the table.

⚠ ATTENTION

During work, always STRONGLY hold the workpiece.

When working with the product, monitor the engine speed. A drop in speed of 20% or more indicates an overload. In this case, it is necessary to reduce the push force to the disc.

Note! On the tile cutter model EP-200 1000N installed thermal fuse, it will automatically disable the engine when it is overloaded or overheated.

To resume power supply, allow the engine to cool down and restore the fuse by pressing button **19**. To resume operation, turn on the product using the switch.

When working with the product, watch the water level in the tray and fill it up as needed.

At the end of the work, turn off the product by pressing the "0" button of the switch. Then unplug the product from the mains.

⚠ ATTENTION

The disc heats up during operation. Do not touch it immediately after work is completed and until it is completely cooled.

Carefully remove all debris from the work table and from under the protective cover.

⚠ ATTENTION

To avoid injury or damage, do not remove debris by hand. Use a brush.

Periodic maintenance

⚠ ATTENTION

Conduct all work on the assembly, replacement and adjustment of produce only when the product is disconnected from mains.

During the operation periodically required:

- a) a replacement of water and cleaning of the tray from the accumulated products of the cut;
- b) a replacement (as wear) of cutting disc. To do this, follow the steps in section Assembly.

Recommended practices

Before starting work, make sure that there is no visible mechanical damage to the product and the disk. A disk with cracks, chips and other damage must be replaced immediately.

⚠ ATTENTION

To avoid injury to the operator and damage to the product DO NOT use the product with a damaged disc.

Make sure that your mains voltage matches the rated voltage of the product.

Connect the product to the mains only when you are ready to work.

Before using the product for the first time, turn it on without load and let it work for 20-30 seconds. If at this time you hear extraneous noise, feel increased vibration or the smell of burning, turn off the product, disconnect the power cable from the mains and determine the cause of this phenomenon. Do not turn on the product before the cause of the malfunction has been found and corrected.

Ensure good lighting and order in the workplace - inadequate lighting and foreign objects can cause damage and injury.

To avoid accidents, each time before switching on the product, make sure that:

- ▶ the disk is securely mounted on the shaft and does not rotate;
- ▶ the disk does not beat;
- ▶ foreign objects are removed from the rotating parts of the product and from the work area.

The product corresponds to class I protection against electric shock, i.e. during operation must be grounded (for this, grounding contacts are provided in the plug). Do not alter the plug if it does not fit your outlet. Instead, a qualified electrician should install the appropriate outlet.

The product is intended to work **ONLY** with diamond-coated cutting discs.

DO NOT INSTALL any other discs (saw, abrasive, etc.) on the product. Do not use consumable tools that do not correspond to the technical characteristics of this product (in particular, in terms of rotation frequency, outer diameter or trim diameter). **DO NOT** use a tool that is heavily worn or with visible mechanical damage (chips, cracks).

The product is **NOT INTENDED** for sawing wood workpieces and its derivatives (plywood, chipboard, fiberboard, MDF, laminated panels, etc.), as well as metal and plastics. Otherwise, there may be a fire in the cut products or the workpiece itself, as well as damage to the product.

Before turning on, make sure that the disc does not touch the surface of the workpiece.

In order to avoid injuries, when working with the product, **DO NOT** place your hands on work surfaces in any way.

Be careful when cutting large, very small or uncomfortable workpieces. Use additional support surfaces when cutting long workpieces, as the cut part of the workpiece can tip over from the work table.

NEVER cut:

- ▶ workpieces, not holding them with your hands;
- ▶ workpieces whose dimensions do not allow to hold them;
- ▶ several workpieces at the same time.

In order to avoid damage to the product and its failure, do not start work until the full spin of the disc.

We recommend to use the **3Y6P** company cutting discs. Do not use discs that do not meet national standards, never install saw blades or other working tools that are inappropriate for the purpose of the product - this may cause injury and damage to the product.

If the engine does not start or stops suddenly during an operation, immediately turn off the product and disconnect it from the mains. Check the disc for free rotation by hand. If the disc rotates freely, turn on the engine again. If the disc does not rotate, try to find and eliminate a possible cause in accordance with the section of possible faults.

Do not apply excessive force when pushing workpiece to the disc. This will not speed up the cutting process, but will only reduce the quality of work and shorten the life of the product.

Monitor the state of the cutting disc. With an increased beating (manifested in vibration, it may be the result of uneven wear or warping when overheated) replace it with a new one. To replace a disc, follow the steps in the Assembly section.

Do not allow overheating of the replacement tool and the motor of the product. Take breaks for a time sufficient to cool the product.

Control the water level in the tray.

Turn off the product from the mains immediately after work. Turn off the product only with the "0" key switch. Do not turn off by simply unplugging the power cord (by removing the plug from the outlet).

Periodically clean the case of the product and the cable, ventilation openings of dirt and dust. All maintenance work must be carried out with the cable is unplugged.

The product does not require other special service.

All repair work should be carried out only by the specialists of the service centers.

Keep the product in good condition. In the event of suspicious smell, smoke, fire, sparks, turn off the product, disconnect it from the power supply and contact the specialized service center.

If the product seems to be defective, immediately stop its operation.

Due to the technical complexity of the product, the criteria for limiting states cannot be determined by the users on their own.

In case of obvious or suspected malfunction, refer to the section "Possible faults and elimination methods". If there is no malfunction in the list or you could not solve it, contact a specialized service center. The service center issues a conclusion on the limiting condition of the product or its parts in the form of the relevant Act.

The disc heats up during operation. Do not touch it immediately after work is completed and until it is completely cooled.

Check the status of the power cable regularly. Prevent damage to insulation, pollution by aggressive and conductive substances, excessive pulling and bending loads.

A damaged cable must be replaced immediately at a service center.

Transportation and storage conditions

Store the product in a clean, dry, ventilated area, away from heat sources. Do not allow moisture, direct sunlight.

Transport the product in the package from the manufacturer.

Safety Instructions

Do not allow the presence in the work area by unauthorized persons and children.

All work on the assembly, adjustment and replacement of consumables must produce only when the product is disconnected from the mains.

To avoid accidents, each time before connecting the product to the mains, make sure that:

- ▶ foreign objects are removed from the rotating parts of the product and from the work area;
- ▶ The cutting disc is properly installed (in terms of the direction of rotation) and securely fastened.

The product corresponds to class I protection against electric shock, i.e. during operation must be grounded (for this, grounding contacts are provided in the plug). Do not alter the plug if it does not fit your outlet. Instead, a qualified electrician should install the appropriate outlet.

Do not perform work without wetting the cutting area (without water in the tray) - dust produced during the cutting process can cause harm to health by getting into the eyes and respiratory organs.

The product is intended for use only with solid diamond discs.

Warranty

We constantly care about improving the quality of service to our customers, therefore, if you have any complaints about the quality and the period of warranty repair, please, let us know in the 3Y6P support service by e-mail to cs@kraftool.hk.

We provide a warranty for the 3Y6P tools under the following conditions:
 1) The warranty is provided in accordance with the conditions listed below by free of charge troubleshooting the instrument during the prescribed warranty period, which is proved due to defects in material or workmanship.

2) The warranty period starts from the date of purchase of the instrument by the first owner.

3) The terms and conditions of the warranty depend on the series and article number of the instrument, we ask you to carefully read the warranty terms at the time of purchase.

The warranty period is 6 months from the date of sale.

4) Warranty does not cover:

a) Parts subject to working and other types of normal wear and tear, as well as an equipment malfunction caused by these types of wear, and the product, which has the full development of the resource, strong external or internal pollution.

b) Tool malfunctions caused by non-compliance with the Operating Instructions or occurring due to misuse of the tool, during use in environmental conditions beyond the specified operating instructions, inadequate working conditions, due to overloading or insufficient, inadequate maintenance or care. The unconditional signs of product overload include, among others, the appearance of colors of tinge, simultaneous failure of the rotor and stator, deformation or melting of parts and components of the product, darkening or charring of the electric motor wires under the action of high temperature.

c) When using the product in conditions of high intensity work and super heavy loads.

d) For preventive and maintenance works, for example: lubrication, flushing.

e) Tool malfunctions due to the use of accessories, associated and spare parts that are not original accessories/parts of the 3Y6P.

f) Mechanical damage (cracks, chips, etc.) and damage caused by exposure to corrosive environments, high temperature and high humidity, the ingress of foreign objects into the ventilation opening tool and also damage caused by improper storage and corrosion of metal parts.

g) Accessories, wear parts and consumables that failed due to normal wear, such as drive belts, battery packs, barrels, guide rollers, protective covers, collets, cartridges, soles, saw chains, saw tires, sprockets, tires, carbon brushes, knives, sawing, abrasives, drills, trimmer line, etc.

h) The tool, the design of which has been amended or supplemented.

i) Insignificant deviation from the declared properties of the instrument, which does not affect its value and the possibility of its intended use.

j) For a tool that has been opened or revised during the warranty period outside of authorized service centers.

5) The elimination of faults recognized by us as a warranty case is carried out at the choice of the 3Y6P company by repairing or replacing the product with a new one (possibly with a next-generation model). Replaced product and its parts become the property of the company.

6) Warranty claims are accepted within the warranty period. To do this, submit or send the defective instrument to the service center, enclosing the completed warranty certificate confirming the date of purchase of the goods and its name. A product transferred to a dealer or service center in a partially or fully disassembled form is not covered by the warranty. All risks of transferring and shipping the product to the dealer or service center are borne by the product owner.

7) Other claims, other than the said right to a free repair of the defects of the instrument, are not covered by the warranty.

8) All power tools require regular maintenance. The maintenance interval is equal to the service life of the carbon brush set.

9) The service life of the product is 5 years.

POSSIBLE FAULTS AND ELIMINATION METHODS

Fault	Possible cause	Trouble shooting
The product does not switch on	No mains voltage	Check the mains voltage
	Faulty switch, motor or other component	Contact a service center for repair or replacement
	Jamming of the disk (in the workpiece) or spindle	Contact a service center for repair or replacement
The engine does not develop full speed and does not operate at full power	Low mains voltage	Check the mains voltage
	Great effort to push the workpiece, the engine is overloaded	Reduce feed force
	Faulty switch, motor or other component	Contact a service center for repair or replacement
The product stopped in operation process	Jamming of the disk (in the workpiece) or spindle	Release the disk or contact the service center for repair
	No mains voltage	Check the mains voltage
	Great effort to push the workpiece, the engine is overloaded	Reduce push force
Increased vibration, backlash of the cutting disc	Disk jamming	Free up the disk
	Faulty switch, motor or other component	Contact a service center for repair or replacement
	The disk is unbalanced (chipped, curved)	Replace the disk (see Assembly section)
Unsatisfactory cutting result	The disk is badly fixed	Tighten the flange nut after installing the disc.
	Other reasons	Check the tile cutter in a specialized workshop
	The disk is worn or damaged (crooked, cracked)	Replace the disk (see Assembly section)
Cutting disc wedges in the cut, burned the walls of the cut	The disk is badly fixed - turns on a shaft	Tighten disc mount
	Insufficient power or engine speed (see fault 2)	Perform troubleshooting from fault 2
	Incorrect operation	See the recommended practices section.
The product overheats	Sticking the workpiece material onto the cutting disc, the cutting disc is not wetted	Billet of soft and viscous material, the billet can not be processed cutting disc tile cutter, check the water level in the tray
	Intensive mode of operation, work with maximum load	Change the mode of operation, reduce the load
	High ambient temperature, poor ventilation, clogged ventilation holes	Take steps to reduce the temperature, improve ventilation, clean the ventilation holes
	Lack of lubrication, jamming in the mechanism	Contact a service center for repair
	Burning or breakage in engine winding burned out	Contact a service center for repair

RECOMMENDED CUTTING DISCS

Tool	cODE	Name	Specifications
EP-180-600N	36654-180	SOLID diamond cutting disc 3Y6P, for wet cutting	D180 MM x 22.2 MM
EP-200-1000N	36655-200	SOLID diamond cutting disc 3Y6P, for wet cutting	D200 MM x 25.4 MM