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RADIAL TILE CUTTER 600W - 400MM POWX240

1 APPLICATION

Your tile cutter has been designed for cutting ceramic and clay paving and wall tiles. It is not designed for commercial use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 DESCRIPTION (FIG. A)

- | | |
|------------------------------|---|
| 1. Scale plate | 8. Mitre fence |
| 2. Tighten knob | 9. Blade guard |
| 3. Indicator | 10. Rail fence (45°) |
| 4. Grip handle | 11. Rail fence |
| 5. Guide rail | 12. Locking knob (for stop head moving) |
| 6. Fixing bolt / mitre gauge | 13. Clamps for water reservoir |
| 7. Knob / mitre gauge | |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!

- | | |
|---------------|---------------|
| 1 Tile cutter | 2 hex keys |
| 1 Water tray | 2 wrench keys |
| 1 Mitre guide | 1 manual |



When parts are missing or damaged, please contact your dealer.

4 SAFETY SYMBOLS

	Denotes risk of personal injury or damage to the tool		Take measures to protect hearing.
	Take measures to protect your eyes.		Do not use toothed cutting discs.



Wear gloves

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

5.1 Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug 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.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- 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.

5.3 Personal safety

- 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.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- 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.

- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 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.

5.4 Power tool use and care

- 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.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 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 sticking 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5.5 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.

6 ADDITIONAL SAFETY INSTRUCTIONS FOR TILE CUTTERS

- Make sure that the cutting disc is correctly screened by the guard.
- Do not use cutting discs which are bent, deformed or otherwise damaged.
- Do not use cutting discs which do not comply with the specifications stated in this manual.
- Never start cutting tiles before the machine reaches full speed.
- Never attempt to cut extremely small workpieces.
- Do not leave the work area until the machine has been switched off and the cutting disc has come to a complete standstill.
- Never attempt to stop the cutting disc by exerting pressure on the side of the disc.
- Before use check the pump for damage. Should the pump be damaged, it must not be used.
- Never let the pump run dry.
- Never lift the pump by the mains cable or hose, but only by the housing.
- Always unplug the machine before performing any maintenance.
- Do not use the machine before it has been completely assembled and installed according to the instructions.
- Do not perform any design, assembly or Construction activities on the table while the machine is switched on.

- Unplug the machine and clean the table before leaving the work area.
- Wear protective glasses, dust mask, ear defenders, work gloves and protective-sliding shoes.
- Keep the table flat and do not scratch or press the table.
- Do not put hands anywhere near the blade whilst it is rotating.
- Do not attempt to free a jammed blade without first switching off or removing the plug from the mains power supply.
- Do not cut small workpiece and also do not use for a purpose not intended.
- Keep water full in the tank when you operate the cutter.
- Do not use any solvents for instead water in this tool.

6.1 **Power supply**

- This tile saw must be connected to an earthed 230V - 50Hz power source.
- This power source must be secured by a 16A fuse.
- Your machine is supplied with a 30mA residual current device to protect the user against electric shock.
- It can only protect you when the power mains to which the tool is plugged is properly grounded.
- Have the proper outlet installed by a qualified electrician.
- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

6.2 **Using an extension lead**

- The use of any extension lead will cause some loss of power.
- To keep this to a minimum and to prevent overheating and motor burn-out, ask advice from a qualified electrician to determine the minimum wire size of the extension lead.
- The extension lead should be equipped with an earthed type plug that fits the power supply outlet at one end, and with an earthed type socket that fits the plug of the machine at the other end.

7 **ADDITIONAL SAFETY INSTRUCTIONS FOR LASERS**

- **Warning!** The laser beam potentially causes severe eye damage. Never look or stare directly into the laser beam.
- During use, do not point the laser beam at people, directly or indirectly through reflecting surfaces.
- This laser complies with class 2 according to EN 60825-1:2001. The unit includes no servicing components. Do not open the housing for any reason. If the unit is damaged, have the damage repaired by an authorized repair agent.



Attention
Laser beam
Do not stare into the beam
laser class 2

Laser class : class 2
Laser wave length : 650 nm
Laser output : ≤1 mW

The laser on this machine is equipped with 2 AAA batteries.

8 ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES

- When replacing batteries, always replace the complete set. Do not mix old batteries with new ones.
- Prevent removed batteries from short circuiting.
- Do not store batteries where the temperature may rise above 50 °C, e.g. in a car which has been parked in the sun.
- Do not burn batteries.
- Never attempt to open batteries.
- In case of battery leakage, carefully remove the liquid using a cloth. Avoid skin or eye contact. Do not swallow. In case of skin or eye contact, rinse abundantly for 10 minutes with clean water and consult a physician.

9 ASSEMBLY

9.1 *Installing the stand (Fig.1)*

- Assemble the four legs to the table.
- Take care to tighten the bolts firmly, so that the machine stands securely.
- Place the water reservoir in the table, and secure it in place using the two clamps (13, Fig. 1).
- Place the machine in the water reservoir.

9.2 *Installation of the pump. (fig B)*



Never let the pump run dry. Always make sure that the suction opening is fully immersed.

10 OPERATION

- Remove the head lock knob before use.
- Adjust the required tool position, then tighten all the adjusting knobs, fence bolts and mitre gauge bolts.
- Before switching the machine on, make sure that the water pump is immersed.

Turn on the main switch and allow your tool to reach the maximum speed before commencing cutting.

- Place the workpiece against the fence or mitre fence.
- Keep the workpiece in place and slowly guide the cutting disc through the workpiece.
- Do not exert pressure on the cutting disc. Allow the machine enough time to cut the workpiece.
- Cutting actions tends to slow the blade down. Pressure should therefore be occasionally released to allow the blade to regain the full speed.
- Regularly check if the cutting disc is sufficiently cooled.
- Make sure that the cutting disc is cooled with water. Add some cooling water if necessary.
- Lock the head after use.



If holding the workpiece by hand take extreme care and ensure hand is kept away from the cutting blade.

10.1 *Switching on and off (fig. A)*

- To switch the machine on, set the on/off switch (1) to 'I'.
- To switch the machine off, set the on/off switch (1) to '0'.

Warning! Do not attempt to pick up an off-cut or to remove the holding workpiece before the cutting blade has completely stopped. If holding the workpiece by hand take extreme care and ensure hand is kept away from the cutting blade.

10.2 Changing cutting blade (fig 2)



Warning! To avoid injury from accidental starting, always turn the switch off "0" and remove the power plug from the power source before changing the blade.

Remove the safety cover (9, Fig. 1).

- Use correctly sized open-ended spanners to loosen the (left-handed thread) nut (1, Fig. 2).
- Remove the outer flange (2, Fig. 2), then the saw blade (3, Fig. 2).
- When fitting the new blade, note the correct direction of rotation: the arrow on the cutting blade and on the safety cover (9, Fig. 1) must face the same direction.
- Re-fit the outer flange, and then tighten the nut firmly (Fig. 2).

DIAMOND BLADES

Only use 180mm diameter Continuous Rim Wet Diamond blades.

DO NOT use larger, segmented or 'turbo' blades, wood sawing blades, or any other cutting device.

Severe bodily injury, and damage to your saw can occur.

Inspect blades daily for cracks or uneven wear. Discard cracked, chipped or bent blades!

Ensure the blade is mounted with the rotation arrow in the proper direction and is securely tightened with a wrench.

Always ensure a continuous flow of water on both sides of the blade before cutting any material.

Do not operate the machine without all safety guards in position

Do not force the material into the blade. Let the blade cut at its own speed.

11 CLEANING AND MAINTENANCE



Attention ! Before performing any work on the equipment, pull the power plug.

11.1 Cleaning

Regularly clean the machine housing with a soft cloth, preferably after each use.

Keep the ventilation slots free from dust and dirt.

If the dirt does not come off use a soft cloth moistened with soapy water.



Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

Remove the water tray from the machine and drain the dirty water.

11.2 Maintenance

Our machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

11.3 Lubrication

The machine requires no additional lubrication.

12 SERVICE DEPARTMENT

Damaged switches must be replaced by our after-sales service department. If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

13 STORAGE

Thoroughly clean the whole machine and its accessories. Ensure to locked tool head (12, Fig.1), before storing it. Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.

14 TECHNICAL DATA

type	POWX240
Mains voltage	230-240V
Mains frequency	50 Hz
Power input	600 W
No load speed	3000 rpm
Blade size (diameter x bore x thickness)	Ø 180 x 25,4 x 2,2mm
Max. cutting depth (90°)	25 mm
Max. cutting depth (45°)	15 mm
Mitre angle	0-45°
Bevel	0-45°
Table dimensions	500 x 385mm
Max cutting length	400mm
Weight	30 kg

15 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	71 dB(A)
Acoustic power level LwA	84 dB(A)



ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

aw (Vibration)	1,3 m/s ²	K = 1,5 m/s ²
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16 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorized customer service center for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

17 ENVIRONMENT



Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way. Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice

BATTERY PACK

This product contains batteries. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of nickel-cadmium batteries in ordinary trash. Consult you local waste authority for information regarding available recycling and/or disposal options.

18 DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
product : Tile Cutter 600W
trade mark : POWERplus
model : POWX240

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);
2011/65/EU
2006/42/EC
2014/30/EU

European harmonized standards (including, if applicable, their amendments up to the date of signature);

- EN61029-1 : 2009
- IEC61029-2-7 : 1.0 : 1993
- EN55014-1 : 2006
- EN55014-2 : 1997
- EN61000-3-2 : 2014
- EN61000-3-11 : 2000

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Hugo Cuypers
Regulatory Affairs – Compliance Manager
Date : 27/11/2017