

# OPERATING

## Protective equipment

### General

Do not use the machine unless you are able to call for help in the event of an accident.

### Personal protective equipment

You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.



**WARNING!** The use of products such as cutters, grinders, drills, that sand or form material can generate dust and vapours which may contain hazardous chemicals. Check the nature of the material you intend to process and use an appropriate breathing mask.



**WARNING!** Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.

Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.



**WARNING!** There is always a risk of crush injuries when working with products containing moving parts. Wear protective gloves to avoid body injuries.

Always wear:

- Hearing protection
- Approved eye protection. If you use a face shield then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries. Visors must comply with standard EN 1731.
- Breathing mask
- Protective gloves.
- Hair covering to contain long hair.

Generally clothes should be close-fitting without restricting your freedom of movement. Be careful as clothing, long hair, and jewellery can get caught in moving parts.

### Other protective equipment



**WARNING!** Sparks may appear and start a fire when you work with the machine. Always keep fire fighting equipment handy.

- Fire fighting equipment
- Always have a first aid kit nearby.

## General safety precautions

This section describes basic safety directions for using the machine. This information is never a substitute for professional skills and experience.

- Please read the operator's manual carefully and make sure you understand the instructions before using the machine. Save all warnings and instructions for future reference.
- Keep in mind that the operator is responsible for accidents or hazards occurring to other people or their property.
- All operators shall be trained in the use of the machine. The owner is responsible for ensuring that the operators receive training.
- The machine must be kept clean. Signs and stickers must be fully legible.



**WARNING!** The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.

Never allow children or other persons not trained in the use of the machine to use or service it. Never allow anyone else to use the machine without first ensuring that they have read and understood the contents of the operator's manual.

Never use the machine if you are fatigued, while under the influence of alcohol or drugs, medication or anything that could affect your vision, alertness, coordination or judgement.



**WARNING!** Unauthorized modifications and/or accessories may lead to serious injury or death to the user or others.

Do not modify this product or use it if it appears to have been modified by others.

Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the Maintenance heading.

Always use genuine accessories. Contact your dealer for more information.

### Always use common sense

It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent or an experienced user. Do not attempt any task that you feel unsure of!

# OPERATING

## Electrical safety



**WARNING!** There is always a risk of shocks from electrically powered machines. Avoid unfavourable weather conditions and body contact with lightning conductors and metal objects. Always follow the instructions in the Operator's manual to avoid damage.

Never connect the machine to a outlet if plug or cord is damaged.



**WARNING!** When cleaning the machine, make sure to avoid water entering the electrical system and the motor unit. Water can cause damage to the machine or short circuit.

- Check that the mains voltage corresponds with that stated on the rating plate on the machine.
- Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.
- Always shut down the machine before disconnecting the power plug.
- Never drag the machine by means of the cord and never pull out the plug by pulling the cord. Hold the plug to disconnect the power cord.
- Never use the machine if any cable or plug is damaged, but hand it in to an authorized service workshop for repair.
- Always connect the machine through an ground fault circuit interrupter with personal protection, i.e. an ground fault circuit interrupter that trips at an ground fault of 30 mA.

## Grounding instructions



**WARNING!** Improper connection can result in the risk of electric shock. Contact a qualified electrician if in doubt as to whether the appliance is properly grounded.

Do not modify the plug. If it will not fit the outlet have a proper outlet installed by a qualified electrician. Make sure local regulations and ordinances are followed.

If the grounding instructions are not fully understood contact a qualified electrician.

- The machine is equipped with a grounded cord and plug and should always be connected to a grounded outlet. This reduces the risk of electric shock in the event of malfunction.

## Extension cords and cables

- The marking on the extension cable must be the same or higher than the value stated on the machine's rating plate.
- Use grounded extension cables.
- **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.
- Keep the connection to the extension cord dry and off the ground.
- Keep cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cable increase the risk of electric shock.
- Check that the cord and extension cord are intact and in good condition. Never use the machine if any cable or plug is damaged, but hand it in to an authorized service workshop for repair.
- To avoid overheating do not use the extension cord while it is rolled up.
- When using an extension cable, use only certified extension cables with sufficient reach. For more information, see "Recommended cable dimensions" in the "Technical data" section.

## Work safety

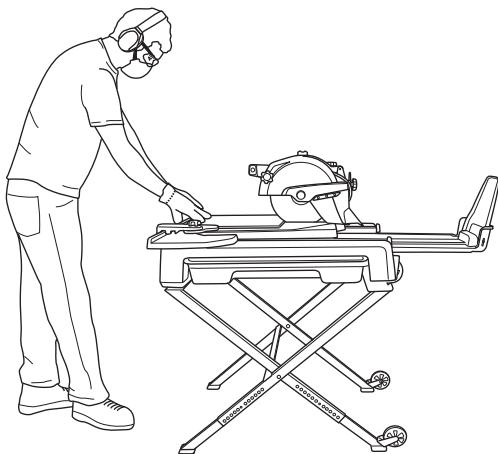
### Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- People and animals can distract you causing you to lose control of the machine. For this reason, always remain concentrated and focused on the task.
- Do not use the machine in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc.
- Never start to work with the machine before the working area is clear and you have a firm foothold.
- **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.

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## Personal safety

- Never use the machine if you are fatigued, while under the influence of alcohol or drugs, medication or anything that could affect your vision, alertness, coordination or judgement.
- Check that no tools or other objects have been left lying on the machine.
- Never allow anyone else to use the machine without proper training.
- Always shut off the machine during longer work breaks.
- Never work alone, always ensure there is another person close at hand.
- Learn how to use the machine and its controls safely and learn to how to stop quickly. Also learn to recognize the safety decals.
- Keep handles dry, clean and free from oil and grease.
- Do not overreach. Keep proper footing and balance at all times.
- Never stand on the machine.
- Stand upright. Keep distance between your face and the cutting blade. Place both hands on the work piece as far away from the cutting blade as possible. If plunge function is used is one hand placed on the cutting handle.

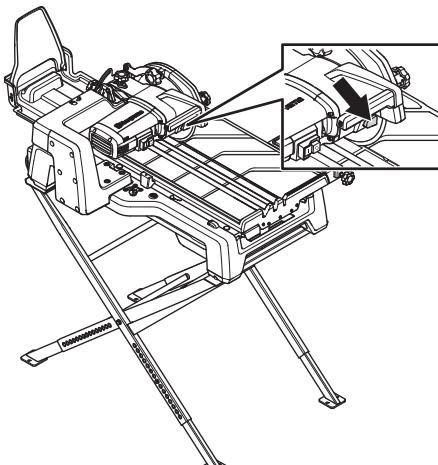


## Use and care

- This machine is designed and intended for cutting tile and stone. All other use is improper.
- Experience is very important when running the machine. A skilled worker is highly recommended.
- The machine is intended for use in industrial applications by experienced operators.
- Check that the machine is assembled correctly and do not show any signs of damage.
- Always perform daily maintenance before starting the engine. See instructions in the section "Maintenance".
- Do not overload the machine. Overloading can damage the machine.
- The blade shall be intended for the material to be cut.
- If you are uncertain of what blade to use contact your local service dealer.
- Keep tools sharp and clean in order to enable safer work.
- Keep all parts in good working order and ensure that all fixtures are properly tightened. Replace all worn or damaged decals.
- Never leave the machine unsupervised with the motor running.
- Feed the work piece against the rotation of the blade only!
- Observe care when lifting. You are handling heavy parts, which imply the risk of pinch injuries or other injuries.

## Water cooling to the blade

- Water cooling through the blade guard should always be used when miter cutting and when diagonal cutting 500 mm (20") tile. The cut is longer than the cart and at the start of the cut, the blade will not pick up any water from the slot in the cart.
- Turn the water knob slightly to redirect water to the blade.
- When reaching the slot in the cart, the water to the blade can be shut off in order to keep the area as clean as possible.



# OPERATING

## Basic working techniques

### Mitre cutting

The cutting arm can pivot up to 45° degrees. There is a marking at 22.5°.

- Loosen the lock knob for miter cutting and set the required angle.
- Lock the knob.

### Plunge cutting

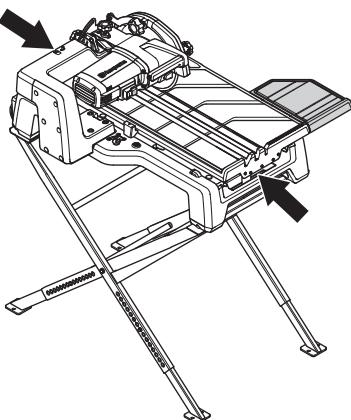
The cutting arm is spring loaded and adjustable up and down.

- Loosen the lock knob for the depth adjustment. With the handle on the cutting arm the cutting blade can adjust up and down and create a plunge cut in the work piece.

## Transport and storage

Stop the motor and disconnect the power cable before lifting or moving the machine.

- Secure the equipment during transportation in order to avoid transport damage and accidents.
- Ensure that the conveyor cart is locked and that the extension slide is locked in its inner position.
- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- For transport and storage of Blades, see the section "Blades".
- Lift the machine at the short ends.



# STARTING AND STOPPING

## Before starting



**WARNING!** Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Wear personal protective equipment. See instructions under the "Personal protective equipment" heading.

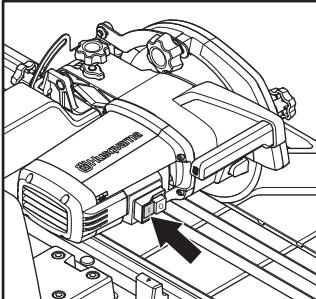
Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury.

Prevent unintentional starting of the motor. Ensure the power switch is in the OFF-position before connecting the machine to a power source.

- Check that the machine is assembled correctly and do not show any signs of damage. See instructions in the section "Assembling and adjustments".
- Perform daily maintenance. See instructions in the section "Maintenance".

## Starting

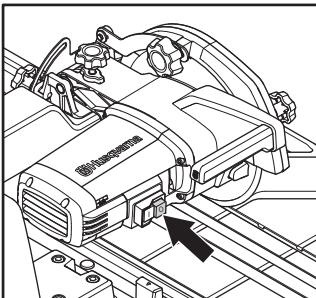
- Push the green button marked "I" to start the machine.



- The water pump starts automatically when the machine is started.
- Wait a few seconds for the water slots in the cart to be filled with water before starting to cut.

## Stopping

- Push the red button marked "O" to stop the machine.



- Make sure that the cutting blade can rotate freely until it is completely stopped.