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SCROLL SAW 85W POWX190

1 APPLICATION

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

1. Power ON/OFF switch
2. Fixation knob
3. Transverse guides
4. Saw blade holder
5. Protective hood
6. Tightening screw
7. Dust blower tubing

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 Scroll saw with installed saw blade
- 1 Protective hood
- 2 Screws for installing the protective hood
- 1 Saw blade (already installed)
- 1 Dust blower tubing

- 3 Rubber feet
- 3 Screws with nuts and washers for mounting the rubber feet
- 1 Transverse guide
- 1 Instruction manual



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

4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.		Wear eye protection
	Read manual before use		Wear gloves



In accordance with essential requirements of the European directive(s)

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 SCROLL SAWS

- Wear safety glasses and a protective mask.
- Use the scroll saw solely indoors
- Make sure the saw teeth are pointing downward before using the appliance.
- If teeth are missing or damaged, replace the saw blade immediately.
- Use the scroll saw on a flat and stable surface.
- Never apply lateral pressure to the blade. It could break.
- Check wooden workpieces for the presence of nails etc. and remove them.
- Do not put your hands on the cutting surface of the saw.
- Never leave the saw unattended.
- Bits of wood, etc, lying near the saw should never be removed while the appliance is running. Shut off the machine before you remove such items.

7 ASSEMBLY

7.1 Mounting the protective hood (fig. 1)

- Before starting the appliance, install the protective hood (5).
- Insert the screw from the left; then install the mounting and washer from the right. To make things simpler the washer (A) need not be installed.

- Tighten the clamps.

7.2 Assembly of transverse guide (fig. 2)

- The transverse guide (3) is for mitre sawing; the transverse guide (3) can also be used at the same time as a support for the material as you guide it through the saw.

8 OPERATION

8.1 Inclination of the table. (fig. 3)

The saw bench can be tilted 45 degrees. This is done as follows:

- Loosen the lock nut under the bench
- Tilt the bench by hand until the desired angle is reached.
- The angle can be read from a calibrated scale on the appliance.
- Tighten the lock nut.

8.2 Installation of the saw blade (fig. 4)



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

- Choose the correct saw blade for the type of wood to be worked on.
- Jiggle the tightening screw upward.
- Glide the saw blade teeth downward through the groove. Be sure that the saw blade joggle (or the saw blade adapter) slides into the bottom groove. There is an observation window on the front of the appliance. By peering through it you can see whether the saw blade sits securely in the bottom blade holder.
- Pull the saw blade upward so that the top joggle bolt (or saw blade adapter) slides into the top holder.
- Loosen the tightening screw until the spring is no longer under tension.
- Remove tools and other objects from the saw bench. Turn on the power and let the saw blade run before you begin to saw. Check that the saw blade is running smoothly.
- Attach the saw blade adapter to the saw blade (for scrolling). Ensure that the hexagonal nuts are tightened far enough that the blade does not sit askew and thus cuts unevenly.
- Mount the unit in the holder as per the instructions in the section "Saw blade installation"

8.3 Removing the saw blade



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

- Loosen the tightening screw until the spring is no longer under tension.
- Push the top saw blade holder downward and raise the blade slightly to make it easier to remove.
- Lower the blade slightly and push it forward to detach the lower blade holder.

8.4 Use

- The saw blade cuts only in downward movement.
- Shove the workpiece slowly and with minimal pressure toward the saw blade.
- Hold the workpiece on the bench firmly with both hands and push slowly toward the blade, taking care that the blade does not break or deflect.
- The saw blade must be sharp for optimal results.
- Use the right saw blade. The choice of blade depends on the hardness of the wood and on the desired cut. Generally speaking one can say the harder the wood, the finer the blade teeth. Use a narrow blade to saw acute roundings.

10pcs assorted spare blades are also available in our assortment : POW X190A

9 TECHNICAL DATA

Mains voltage	230 V~
Mains frequency:	50 Hz
Power input	85 W
No load speed	1440 min ⁻¹
Max Saw depth	50mm
Max Saw width	410mm
weight	11.5 kg

10 NOISE

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

Acoustic pressure level LpA	75 dB(A)
Acoustic power level LwA	88 dB(A)



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

11 CLEANING AND MAINTENANCE



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

11.1 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.

11.2 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.

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.
- 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.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

14 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 authorised customer service centre 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.

15 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.

16 DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
product : Scroll Saw 85W
trade mark : POWERplus
model : POWX190

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
EN55014-1 : 2017
EN55014-2 : 2015
EN61000-3-2 : 2014
EN61000-3-3 : 2013

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

The undersigned acts on behalf of the company CEO,

A handwritten signature in black ink, appearing to read "Philippe Vankerkhove", written over a faint horizontal line.

Philippe Vankerkhove
Regulatory Affairs – Compliance Manager
Lier, 02/05/2019