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# DEMOLITION HAMMER 1700W POWX11861

## 1 APPLICATION

This tool is designed to break, scale, drive, concrete or similar materials. For example the installation of tubes, cables, washroom facilities, of draining, and other civil engineering works.



**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. Keep these manuals for further reference.**

## 2 DESCRIPTION

- |                     |  |
|---------------------|--|
| 1. ON-OFF switch    | 5. Tool chuck                            |
| 2. Auxiliary Handle | 6. Inspection window/ Oil filler opening |
| 3. Main handle      | 7. Wrench                                |
| 4. Locking bolt     | 8. Lock knob of auxiliary handle         |

## 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 demolition hammer 1700W  
1 BMC  
2 Chisels (1 pointed/ 1 flat  
30mm)x410mm

1 Auxiliary handle  
1 Spanner  
2 hex key (5/6)  
1 Manual



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

## 4 SYMBOLS

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

	Denotes risk of personal injury or damage to the tool.		Read manual before use
	In accordance with essential safety standards of applicable European directives		Class II - The machine is double insulated; Earthing wire is therefore not necessary.
	Wear ear guards and goggles		Wear gloves

## 5 RECOMMENDATIONS

1. The tool should be connected to a power source connected to earth. If your installation needs an extension, make sure it is equipped with an earth plug.
2. Wear protection equipment (goggles, shoes, respiratory filters, gloves, etc.), avoid wearing jewellery, attach long hair and wear close-fitting clothing.
3. Unplug your tool from the mains when you are not using it, when changing tools or for maintenance.
4. Work in a clean and uncluttered workspace. Your work area should be correctly lit.
5. Store the tool in a dry place, far from sources of heat or of dangerous vapours (ideal: 10 to 15°C). Do not operate your tool near explosive or inflammable materials.
6. Work with tools in good condition and adapted to the task to undertake. This do-it-yourself equipment should be used as such and should not be overloaded. The tool should always be used with its additional handle (B) and firmly held with both hands.
7. Before each use, check the oil level, the tightening of screws, the correct mounting of the drive spindle
8. Make sure of not driving into live parts or gas or water pipes, etc. You would risk electrocution or an explosion. Detect any live or metallic parts before starting to work (for example, a live wire in a wall with a metals detector)
9. Do not try to open or dismantle the tool pour to intervene by yourself. Only a competent and specialised service can intervene in complete safety, by using origin parts and the manufacturer's drawings.

## 6 GENERAL POWER TOOL SAFETY WARNINGS

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

### 6.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

### 6.2 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 adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.

- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

### **6.3 Personal safety**

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.
- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

### **6.4 Power tool use and care**

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, 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 which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

### **6.5 Service**

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

### **6.6 For safe operation:**

- We recommend that you take appropriate measures for the protection of hearing if the sound pressure of 85 dB (A) is exceeded.

- Keep the work area clean. Cluttered areas and benches invite injuries.
- Consider work area environment. Do not expose power tools to rain and do not use power tools in damp or wet locations. Keep the work area well lit. Do not use power tools where there is a risk to cause fire or explosion.
- Guard against electric shock. Avoid body contact where possible with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- Keep children away. Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area.
- Store Idle tools. When not in use, tools should be stored in a dry, high or locked place, out of reach of children.
- Do not force the tool. It will do the job better and more safely at the rate for which it was intended.
- Use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended, for example, do not use circular saw to cut tree limbs or logs.
- Dress properly. Do not wear loose clothing or jewellery as they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use safety glasses. Use a face or dust mask as well if the operation is dusty or if using in enclosed spaces.
- Do not abuse the cord. Never carry the tool by its cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- Secure your work. Use clamps or a vice to hold your work. It is safer than using your hand and it frees both hands to operate tool.
- Do not overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged have repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
- Disconnect tools. Disconnect when not in use, before servicing and when changing accessories such as blades, bits and cutters.
- Remove adjusting keys and wrenches. From the habit of checking to see that keys and adjusting wrenches are removed from the tool and replaced in the storage area before switching on.
- Avoid unintentional starting. Do not carry a plugged-in tool with a finger on the switch. Ensure the switch is off when plugging in.
- Use outdoor extension cords. When a tool is used outdoors, use only extension cords intended for outdoor use and so marked.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tools when you are tired.
- Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used, especially in confined areas.
- Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine whether it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service centre. Do not use the tool if the switch does not turn it on and off.

- Warning ! The use of any accessory or attachment, other than recommended in this instruction manual, may present a risk of personal injury.
- Have your tool repaired by a qualified person. This electrical tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

## 7 APPLICATION

### 7.1 Switching On/Off (Fig. 2)

Plug the cord set into power socket.

- Switching on: Press the ON/OFF switch trigger (1).
- Switching off: Release ON/OFF switch trigger (1).

### 7.2 How to use the demolition hammer

1. After placing the tip of the tool on concrete surface, switch ON.
2. By utilizing the weight of the machine and by firmly holding the demolition hammer with both hands, one can effectively control the subsequent recoil motion.
3. Proceed at a moderate work-rate, the use of too much force will impair efficiency.



**CAUTION** After long time of use, the cylinder case becomes hot. Therefore, be careful not to burn your hands.



**WARNING** Don't apply big pressure to the machine. The hammer mechanism is activated by applying a slight pressure on the tool when the chisel bit is in contact with the work-piece.



In some cases, it is necessary to punch up the bit against the crushing position forcibly in order to begin the striking strokes. This is not due to malfunction of the tool, it means that the safe guard mechanism against no-load striking is working.

## 8 CHANGING TOOLS

Unplug the tool from the power supply, only use drill spindles compatible with the tool.

### 8.1 Mounting chisel



**CAUTION:** Be sure to switch power OFF and disconnect the plug to avoid serious trouble.

#### 8.1.1 Inserting the tool (Fig 3)

- Clean the tool before fitting it and apply a thin coating of grease to the tool shaft.
- Pull out the locking bolt (4) as far as possible, turn it through 180° and release it.
- Insert the tool into the tool mounting (5) and push it in as far as possible.
- Pull out the locking bolt (4) again, turn it through 180° in the opposite direction and release it.
- Check the lock by pulling the tool.

8.1.2 Remove/replace the tool

Proceed in reverse order to mounting



**WARNING** Accessories can be hot after use. Don't touch the tip of accessory by hand! Please always use protective gloves to remove the accessory.

**8.2 Additional handle (fig; 4)**

**For safety reasons you must only use the demolition hammer with the additional handle.**

- The additional handle (2) enables you to achieve better stability while using the demolition hammer.
- The additional handle can be turned into any required position. To do so, undo the lock knob (8) of auxiliary handle. Then turn the handle into the most comfortable working position and tighten the lock knob (8) again.



**Important. To avoid danger, the machine must only be held using the two handles (2-3). Otherwise you may suffer an electric shock if you chisel into cables.**

**9 LUBRICATION - OIL LEVEL**

Check the oil level before using the machine.

- Place the machine on the floor with the tool chuck (5), pointing downwards.
  - The oil must be at least 3 mm above the bottom of the inspection window (6).
- The oil should be changed after around 40-50 hours of use.

Recommended oil: 25ml SAE 15W/40 or an alternative of the same quality.

**9.1 Oil change (Fig. 5)**

- Switch off the machine and disconnect the plug from the socket.
- Undo the hexagonal head screw with the inspection window (6) using the wrench (7) and drain the oil.
- To prevent the oil from running out in an uncontrolled manner, hold a small metal chute under the opening and collect the oil in a vessel until it has fully drained out of the machine.



**Important: The waste oil must be disposed of in the appropriate collection point for waste oil.**

- Add new oil (approx. 25 ml) through the oil filler opening until the oil level reaches the required level. Tighten the hexagonal screw again.
- Re-check the oil level after a short period of operation.

## 10 MAINTENANCE

Check every day the tightening of screws and nuts. Except the procedures described in this manual, this tool needs no specific maintenance. The repair of the tool's inner components is of the competence of specialists. The cleaning of plastic parts is done with a soft damp cloth and a bit of mild soap. Never submerge the tool and do not use detergents, alcohol, spirit, etc...For an in-depth cleaning, please consult the after-sales department.



**WARNING: For maintenance and cleaning, always remove the plug from the electric power supply. Never use water or other liquids to clean electric parts.**

## 11 TECHNICAL DATA

Rated voltage – rated frequency	220-230V~ 50Hz
Rated Power	1700W
Protection class	class II
Cable length	5m
Chuck type	SDS Hex
Impact Rate	1900 beats/min

## 12 NOISE

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

Acoustic pressure level LpA	84 dB(A)
Acoustic power level LwA	105 dB(A)



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

aw (Vibration):	17.8 m/s <sup>2</sup>	K = 1.5 m/s <sup>2</sup>
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## 13 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).

## 14 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.

**15 WARRANTY**

- This product is warranted as provided by law 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.

**16 ENVIRONMENT**

Should your machine need replacement after extended use, do not put it in the domestic waste but dispose of it in an environmentally safe way.

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.

**17 DECLARATION OF CONFORMITY**



**VARO N.V. - Vic. Van Rompuy N.V.-** Joseph Van Instraat 9 - BE2500 Lier - BELGIUM,  
declares that,

product: Demolition hammer 1700W  
trade mark: POWERplus  
model: POWX11861

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  
2000/14/EC

Annex VI

LwA

Measured

104dB(A)

Guaranteed

105dB(A)

Notified Body

ISETr

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

EN60745-1: 2009  
EN60745-2-6: 2010  
EN55014-1: 2017  
EN55014-2: 2015  
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,

Philippe Vankerkhove  
Regulatory Affairs – Compliance Manager  
01/02/2021, Lier - Belgium