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**ANGLE GRINDER 500W 115MM
POWC30100****1 INTENDED USE**

This machine is developed for grinding and roughing of metal and stone. With help of the correct accessories the machine can also be used for brushing and sanding. Not suitable for professional use.



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

2 DESCRIPTION (FIG.1)

1. ON/OFF-switch
2. Guard
3. Side handle
4. Grinding disc (NOT INCLUDED)
5. Spindle lock

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 Angle grinder
- 1 Side handle
- 1 Spanner
- 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.		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.
	Mandatory use of eye protection.		Wear gloves.

5 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.

5.1 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.

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 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.

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 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.

5.4 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.

5.5 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 SPECIFIC SAFETY INSTRUCTIONS FOR ANGLE GRINDERS

- Check that the maximum speed indicated on the grinding disc corresponds to the maximum speed of the machine. The speed of the machine must not exceed the value on the grinding disc.
- Make sure that the dimensions of the grinding disc correspond to the specifications of the machine.

- Make sure that the grinding disc has been mounted and fastened properly. Do not use reducing rings or adapters to make the grinding disc fit properly.
- Treat and store grinding discs in conformance with the supplier's instructions.
- Do not use the machine for grinding workpieces with a maximum thickness exceeding the maximum grinding depth of the grinding disc.
- Do not use grinding discs for deburring.
- When grinding discs have to be mounted on the thread of the spindle, make sure that the spindle has sufficient thread. Make sure that the spindle is sufficiently protected and does not touch the grinding surface.
- Before use, inspect the grinding disc for any damage. Do not use grinding discs which are cracked, ripped or otherwise damaged.
- Before use, let the machine run idle for 30 seconds.
- Immediately switch off the machine in case of abnormal vibrations or occurrence of another defect. Carefully inspect the machine and grinding disc before switching the machine on again.
- Make sure that sparks do not put people into danger or that they contact highly flammable substances.
- Make sure that the workpiece is sufficiently supported or clamped. Keep your hands away from the surface to be cut.
- Always wear safety goggles and hearing protection. If desired or required also use another kind of protection like for example an apron or helmet.
- Ensure that mounted wheels and points are fitted in accordance with the manufacturer's instructions.
- Ensure that blotters are used when they are provided with the bonded abrasive product and when they are required.
- If a guard is supplied with the tool never use the tool without such a guard.
- For tools intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.
- Ensure that ventilation openings are kept clear when working in dusty conditions. If it should become necessary to clear dust, first disconnect the tool from the mains supply (use non metallic objects) and avoid damaging internal parts.
- Because of poor conditions of the electrical mains, shortly voltage drops can appear when starting the equipment. This can influence other equipment (eq. blinking of a lamp). If the mains-impedance $Z_{max} < 0.348 \text{ Ohm}$, such disturbances are not expected. (In case of need, you may contact your local supply authority for further information.

7 ASSEMBLY



Prior to mounting an accessory always unplug the tool.

7.1 *Mounting the side-handle*

The side handle can be used for both left-hand and right hand control.

- Fasten the side handle for left-hand operation on the right-hand side of the machine.
- Fasten the side handle for right-hand operation on the left-hand side of the machine.

7.2 *Mounting the guard (Fig.2)*

Mount the guard before using the machine.

- Place the guard (2) on the housing. Be aware that the notch of the guard falls across the edge of the housing.
- Fix the guard by screwing the bolt (6)
- Screw on the flange nut (7)

- The closed side of the guard always has to point in the user's direction.



Be aware the screw is tightened well enough. Check regularly if the screw is still fixed.

7.3 Mounting a grinding disc (Fig.3)

Use grinding discs of the correct dimension. Use fibre reinforced grinding discs only. The grinding disc must not touch the edge of the guard.



Remove the plug from the mains

- Press the spindle lock and turn the spindle until it engages in the lock. Keep the spindle lock pressed during this procedure.
- Remove the flange nut (9) from the spindle using the spanner (8).
- Position the grinding disc on the flange (10).
- Place the flange nut on the spindle and tighten it using the spanner.
- Release the spindle lock and check that the spindle is unlocked by rotating it.

7.4 Mounting grinding discs and roughing discs

Fig. 4 and 5 show how to mount the flange nut (9) when using thick (4 – 8 mm) and thin (2,5 – 4 mm) discs.

8 OPERATION

8.1 Special attention when starting the machine

- Clamp the workpiece and make sure that the workpiece cannot slide from under the machine during the cutting activities.
- When working with the machine, always hold it firmly with both hands and provide for a secure stance.
- Always direct the cable to the rear away from the machine.
- Insert the mains plug only when the machine is switched off.
- Apply the machine to the workpiece only when switched on



Never use the machine for grinding magnesium workpieces.

8.2 Switching On

- Press the end of the ON/OFF switch down then slide it forwards until it locks.
- The machine will start.

8.3 Switching Off

- Unlock the ON/OFF switch, the machine will be switched OFF. The disc will gradually slow down and eventually stop after a few seconds.



Do not put the machine down when the disc is still turning.



In case of interruption of the mains supply the on/off switch of the tool needs to be released and reactivated.

9 USE

- Hold the machine firmly and move it against the workpiece. Move the grinding disc evenly across the workpiece.
- Move the machine during roughing under an angle of 30° - 40° across the workpiece (fig. 6).



Never use grinding discs for roughing!

- Inspect the grinding disc regularly. Worn discs have a negative effect on efficiency of the machine. Replace the grinding disc on time.
- Do not put the machine down when the motor is still running. Do not place the machine on a dusty surface. Dust particles may enter the mechanism.
- Always switch off the machine first before removing the plug from the wall socket.



Never use the spindle lock to stop the motor.

10 CLEANING & MAINTENANCE

10.1 Service

- Only qualified specialist personnel and original replacement parts should be used for repairs. This will ensure that your device remains safe.
- 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).

10.2 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.

10.3 Lubrication

The machine requires no additional lubrication.

11 TECHNICAL SPECIFICATION

type	POWC30100
Voltage	230-240V
Frequency	50 Hz
Power input	500 W
No-load speed	11000/min ⁻¹
Disc diameter	115 mm
Spindle dimension	M14

12 NOISE

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

Acoustic pressure level LpA	90dB(A)
Acoustic power level LwA	101dB(A)



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

aw (Vibration)	7.9 m/s ²	K = 1.5 m/s ²
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13 WARRANTY

- This product is warranted as provided by law for a 24 -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.

14 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

15 DECLARATION OF CONFORMITY

VARO – VIC. VAN ROMPUY N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM,
declares that,

Product: ANGLE GRINDER 500W 115mm
Trade mark: POWERplus
Model: POWC30100

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):

EN60745-1 : 2009
EN60745-2-3 : 2011
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,

Philippe Vankerkhove
Regulatory Affairs – Compliance Manager
22/02/2021, Lier - Belgium