

USER MANUAL 1500W WATER PUMP

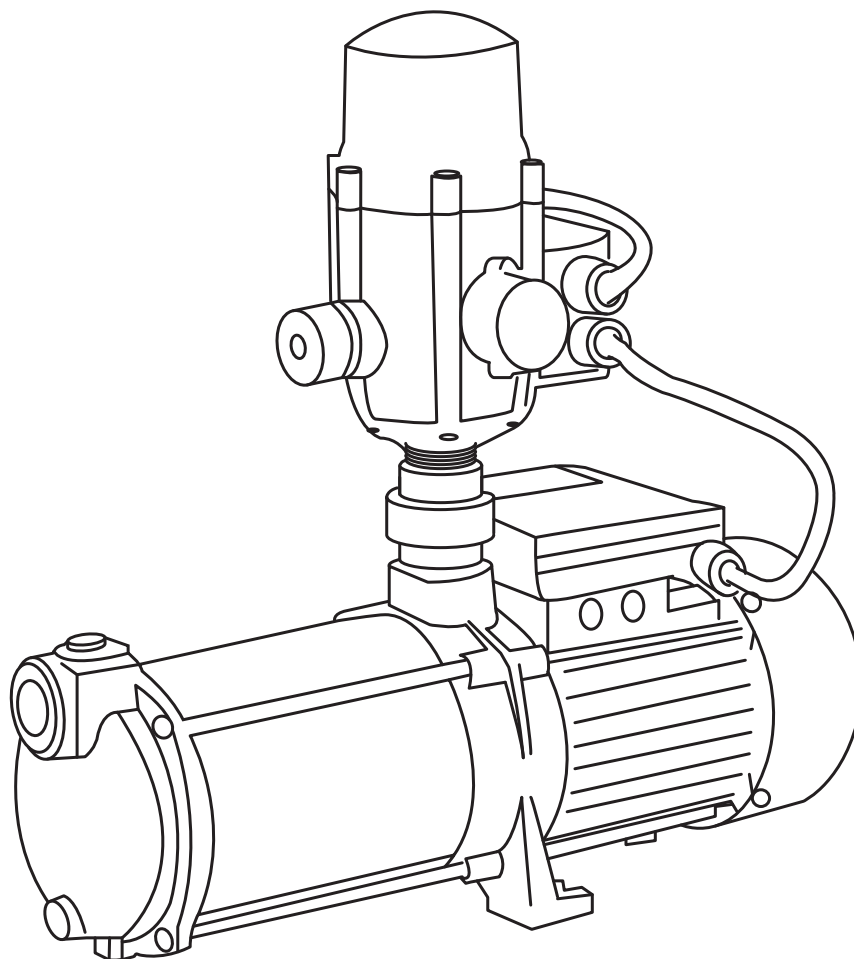


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PREFACE

Thanks for buying the 1500W water pump, another high-quality machine from our company.

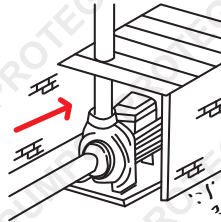
To get the most out of your purchase, please read the manual before using the water pump.

We ask you to please read this manual carefully beforehand in order to familiarise yourself with this product and after reading, please store this instructional manual for future reference. Failure to follow the proper protocols listed in the manual may cause personal injury to the operator or damage to equipment.

OPERATION CONDITIONS

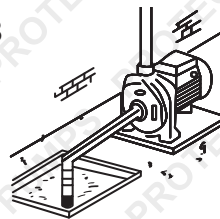
- **This pack includes the pump unit only.** Hoses, connections, valves and assorted accessories must be purchased separately from a plumbing or agricultural supplier. This pack includes the pump unit only. Hoses, connections, valves and assorted accessories must be purchased separately from a plumbing or agricultural supplier.
- These pumps must be installed in a dry well-ventilated place with an ambient temperature of no more than 40 degrees celsius (Fig.A).

A



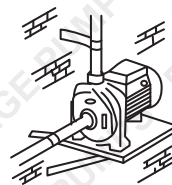
- Fix the pump in place on a solid flat surface using suitable bolts to avoid vibration. The pump must be installed in a horizontal position to ensure that the bearings operate correctly.
- The diameter of the intake pipe must not be smaller than that of the intake mouth. If the intake height exceeds 4 metres. Use a pipe with a larger diameter. The diameter of the delivery pipe must be chosen to suit the flow rate and pressure required at the takeoff points. The intake pipe must be slightly angled up towards the intake mouth to avoid the formation of air locks (Fig.B).

B



- Make sure that the intake pipe is completely airtight and immersed in the water by at least half a meter to avoid the formation of vortices.
- Always fit a foot valve at the end of the intake pipe. It is advisable to fit a non-return valve between the delivery mouth and flow rate adjustment gate valve to avoid dangerous water hammering in the event of the pump suddenly stopping. This measure is compulsory if the delivery water column is over 20 metres.
- The pipe must always be fitted using suitable brackets (Fig.C) to avoid transmitting stress to the pump body.

C

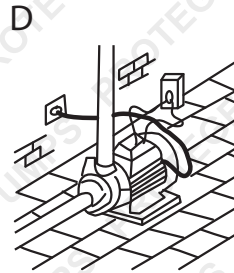


- Take care not to damage any part by overtightening the pipes when fitting them.

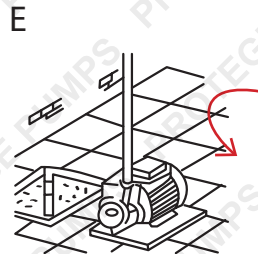
ELECTRICAL CONNECTIONS

The installer is responsible for making the electrical connections to the mains supply in compliance with the relevant national wiring regulations in force:

- Note that pump shall be supplied through a residual current device (RCD) [not supplied] having a rated residual operating current not exceeding 30mA.
- Make sure that the specifications on the pump rating plate and the rated line values are the same (Fig.D)
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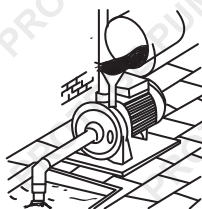
- Connect the pump to an effective earth circuit and then connect up the phases following the diagram on the terminal block cover or rating plate;
- Our single –phase motors are protected against overloads using a thermal device (overload cutout) fitted in the winding. Users are responsible for fitting a suitable protection device for three-phase motor.
- Check that three-phase pumps rotate clockwise when looking at the pump from the motor fan side. Swap over two of the phase connections if they do not (Fig.E).



PRIMING

Fill the pump completely with clean water before switching it on. The water should be poured in through the priming plug (Fig.F). When you have completed the operation, screw the plug back in again and start the pump. The pump should be primed again whenever it has not been used for a long period of time or when air has made its way into the system.

F



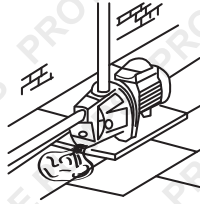
Never run the pump empty. If this happens by mistake. Switch the pump off, wait for it to cool down and then prime it using clean water.

MAINTENANCE

Our pumps do not require any maintenance provided one takes the following precautions: when there is a risk of freezing.

Empty the pump through the drain plug on the bottom of the pump body, making sure you prime it when subsequently starting it again; check that the foot valve is clean at regular intervals; if the pump is to remain unused for a long period of time (e.g. in the Winter)(Fig.G). it is advisable to empty it completely, rinse it with clean water and store it in a dry place

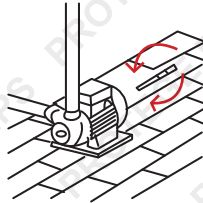
G



If the shaft does not turn freely

1. Disconnect from the electricity supply to avoid electrocution.
2. Release the shaft by inserting a screw driver into the special slot (Fig.H) and freeing the pump mechanism.

H



If this is not sufficient to solve the problem, remove the pump body, undoing the relevant mounting bolts, and clean it thoroughly to remove any encrustation.

If the supply cord is damaged, it must be replaced by the manufacturer or a similarly qualified person in order to avoid a hazard.



Never carry out any work on the pump without having first disconnected it from the mains supply.

DISPOSAL

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater, damaging your health and well-being.

TROUBLESHOOTING

Problem	Cause	Solution
Motor won't start	No power	Check connection and voltage values
	Impeller stuck	Clean the impeller
Motor turns without pumping water	Clogged filter	Clean filter
	Excessive intake height	Move pump closer to water outlet level
	Air intake	Check intake pipe is airtight
		Make sure foot valve is immersed by at least 500cm
		Pump needs to be primed again
Flow rate insufficient	Intake height at limit	Check intake height
	Filter partially clogged	Clean foot valve and if necessary, the whole intake pipe. Disassemble pump and carefully clean pump body and impeller
Tripped motor overload cutout	Overheated motor	Check voltage and ventilation
	Impeller stuck	Clean the impeller

SPECIFICATIONS

Type	Dimension/Capacityn Metric
Maximum Pump Rate	5400 Litres/ Hour
	90 Litres/ Min
Head Size	64m Head
Inlet/Outlet Size	25mm
Rated Input Power	1500W /2.0HP
Voltage	240v 50hz
Protection Class	IP44/IP54
Rating	Continuous Run
Plug	10amp
Weight	14.5kg
Dimensions	43 x 15 x 45cm



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.