



GARDEN SUBMERSIBLE PUMP

Instruction Manual

XKS



Congratulations on your purchase of a LEO Garden Submersible Pump



It is important that you read, fully understand and observe the following safety precautions and warnings. Careless or improper use of the machine may cause serious or fatal injury. The user is responsible for any accidents involving other people or other people's property.



This appliance can be used by children aged from 16 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Attention!

If the appliance or the supply cord is damaged, it must be repaired by manufacturer, its service agent or qualified person-

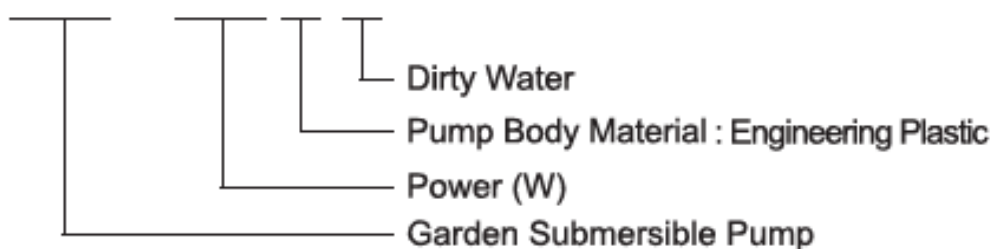


Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

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

Model Description and Specifications

XKS – 400 P W



Type	XKS-400PW	XKS-750PW
Power	400 W / 0,5 HP	750 W / 1,0 HP
Outlet diameter	1.25"	1,5"
Q. max	9 m ³ /h	12 m ³ /h
H. max	4,3 m	7,6 m
Max. immersion depth	7 m	7 m
Gross weight	4,8 kg	6,2 kg
Package	200x150x300mm	200x150x300mm

Where to use your Pump

Correct use:

- The pump is intended for private use around the house and garden. It is primarily intended for drainage purposes if flooding occurs but also for transferring water to and from tanks and pumping them out, for drawing water from wells and shafts, for draining boats and yachts and for aerating and circulating water for limited periods.

Liquid conveyed:

- The pump is suitable for conveying:
- Submersible pump for clean water: clean to slightly dirty water with a max. particle size of 5 mm.
- Submersible pump for dirty water: dirty water with a max. particle size of 35 mm.
- The pump can be fully submerged (watertight encapsulation) and can be lowered down to a depth of 7m into the water.
- The pump must not be installed in swimming pools; it must be installed and used in accordance with National installation rules.
- The pump is not intended for long term use (e. g. use for continuous circulation) in a pond. The length of life of the pump will be shortened accordingly if used in this way.
- Corrosive (chemicals, cleaning fluids etc...), flammable or explosive substances (e.g. petrol, paraffin, cellulose thinners); grease, oil, salt water and sewage must not be conveyed by the pump.
- The PH of water must be between 6.5 and 8.5. Pollution of the liquid could occur due to leakage of lubricants.
- The temperature of the liquid conveyed may not exceed 35 °C.
- Do not expose the plug to damp. Protect plug and power cable away from heat, oil and sharp edges.
- Do not expose the pump to frost.
- Do not run the pump without water.

Safety Instructions

Before starting up the pump make sure that:

- The pump must not be used when people are in the water.
- Make sure that the electrical plug and socket connections are fitted in an area which cannot flood. And protect power plug from moisture.
- Check out if there is any damage to the pump, especially to the cable and plug. A damaged pump mustn't be used any way.
- The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.

The mains supply voltage matches the voltage indicated on the pump identification plate.

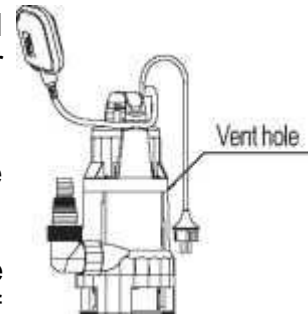
Attention to your operating:

- Never carry the pump by its cable and do not pull the cable to disconnect it. For submerging, lifting or securing the pump, fix a rope to the pump^ carrying handle is the correct choice.
- Do not pull out the power cable from the socket as a method of turning the pump off. Check out if the outlet and the inlet of the pump clog. Clear the outlet and the inlet when need.

Automatic protection for safety:

- Thermal motor protector: The pump is automatically switched off on overheating by the built-in thermal motor protector. After having cooled down, the motor automatically switches on again.
- Automatic Air bleed valve: The automatic air bleed valve eliminates any air pockets in the pump.

During this process, air escapes through the plastic plug on the pump and air bubbles appear underwater. This is not a defect of your pump, but serves to deaerate the pump, but serves to remove air from the pump. It may take several seconds for the air to escape when the pump is immersed for the first time.



Note: The position of vent hole may be different in some models.

Main power cables must not have a smaller cross-section than the rubber-sheathed cables of the designation H05RN-F while the pump without power cable lighter than 5 kg and the designation H07RN-F while the pump without power cable heavier than 5 kg. The cable length must be at least 10m.

Operation**Automatic operation of the float switch:**

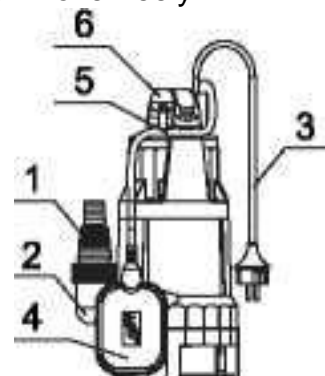
The float switch 4 turns the pump on automatically when the water level exceeds the cut-in height and the water is pumped out. The float switch 4 turns the pump off again as soon as the water level falls below the cut-out height.

- (1) Stand the pump on a firm surface or use a rope attached through the bore hole in the carrying handle 6 to immerse the pump in a well or shaft.
- (2) During automatic operation, ensure that the float switch 4 can move freely. Plug the power cable 3 into a mains socket.

Adjusting the Cut-in and Cut-out Height: Push the cable of the float switch 4 into the float switch lock 5.

Do not select a cable length that is too long or short to ensure that the float switch 4 can turn on and off properly.

The cable length between the float switch 4 and the float switch lock 5 must always be at least 10 cm.



- The shorter the length of cable between the float switch 4 and the float switch lock 5, the lower the cut-in height and the higher the cut-out height.

Manual operation of the float switch:

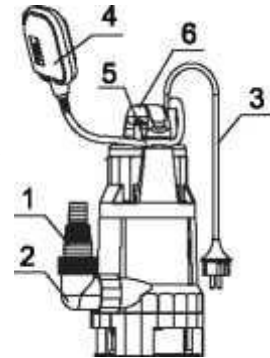
The pump can remain constantly in operation because it is switched on manually by raising the float switch 4 as showed on the left.

- (1) Stand the pump on a firm surface or use a rope attached through the bore hole in the carrying handle 6 to immerse the pump in a well or shaft.
- (2) Plug the power cable 3 into a mains socket.

left drawing, with the side of cable at the bottom. As long as the float switch is positioned vertically with the cable at the bottom, the pump will operate regardless of the water level.

Storage:

Clean and store the pump in a frost-free place before the first frost arrives.



Troubleshooting

Symptoms	Cause	Corrective Action
The pump won't start.	Power not switched on. The float switch is not connected to the circuit.	Check the mains voltage. Lift the float.
The pump won't discharge	Air locks in the suction base. -Feed impeller clogged. The discharge pipe is stuck.	Wait for Max. 1 minute until air escapes through the vent bores automatically. Switch off and on in turn if necessary. Disconnect plug and clean feed impeller. Release the pipe.
The pump won't stop.	The float switch is blocked in the upper part.	Release the float and reposition the pump.
The flow rate is inadequate.	The intake filter is clogged. Pumping flow rate falls because the pump is clogged with water impurities	Clean the filter. Clean the pump and its environment.
The pump stops after working for a short time.	Dirty particles are jammed in the suction base. The heat protector stops the pump due to overheating. The heat protector stops the pump due to clogging.	Pull out the plug and clean the pump and sump. Make sure the water temperature does not exceed 35°C! Clean the pump

Guarantee terms

Please carefully retain the guarantee card completed by the seller, or the proof of purchase.

Pre-conditions for the 24-month guarantee entitlement:

- Deployment of the device solely for private use.

The guarantee is reduced to 12 months in the commercial sector or leasing business.

- Proper handling and observance of all information given in the operating manual, which forms part of our guarantee terms.

- Observance of the prescribed maintenance intervals

- No unauthorized alteration of the design.

- Presentation of the completed guarantee card and/or proof of purchase.

Any guarantee claim shall be immediately void in the event of unauthorized repairs. Faults and defects, which can be traced to material or manufacturing faults will be rectified exclusively by our contracted workshops (the seller has the right to remedy a defect) in your vicinity or by the manufacturer if the latter is closer. Any claims going beyond the provision of a guarantee are ruled out. Any transport damage should be reported not to us but to the shipper in question since, otherwise, any compensation claims the shipper would be voided.

Information concerning the packaging materials

The used packaging materials must be thrown into the relevant waste collector.

In case of the need of any parts, questions or service instructions please contact:

- szerviz@gamagarden.eu
- +36 30 508-6563

Acquaer Ltd., 4900 Fehérgyarmat, Szatmári u. 11 certifies CE conformity of the above-mentioned product and that it complies with the technical data specified in the data plate and the "Operating instructions".

You can get detailed information about the CE declarations at: www.gamagarden.eu

