



Submersible Pumps

BOSS™ 650 & 950 INFORMATION | MANUAL | SERVICE

BOSS™ 650



BOSS™ 950



These instructions are for your safety. Read carefully before use, and keep them.



Summary

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1. SAFETY INSTRUCTIONS FOR YOUR SAFETY AND THE GOOD USE OF THE PUMP

IMPORTANT : for your safety, read the instructions.

a) SAFETY

This equipment is NOT suitable for drinking water.

Unplug the equipment from the mains before any intervention.

When the pump is running, there must be no particles in the water (clean water only).

Do not use the pump if safety devices are damaged or depleted. Never deactivate safety devices.

The pump must be used with 230V AC Power supply, as indicated on the rating plate.

Do not use the power cable for carrying the pump or for unplugging.

Make sure that electric connections are protected from humidity.

Avoid dry-running of the pump. Never use the pump if the suction hose is obstructed.

It is strictly prohibited to pump corrosive, easily combustible, aggressive or explosive liquids (such as gasoline, petroleum or nitro thinner), saltwater and food

The temperature of the liquid must not exceed 35°C.

b) PUMP ENVIRONMENT

⚠ Do not operate pumps in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

⚠ Keep children and unqualified persons away from the pump when it is in use

c) ELECTRIC SAFETY

⚠ The pump cable plug must match the socket. Never modify the plug in any way. Do not use any adapter plugs. Unmodified plugs and matching sockets will reduce risk of electric shock.

⚠ Avoid body contact with earthed or grounded surfaces.

⚠ Do not abuse the electrical cord. Never use the cord for carrying, pulling or unplugging the pump. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

⚠ When operating a pump outdoors, use an extension cord suitable for outdoor use.

⚠ The pump is equipped with a socket compatible with it. The power source of your country must be in keeping with international regulations.

d) PERSONAL SAFETY

⚠ Risk of injury due to hot water. If the pump runs for an extended period when the outlet is closed, the water in the pump can become heated so that hot water can emerge from the outlet and cause injuries.

⚠ Stay alert, watch what you are doing and use common sense when operating a pump.

⚠ Maintain your pump. If the pump is damaged, ensure repair by a specialist before further use.

⚠ Follow these instructions to use the pump, its accessories, connectors, etc... properly. The pump must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse.

SYMBOL



■ The pump must be disposed of in accordance with local environmental regulations.



Read the instructions before use

To be checked before you start

BOSS™ 650 and BOSS™ 950 Sump Pumps have been designed to suck clear water only.

Pumps have been designed to suck clear water or dirty water with particles (max particle sizes apply)

The pump must be installed on a flat and solid surface wherever possible.

2. GETTING STARTED

1. Connect a discharge pipe with a diameter at least equal to the diameter of the pump outlet
2. Immerse the pump in the liquid to be sucked, by making an angle of 45 degrees (to reduce the amount of air trapped in the pump body). If the pump rests on the bottom, make sure it is on a flat and stable surface.
3. Make sure that all persons are clear of the liquid to be pumped
4. Plug the pump to the mains

3. WORKING PRINCIPLES & TECHNICAL SPECIFICATIONS

Model	BOSS™ 650	BOSS™ 950
	Float Switch	Float Switch
ON level	550mm	530mm
OFF level	200mm	190mm
Power	650W	950W
	230V 50HZ	230V 50HZ
Flow	12500 l/h	13000 l/h
Head	7.5m	9m
Max. Particle	15mm	3mm
Max.Submersible depth	7m	7m
Outlet	G1 - ¼"	G1 - ½"
Cable length	9.8m	10m
Working Model	Version with float switch The pump has a loose float which start and stop the pump automatically, depending on the water level	Version with float switch The pump has a loose float which start and stop the pump automatically, depending on the water level

4. ACCESSORIES

- Hose adapter :1 pc

5. USE AND DESTINATION OF THE PUMP

Your pump is designed to remove or transfer clean water

Your pump must not be used in following situations:

- Water temperature to be sucked greater than 35°C
- Continuous run
- Drinking water supply or washing machines for dishes supply
- Corrosive, easily combustible, aggressive or explosive liquids (such as gasoline, petroleum or thinners), saltwater, oils and greases must not be pumped
- Permanent submersion under 3 metres or more water

6. CARE & MAINTENANCE

Electric danger
Unplug the pump before any intervention

- In case of permanent installation, it is necessary to check every 3 months that the start mechanism is working properly (float switch)
- Regularly remove dirt that may accumulate in the sump.
- Do not expose to frost.
- Avoid dry running.
- Do not abuse the electrical cord. Never use the cord for carrying, pulling or unplugging the pump.
- Clean the pump regularly if aspirated liquid causes sediments.
- Avoid shocks, do not let the pump fall.

7. TROUBLESHOOTING

Trouble	Check	Should do
The pump motor does not start and does not make noise.	Is the pump plugged in? Is the pump float switch in the start position when fully submerged?	Check your electrical installation. Check that the float can move freely.
Pump does not discharge.	Does the impeller rotate? Is it in good condition? Is the pump inlet free? Does the delivery head exceed the capability of the pump discharges?	Eliminate the reason for blocking Replace the impeller Clean the pump inlet. Use the pump in accordance with its technical capabilities. Increase the pipe diameter.
The pump stops suddenly	Is there a sufficient water level to suck? Did the pump run for a long time without stopping? Check inlet is not obstructed? Do the power of the mains match the rating plate? Is the temperature of the liquid less than 35°C?	Disconnect the pump from the mains and let it cool. Clean the pump inlet Use a power supply matching the rating plate. Observe the maximum allowable temperature
Flow decreases	Is the pump inlet clean? Is the impeller clean? The discharge pipe is not partially clogged?	Clean the area or areas in question (s)
Low flow or insufficient	Are you sure that the pump inlet is not obstructed? Is the impeller clean? Are you sure that the outlet pipe is not obstructed? Is the diameter of the discharge pipe enough?	Clean the zone (s) concerned and verify check valve, if applicable Connect a pipe with a suitable diameter and suppress reduction of the water passage.

8. CERTIFICATE OF CONFORMITY

Declares that following pumps:

BOSS™ 650
BOSS™ 950

Comply with the following directives

LVD Directive: 2014/35/EU

EMC Directive: 2014/30/EU

Directive ROHS 2011/65/EU

Tests executed in accordance with following regulations:

EN55014-1: 2006+A1+A2

EN55014-2: 1997+A1+A2

EN60335-1: 2012+A11+A13

EN60335-2-41 : 2003+A1+A2

EN61000-3-2: 2006+A1+A2

EN61000-3-3: 2013

9. GUARANTEE

This pump is guaranteed for 1 year from the date of purchase.

Conditions of validity of the warranty: The unit must always be handled properly according to the instructions of this manual. The unit must not have been modified and only repaired by a suitable specialist.

Warranty no longer applies in the following cases:

- Non-compliance with the instructions (especially non-protection against freezing, pumping sand, dry running, incorrect electrical connection ...)
- Attempting to repair the pump
- Changes in the technical elements of the pump
- Use of replacement parts
- Damage / malicious (fall or dents on the unit).
- Inappropriate use, and in particular passage of hard and heavy particles (stones), passage of an excessive amount of sand, salt water, water with high lime content ...
- Lack of maintenance or cleaning

Parts not covered by the warranty (if these parts are supplied with the pump)

Rope suspension, fitting.

A repair or exchange with a new product during the warranty period does not extend the original warranty period.