

Kripsol 8410189055029

Kripsol Koral KSE Pool Pump User Manual

Model: 8410189055029

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Kripsol Koral KSE Pool Pump. Please read this manual thoroughly before attempting to install or operate the pump. Keep this manual for future reference.

The Kripsol Koral KSE series self-priming pumps are designed for swimming pool applications, featuring a robust thermoplastic injected body and a Noryl impeller. These pumps are suitable for use with seawater.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power before servicing the pump.

- Ensure the pump is installed by a qualified professional in accordance with local electrical and plumbing codes.
- Do not operate the pump if it is damaged or if any electrical components are exposed.
- Keep children and unauthorized persons away from the pump during operation.
- The pump motor is rated IP 55 for protection against dust and water jets.
- Always ensure proper ventilation around the pump to prevent overheating.

3. PRODUCT OVERVIEW

The Kripsol Koral KSE pool pump is a high-performance, self-priming pump designed for durability and efficiency.



Figure 3.1: Kripsol Koral KSE Pool Pump. This image shows the complete pump unit, featuring the light grey thermoplastic body, the transparent pre-filter lid with black locking knobs, the threaded inlet/outlet ports, and the black electric motor with cooling fins and electrical connection box.

Key Components:

- **Pump Body:** Injected thermoplastic for durability.
- **Impeller:** Noryl with fiberglass reinforcement (F.V.) and AISI 303 insert.
- **Pre-filter Basket:** Injected white plastic.
- **Transparent Lid:** Polycarbonate body cover with foldable pins and AISI 304 asparagus, sealed with an O-ring.
- **Motor:** IP 55 protection, Class F insulation, 50 Hz, 2850 rpm.

4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity.

4.1 Site Selection:

- Install the pump as close to the pool as possible to minimize friction loss.
- Ensure the installation site is dry, well-ventilated, and protected from direct sunlight and extreme weather.
- Provide adequate space around the pump for maintenance and ventilation.

4.2 Plumbing Connections:

- The pump includes adhesive connections: Ø50 mm for 0.33-1.00 HP models and Ø63 mm for 1.50-3.00 HP models.
- Use appropriate PVC pipes and fittings. Ensure all connections are watertight using thread sealant or PVC glue.
- Install isolation valves on both the suction and discharge sides of the pump for easy servicing.

4.3 Electrical Connections:

- This model operates on 400 Volts (AC). Ensure the power supply matches the pump's requirements.
- All electrical wiring must comply with local codes and regulations.
- Connect the pump to a dedicated circuit protected by a Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD).
- Ensure proper grounding of the pump motor.

5. OPERATING INSTRUCTIONS

5.1 Priming the Pump:

1. Ensure all valves are open to allow water flow to the pump.
2. Remove the transparent lid of the pre-filter.
3. Fill the pre-filter housing with water until it overflows.
4. Replace the lid, ensuring it is securely tightened to prevent air leaks.
5. Turn on the power to the pump. The pump should prime within a few minutes. If not, turn off the pump and repeat the priming process.

5.2 Normal Operation:

- Once primed, the pump will circulate water through the pool filtration system.
- Monitor the pressure gauge on your filter system to ensure proper operation.
- The pump is designed for continuous operation during filtration cycles.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump.

6.1 Pre-filter Basket Cleaning:

- Turn off the pump and disconnect power.
- Close isolation valves on suction and discharge lines.
- Unscrew the transparent lid and remove the pre-filter basket.
- Empty debris from the basket and rinse thoroughly with water.
- Inspect the O-ring for cracks or wear; replace if necessary.
- Reinsert the basket, replace the O-ring, and securely tighten the lid.

6.2 Winterization:

- In freezing climates, drain all water from the pump to prevent damage.
- Remove drain plugs (if applicable) and store them safely.
- Store the pump in a dry, protected area if possible.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker/GFCI; motor issue	Check power supply; reset breaker/GFCI; consult qualified technician
Pump not priming or low flow	Air leak in suction line; clogged pre-filter basket; low water level in pool	Check all connections for leaks; clean pre-filter basket; ensure adequate pool water level
Pump is noisy	Cavitation (air in system); worn bearings; debris in impeller	Ensure pump is primed; check for air leaks; inspect impeller for debris; consult technician for bearing replacement

Problem	Possible Cause	Solution
Water leaking from pump	Loose connections; worn O-rings/seals; cracked housing	Tighten connections; replace O-rings/seals; contact supplier for housing repair/replacement

8. SPECIFICATIONS

Brand	Kripsol
Model	Koral KSE
Model Number	8410189055029
Power	1.5 HP (Horsepower)
Flow Rate (Max)	11 m ³ /hour
Capacity (1.5 HP model)	21.9 m ³ /hour
Voltage	400 Volts (AC)
Motor Speed	2850 rpm
Motor Protection	IP 55
Insulation Class	F
Dimensions (L x W x H)	34 x 26.6 x 64.2 cm
Weight	10 Kilograms
Material	Thermoplastic (Body), Noryl (Impeller), Polycarbonate (Lid)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your authorized Kripsol dealer.

The product includes a manual, though language availability (e.g., French) is not guaranteed for all regions.

For spare parts availability, please note that information is currently unavailable. Contact your supplier for assistance.

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Documents - Kripsol – 8410189055029

no relevant documents