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> [Hyundai HY-EPFT600 Submersible Pump Instruction Manual](#)

HYUNDAI HY-EPFT600

Hyundai HY-EPFT600 Submersible Pump Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hyundai HY-EPFT600 submersible pump. Please read these instructions carefully before using the pump to ensure proper function and to prevent injury or damage.



Image 1.1: Hyundai HY-EPFT600 Submersible Pump, illustrating its robust design for dirty water applications.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of electric shock, injury, or fire.

- **Electrical Safety:** Ensure the power supply matches the pump's voltage (230V). Connect the pump only to a properly grounded outlet protected by a Residual Current Device (RCD). Never operate the pump with a damaged power cord or plug. Do not pull the pump by its power cable.
- **Water Safety:** This pump is designed for dirty water. Do not use it for flammable, corrosive, or explosive liquids. Ensure the pump is fully submerged during operation to prevent dry running and overheating.
- **Personal Safety:** Keep children and unauthorized persons away from the operating area. Wear appropriate personal protective equipment (PPE) if necessary. Disconnect the pump from the power supply before performing any maintenance or cleaning.
- **Installation:** Ensure the pump is placed on a stable, level surface, free from obstructions that could impede water intake or float switch movement.

3. PRODUCT OVERVIEW

The Hyundai HY-EPFT600 is a robust submersible pump designed for efficient drainage of dirty water. Key features include:

- Maximum Flow Rate: 15,000 liters per hour
- Capable of handling solid particles up to 30 mm in diameter
- Powerful 600 W motor
- Integrated thermal protector for motor safety
- Automatic operation with a float switch
- Durable cast iron construction





Image 3.1: Front view of the Hyundai HY-EPFT600 pump, highlighting the float switch and discharge connection.

4. SETUP

Follow these steps for proper installation of your submersible pump:

1. **Placement:** Position the pump on a solid, level surface in the water to be drained. Ensure there is sufficient space around the pump for water intake and float switch movement. The maximum submersion depth is 4 meters.
2. **Hose Connection:** Attach a suitable discharge hose to the pump's 1 1/4" discharge outlet. Secure the hose with a clamp to prevent leaks. Ensure the hose is free of kinks and obstructions.
3. **Float Switch Adjustment:** The float switch controls the automatic on/off function of the pump. Adjust the cable length of the float switch to set the desired water levels for starting and stopping the pump. Ensure the float can move freely without obstruction.
4. **Electrical Connection:** Connect the pump's power plug to a grounded 230V electrical outlet. Ensure the outlet is protected by an RCD.



Image 4.1: The Hyundai HY-EPFT600 pump showing the power cable and plug for electrical connection.

5. OPERATING

Once properly installed, operating the Hyundai HY-EPFT600 pump is straightforward:

1. **Automatic Operation:** With the pump plugged in and the float switch adjusted, the pump will automatically start when the water level rises and lifts the float switch. It will stop when the water level drops and the float switch returns to its lower position.

2. **Manual Operation (if applicable):** Some models may allow for manual override of the float switch. Refer to specific product documentation if this feature is desired. For this model, primary operation is automatic via the float switch.
3. **Monitoring:** Periodically check the pump's operation to ensure it is running smoothly and that the discharge hose is not blocked. Avoid running the pump dry, as this can cause damage.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump:

- **Cleaning:** Disconnect the pump from the power supply. Regularly clean the pump's intake screen to remove debris, leaves, or other particles that could block the impeller.
- **Inspection:** Periodically inspect the power cable and plug for any signs of damage. Check the discharge hose for wear, kinks, or blockages.
- **Winterization:** If the pump is used in an area subject to freezing temperatures, remove it from the water, clean it thoroughly, and store it in a dry, frost-free location.
- **Storage:** When not in use for extended periods, clean the pump and store it in a dry, protected environment.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not start	No power supply; Float switch not activated; Thermal protector tripped; Impeller jammed.	Check power connection and RCD; Ensure water level is high enough to lift float switch; Allow pump to cool down; Disconnect power and clear impeller.
Reduced flow rate	Intake screen blocked; Discharge hose kinked or blocked; Impeller worn or damaged.	Clean intake screen; Clear hose obstruction; Inspect impeller for damage (contact service if needed).
Pump runs continuously	Float switch stuck in 'on' position; Float switch incorrectly adjusted.	Check float switch for free movement; Adjust float switch cable length.
Excessive noise/vibration	Debris in pump; Pump not stable; Worn bearings.	Disconnect power and clear debris; Ensure pump is on a stable surface; Contact service for bearing issues.

8. SPECIFICATIONS

Detailed technical specifications for the Hyundai HY-EPFT600 submersible pump:

Specification	Value
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Specification	Value
Model Number	HY-EPFT600
Power	600 W
Voltage	230 V
Maximum Flow Rate	15,000 l/h
Maximum Head	8 M
Maximum Submersion Depth	4 M
Solid Particle Diameter	30 mm
Discharge Diameter	1 1/4"
Cable Length	8 m
Thermal Protector	Yes
Float Switch	Yes
Material	Cast Iron
Product Dimensions (L x W x H)	37 x 48 x 45 cm
Product Weight	5.5 kg

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or visit the official Hyundai website. Keep your proof of purchase for warranty claims.