



Auto On-Off Water Removal Portable Pump

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

Operating Instructions and Parts Manual

EEAUP250

SPECIFICATIONS

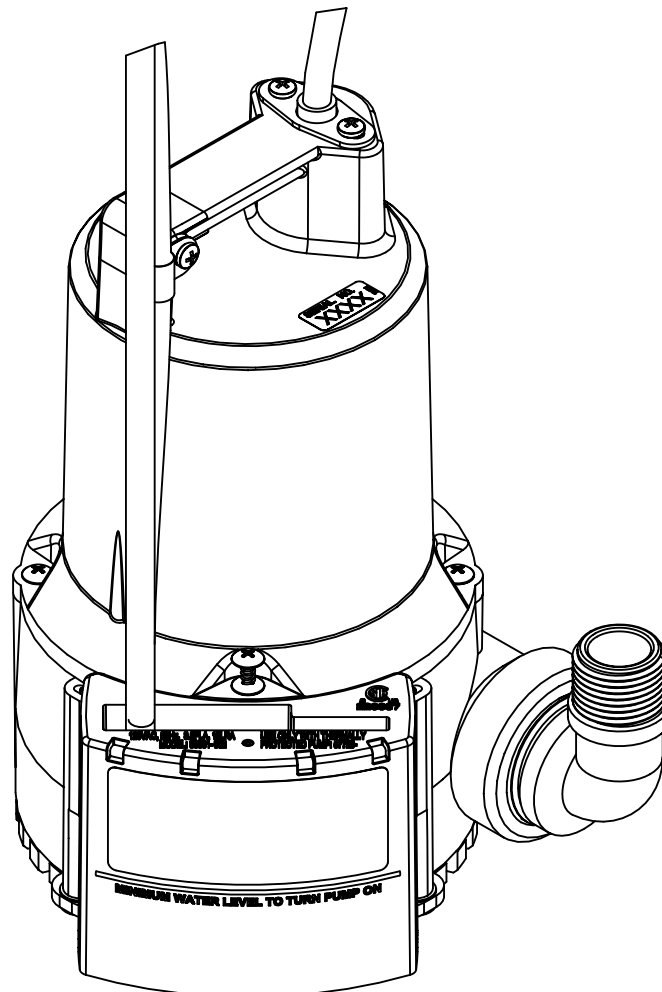
POWER SUPPLY REQUIREMENTS	120 V, 60 Hz, Permanent
MOTOR	Single Phase
HORSEPOWER	1/4 HP
CIRCUIT REQUIREMENT	15 A (minimum)
LIQUID TEMPERATURE RANGE	40° F- 120° F

CONSTRUCTION

MOTOR HOUSING	Thermoplastic
MOTOR SHAFT	Thermoplastic
IMPELLER	Thermoplastic
VOLUTE	Stainless Steel
PUMP DISCHARGE	1-1/4 in. NPT or 3/4 in. Hose Threads

PERFORMANCE

Model	HP	Discharge	0 ft.	5 ft.	10 ft.	15 ft.	20 ft.
EEAUP250	1/4	Gal/hr	3100	2350	1600	900	250



DESCRIPTION

This portable, submersible Multi-Use pump is designed for automatic use in water. The units are equipped with a 9 ft. 3-prong grounding type power cord. The provided discharge adapter can be used for convenient attachment to a garden hose.

UNPACKING

Inspect this unit before it is used. Occasionally, products are damaged during shipment. If the pump or components are damaged, contact Customer Support at 1-800-237-0987.

SAFETY SIGNAL WORDS

This manual contains information that is important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER *Danger indicates an imminently hazardous situation which, if NOT avoided, WILL result in death or serious injury.*

⚠ DANGER *La mention Danger indique une situation dangereuse imminente qui, si elle n'est pas évitée, ENTRAÎNE la mort ou des blessures graves.*

⚠ WARNING *Warning indicates a potentially hazardous situation which, if NOT avoided, COULD result in death or serious injury.*

⚠ AVERTISSEMENT *La mention avertissement indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, risque d'entraîner des lésions corporelles graves ou même la mort.*

⚠ CAUTION *Caution indicates a potentially hazardous situation which, if NOT avoided, MAY result in minor or moderate injury.*

⚠ MISE EN GARDE *La mention mise en garde indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures mineures ou modérées.*

NOTICE *Notice indicates important information, that if NOT followed, MAY cause damage to equipment.*

⚠ *This is the safety alert symbol. It is used to alert you to potential bodily injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.*

NOTE: Information that requires special attention.

GENERAL SAFETY INFORMATION**CALIFORNIA PROPOSITION 65****⚠ WARNING**

This product can expose you to chemicals, including DEHP, which is known to the State of California to cause cancer, birth defects and reproductive harm. For more information, go to www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT

Ce produit peut vous exposer à des produits chimiques, notamment du DOP, reconnus par l'État de Californie comme étant cancérigènes et à l'origine d'anomalies congénitales et de problèmes de l'appareil reproductif. Pour plus de renseignements, visiter le site www.P65Warnings.ca.gov.

GENERAL SAFETY

- Read the manual(s) included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Follow all instructions.
- Only persons well acquainted with these rules of safe operation should be allowed to use the unit.



⚠ DANGER *Risk of fire, explosion and/or death! Pump is NOT rated for use with flammable/combustible liquids, vapors or dusts. Do NOT pump liquids that are NOT clear. Failure to follow these instructions will result in bodily injury or death.*

⚠ DANGER *Risque d'incendie, d'explosion et/ou de mort! La pompe N'EST PAS homologuée pour être utilisée avec des liquides, vapeurs ou poussières inflammable/combustibles. NE PAS utiliser de liquides qui ne sont PAS clairs. Le non-respect de ces instructions entraînera des blessures corporelles ou la mort.*

⚠ WARNING *Risk of electric shock. This pump has NOT been tested for use in swimming pool or marine areas. NEVER place pump in pools while people are in the water. Failure to follow COULD result in death or serious injury.*

⚠ AVERTISSEMENT *Cette pompe N'a PAS été testée pour une utilisation dans une piscine ou dans des secteurs marins. NE JAMAIS placer la pompe dans une piscine pendant que des gens sont dans l'eau. Le non-respect de cette recommandation POURRAIT entraîner la mort ou des blessures graves.*



REMINDER: Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.

Operating Instructions and Parts Manual

⚠ WARNING

Risk of electric shock! Do NOT handle pump with wet hands or when standing in water or on a damp surface. Failure to follow COULD result in death or serious injury.

⚠ AVERTISSEMENT

Risque de choc électrique! NE PAS manipuler la pompe avec les mains humides ou debout dans l'eau ou sur une surface humide. Le non-respect de cette recommandation POURRAIT entraîner la mort ou des blessures graves.



⚠ DANGER

Electric shock hazard! For installation by a qualified electrician only. GFCI receptacles will provide protection against line to ground faults only. The ground fault receptacle does NOT limit the magnitude of fault current and will NOT prevent an electrical shock.

⚠ DANGER

Risque de choc électrique! À faire installer par un électricien qualifié seulement. Les prises équipées d'un disjoncteur de fuite à la terre fourniront une protection uniquement contre les défauts entre les lignes et le sol. Le boîtier du disjoncteur de fuite à la terre ne limite PAS l'amplitude du courant de défaut et n'empêchera PAS les chocs électriques.



NOTICE

Wear safety glasses at all times when working with pumps.

NOTICE

Damage to the power cord or discharge hose may occur. Use the handle supplied on the pump to carry or move.

APPLICATION AND OPERATION

⚠ DANGER

Do NOT use pump if any part of the housing switch, probe, or power cord is cracked, broken, or missing.

⚠ DANGER

NE PAS utiliser la pompe si une partie quelconque du commutateur de boîtier, de la sonde de capteur ou du cordon d'alimentation est fissurée, brisée ou manquante.

⚠ DANGER

Always disconnect electric supply before attempting to install, service, relocate, or perform any maintenance. If the power source is out of sight, lock and tag in open (off) position to prevent unexpected power application. Failure to do so could result in fatal electrical shock!

⚠ DANGER

Toujours couper le courant avant d'essayer d'installer, de réparer, de déplacer ou d'effectuer toute opération de maintenance. Si la source d'alimentation est hors de vue, verrouiller et étiqueter en position ouverte (off) pour éviter une décharge électrique inattendue. Ne pas le faire pourrait entraîner un choc électrique mortel.



⚠ DANGER

Use polarized grounding type plugs only. Polarized plugs have one blade slightly wider than the other and can only be inserted one way into the outlet. Do NOT handle plug connector near water. Failure to follow these instructions will result in serious injury or death.

⚠ DANGER

Utiliser seulement des fiches de masse polarisées. Les fiches polarisées ont une lame légèrement plus large que l'autre et ne peuvent être insérées dans la prise que d'une seule manière. NE PAS manipuler le connecteur près de l'eau. Le non-respect de ces instructions ENTRAÎNERAIT de graves blessures ou la mort.



⚠ WARNING

This unit is NOT designed for use as a sump pump or in sump applications, this will void warranty. This unit is NOT designed for use in septic tanks or underground vaults to pump raw sewage or effluents. NEVER use in hazardous or explosive locations.

⚠ AVERTISSEMENT

Cette unité n'est PAS conçue pour être utilisée comme pompe de puisard ou dans des applications de puisard, cela annulera la garantie. Cette unité n'est PAS conçue pour être utilisée dans des fosses septiques ou des enceintes souterraines pour pomper les eaux usées ou les effluents. Ne JAMAIS utiliser dans des environnements dangereux ou explosifs.

1. This pump has been designed with 1-1/4 in. NPT discharge connection size. Attach pipe or fitting to the discharge or use the supplied garden hose adapter. Thread the female end of the garden hose to the male end of the elbow.
2. Be certain to use a hose washer (not included) on the garden hose for correct pump operation.
3. For best pump performance, unwind the hose before starting the pump. This will help remove any kinks or binds in the hose and allow the unit to pump with less restriction.
4. Set the pump on a hard, flat surface in the water. Do not set the pump directly on mud or sand surfaces. This will cause the inlet to clog.
5. The water level must be at least 1-3/4 inches for the pump to cycle, prime, and operate. Water levels less than 1-3/4 inches will not allow the impeller to contact water therefore no water will be pumped.



⚠ DANGER

Do NOT use pump with wet hands or when standing in water or on a damp surface when the unit is operating or fails to operate. ALWAYS disconnect pump power cord from power source before handling.

⚠ DANGER

NE PAS utilisation pomper avec les mains humides ou debout dans l'eau ou sur une surface humide lorsque l'appareil fonctionne ou ne fonctionne pas correctement. TOUJOURS débrancher le cordon d'alimentation de la pompe de la source d'alimentation avant toute manipulation.

APPLICATION AND OPERATION

6. Plug the pump into a 120 volt GFCI protected outlet. The pump will start pumping automatically when the water reaches a depth of 1-3/4 inches. A priming delay of 2 seconds is programmed into the control to allow time for air to escape from the pumping chamber.
7. The pump will stop automatically once water has been removed to a depth of approximately 3/8 of an inch above the hard surface. The pump will not restart until the water depth rises to 1-3/4 inches or greater.
8. The pump will not allow itself to run dry. Once the pump detects that water is no longer being removed, it will shut down automatically. The pump must remain upright at all times in order for the water detection to function. Do not allow the pump to operate on its side or inverted.

NOTICE

Do NOT alter the pump to override the automatic water detector. The shaft seal depends on water for lubrication. Overriding this pump feature can cause the pump to run dry and may damage the shaft seal and cause pump failure and void warranty.

MAINTENANCE

⚠ DANGER

Pump starts automatically. Always disconnect electric supply before attempting to install, service, relocate, or perform any maintenance. Failure to do so could result in fatal electrical shock.

⚠ DANGER

La pompe démarre automatiquement. Toujours couper le courant avant d'essayer d'installer, de réparer, de déplacer ou d'effectuer toute opération de maintenance. Le non-respect de ces instructions pourrait entraîner un choc électrique mortel.



1. Periodic cleaning of pump is required to maintain performance of the pump. Follow the cleaning steps listed below:
 - a. Unplug the power cord.
 - b. Remove the four (4) base screws (Figure 2).
 - c. Remove the base and impeller plate.
 - d. Remove the debris and make sure the impeller turns freely.
 - e. Reinstall impeller plate, base, and screws.
 - f. Use a pin or paperclip to clean the priming hole and air escape channel.

PUMPING HEIGHT

When water is pumped to an elevated position, any volume that has not reached the discharge outlet can flow back through the pump when the pump shuts off. This back-flow can cause the water level in small areas to rise enough to re-start the pump. A check valve [*Check Valve Sold Separately*] is required in this situation. For proper operation, make certain the check valve is oriented as instructed.

NOTICE

In small areas a check valve is required to prevent backflow. Without a check valve the pump may cycle continuously and potentially wear out the pump components.

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TROUBLESHOOTING

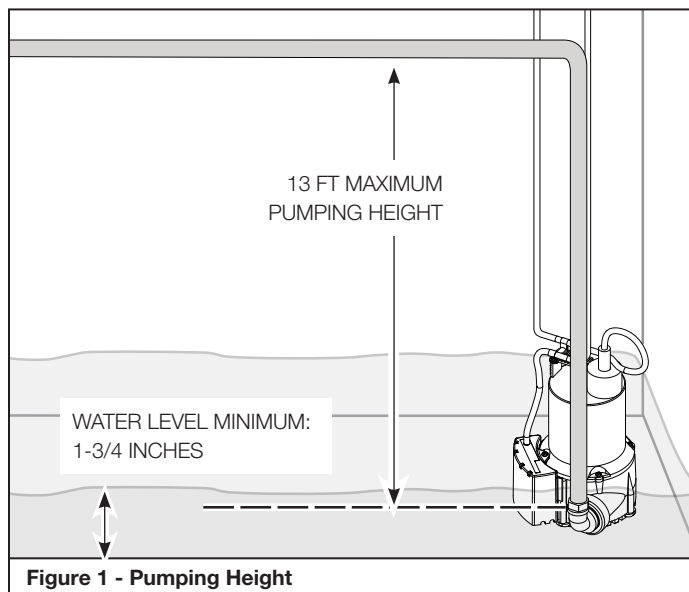
Minimal service is required for this pump. The motor housing of the pump is completely sealed and requires no internal service. If pump should fail to operate, perform the following troubleshooting guidelines:

1. Verify pumping height does NOT exceed 13 feet (See Figure 1). If pumping height is greater than 13 feet, this pump will NOT operate.
2. Verify water depth is 1-3/4 inches or greater (See Figure 1).

⚠ DANGER *Do NOT disassemble or alter this product in any way. Failure to follow these instructions will result in serious injury or death, and will void warranty.*

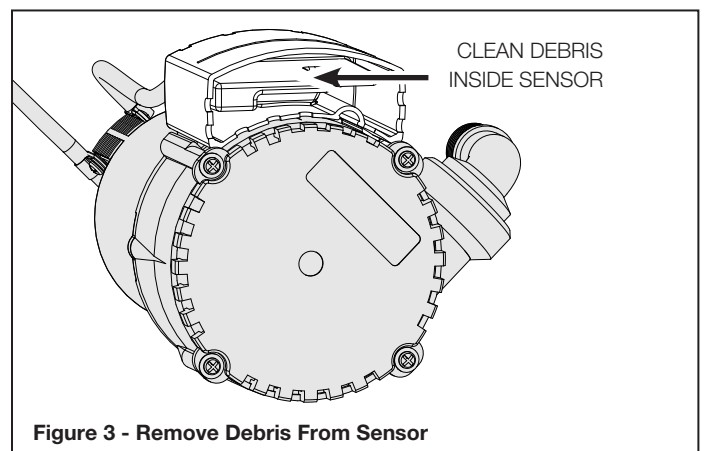
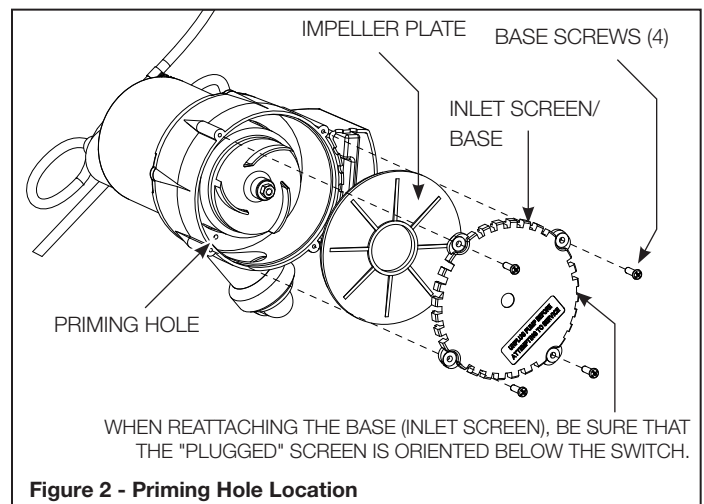
⚠ DANGER *NE PAS démonter ou modifier ce produit de quelque manière que ce soit. Le non-respect de ces instructions entraînerait de graves blessures ou la mort, cela annulera la garantie.*

3. To verify pump is operating correctly.
 - a. Disconnect pump from power source.
 - b. Connect hose adapter and discharge hose to pump.



- c. Immerse pump in a bucket or tub of water at least 1-3/4 inches in depth.
- d. Place the other end of the discharge hose outside the bucket, so the water will pump out.
- e. Plug power cord into a grounded 120 volt GFCI power outlet. The pump should start after 2 seconds of detecting water. Once the pump removes the water to a depth of 3/8 inch, the pump will stop automatically.
- f. If pump does NOT operate, unplug power cord and proceed to maintenance –refer to cleaning instructions.

4. To verify discharge hose is free from a blockage.
 - a. Connect hose to another water source such as a faucet. If water flows through hose, return to step 3a. If water is restricted, verify discharge hose is unwound. Remove all kinks, bends, or obstructions in hose.
 - b. If pump is still NOT operating, refer to cleaning instructions
5. If pump runs continuously, unplug the unit. Once unplugged, check for debris stuck inside the sensor body (Figure 3). Remove any trapped leaves, debris or dirt.
6. If the pump cycles on and off too often the electronic switch may need cleaning. Unplug the pump and turn upside down. The sensor should be checked for debris or build up of mater on the sensor.



Troubleshooting Chart

⚠ DANGER

Electrocution Hazard! Pump starts automatically. Disconnect the power before attempting any repairs. Failure to follow will result in serious injury or death.

⚠ DANGER

Risque d'électrocution! La pompe démarre automatiquement. Couper le courant avant d'entreprendre une quelconque réparation. Le non-respect de cet avertissement peut entraîner de graves blessures ou à la mort.

Symptom	Possible Cause(s)	Corrective Action
Pump will not start or run	1. Tripped home electrical breaker 2. GFCI tripped 3. Low line voltage 4. Defective motor 5. Dirty switch 6. Impeller obstructed 7. Inlet screen clogged 8. Priming hole plugged	1. Reset breaker 2. Check for damaged wiring or moisture 3. If voltage is under 108 volts, check wiring size 4. Replace pump 5. Rinse out switch with clean water (Figure 3) 6. Remove base and impeller plate (Figure 2) check for debris; clean 7. Clean inlet screen (Figure 2) 8. Clean hole, inside volute housing, with a pin or paper clip (Figure 2)
Pump starts and stops too often	1. Backflow of water from piping 2. Dirty switch 3. Priming hole plugged	1. Install or replace check valve [<i>Sold Separately</i>: 62061-WYN1] 2. Rinse out switch with clean water (Figure 3) 3. Clean hole, inside volute housing, with a pin or paper clip (Figure 2 on page 3)
Pump will not shut off or runs continuously	1. Debris in switch 2. Discharge height exceeds capability	1. Rinse out switch with clean water (Figure 3) 2. Raise pump or reduce discharge height
Pump operates but delivers little or no water	1. Impeller obstructed 2. Priming hole plugged 3. Obstructed piping 4. Discharge height exceeds capability	1. Remove base and impeller plate (Figure 2), check for debris; clean 2. Clean hole, inside volute housing, with a pin or paper clip (Figure 2) 3. Check for kinks, reposition hose or check for debris 4. Reposition pump to reduce discharge height

LIMITED WARRANTY

For one year for EEAUP250 model from the date of purchase, from an authorized dealer, Wayne Water Systems will repair or replace, at its option for the original purchaser, any part or parts of its Multi-Use Pumps or Water Pumps ("Product") found upon examination by Wayne Water Systems to be defective in materials or workmanship. Please call Wayne Water Systems (800-237-0987) for warranty instructions. Be prepared to provide the model number and the serial number when exercising this warranty. All transportation charges on Products or parts submitted for repair or replacement must be paid by purchaser.

This Limited Warranty does not cover Products which have been damaged as a result of accident, abuse, misuse, neglect, improper installation, improper maintenance, or failure to operate in accordance with Wayne Water Systems' written instructions.

THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, OBLIGATIONS OR AGREEMENTS, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ANY RIGHTS OR REMEDIES AGAINST ANY PERSON OR ENTITY UNDER THE UNIFORM COMMERCIAL CODE OR OTHERWISE WITH RESPECT TO THE SALE OF THE PRODUCT. THE REMEDIES AND OBLIGATIONS STATED IN THIS WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES OF AND OBLIGATIONS TO THE OWNER FOR ANY AND ALL MATTERS ARISING WITH RESPECT TO OR IN ANY WAY CONNECTED WITH THE PRODUCT, REGARDLESS OF THE SOURCE OR PROVIDER OF SUCH GOODS. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL WAYNE WATER SYSTEMS OR ANY AFFILIATE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

You **MUST** retain your purchase receipt along with this form. In the event you need to exercise a warranty claim, you **MUST** send a **copy** of the purchase receipt along with the material or correspondence. Please call Wayne Water Systems (800-237-0987) for return authorization and instructions.

DO NOT MAIL THIS FORM TO Wayne Water Systems. Use this form only to maintain your records.

MODEL NO. _____ SERIAL NO. _____ INSTALLATION DATE _____

ATTACH YOUR RECEIPT HERE

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