

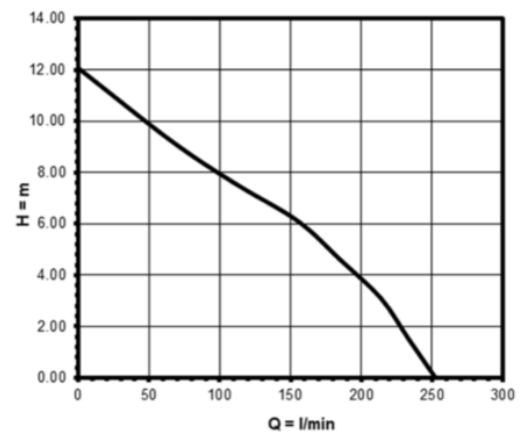


9EN-CIM Wastewater Removal Pump



The “Eliminator” series pumps are designed for a wide range of residential, commercial, industrial and agricultural applications with low to medium effluent waste and wastewater transfer demand.

- Maximum head: 12 metres
- Maximum removal head: 123LPM
- 4/1 0HP PSC with overload protection
- Designed for continuous duty
- Handles 3/4" solids
- Epoxy coated cast iron housing and cover
- Polypropylene base
- Nitrite with carbon and ceramic faces
- Upper sintered sleeve bearings
- Lower ball bearings
- cCSAus listed



Technical Specifications:

- Horsepower: 4/10HP
- Flow: 80 GPM @ 5' Head
- Cord Length: 20'
- Shut Off: 32'
- Voltage: 115V
- Hertz: 60
- Amps: 9
- Watts: 920
- Weight: 26.5 lbs.
- Height: 9.15"
- Width: 6.8"
- Length: 9.6"



WARNING: RISK OF ELECTRIC SHOCK! This pump is supplied with a grounding conductor and/or grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected to a properly grounded grounding-type receptacle.

Your 115 V pump is equipped with a 3-prong electrical plug. The third prong is to ground the pump to prevent possible electrical shock hazard. Do not remove the third prong from the plug. A separate branch circuit is recommended. Do not use an extension cord.

When a pump is in a basin, etc., do not touch motor, pipes or water until unit is unplugged or shut off. If your installation has water or moisture present, do not touch wet area until all power has been turned off. If shut-off box is not accessible, call the electric company to shut off service to the house, or call your local fire department for instructions. Failure to follow this warning can result in fatal electrical shock.

The flexible PVC jacketed cord assembly mounted to the pump must not be modified in any way, with the exception of shortening the cord to fit into a control panel. Any splice between the pump and the control panel must be made within a junction box and mounted outside of the basin and comply with the National Electrical Code. DO NOT use the power cord for lifting the pump.

The pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly. Protector tripping is an indication of motor overloading as a result of operating the pump at low heads (low discharge restriction), excessively high or low voltage, inadequate wiring, incorrect motor connections, or a defective motor or pump.

1. Read all instructions and safety guidelines thoroughly. Failure to follow the guidelines and the instructions could result in serious bodily injury and/or property damage.
2. DO NOT USE TO PUMP FLAMMABLE OR EXPLOSIVE FLUIDS SUCH AS GASOLINE, FUEL OIL, KEROSENE, ETC. DO NOT USE IN EXPLOSIVE ATMOSPHERES OR HAZARDOUS LOCATIONS AS CLASSIFIED BY NEC, ANSI/NFPA70. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.
3. During normal operation the pump is immersed in water. Also, during rain storms, water may be present in the surrounding area of the pump. Caution must be used to prevent bodily injury when working near the pump:
 - a. The plug must be removed from the receptacle prior to touching, servicing, or repairing the pump.
 - b. To minimize possible fatal electrical shock hazard, extreme care should be used when changing the fuses. Do not stand in water while changing fuses or insert your finger into the fuse socket.
4. Do not run the pump in a dry basin. If the pump is run in a dry basin, the surface temperature of the pump will rise to a high level. This high level could cause skin burns if the pump is touched and will cause serious damage to your pump.
5. Do not oil the motor. The pump housing is sealed. High grade dielectric oil devoid of water has been put into the motor housing at the factory. Use of other oil could cause serious electric shock and/or permanent damage to the pump.
6. This pump's motor housing is filled with a dielectric lubricant at the factory for optimum motor heat transfer and lifetime lubrication of the bearings. Use of any other lubricant could cause damage and void the warranty. This lubricant is non-toxic; however, if it escapes the motor housing it should be

removed from the surface quickly by placing newspapers or other absorbent material on the water surface to soak it up, so aquatic life is undisturbed.

7. In any installation where property damage and/or personal injury might result from an inoperative or leaking pump due to power outages, discharge line blockage, or any other reason, a backup system(s) and/or alarm should be used.

BASIN

Pump must be installed in a suitable gas-tight basin which is at least 18" in diameter and 24" deep. It must be sealed and vented to meet local, state, and federal plumbing codes. Pump must be placed on a hard level surface. Never place pump directly on clay, earth, or gravel surfaces. A check valve must be used in the discharge line to prevent back flow of liquid into the basin. The check valve should be a free flow valve that will easily pass solids.

Caution: For best performance of check valves, when handling solids install in a horizontal position or at no more than at a 45° angle. Do not install check valve in a vertical position as solids may settle in valve and prevent opening on start-up.

When a check valve is used, drill a 3/16" hole in the discharge pipe approximately 1" to 2" above the pump discharge and below the check valve to prevent air locking of the pump.

WIRING

Check local electrical and building codes before installation. The installation must be in accordance with their regulations as well as the most recent National Electrical Code (NEC). To conform to the NEC, all pumps must be wired with 14 AWG or larger wire. For runs to 250', 14 AWG wire is sufficient. For longer runs consult a qualified electrician or the factory. Pump should be connected or wired to its own circuit with no other outlets or equipment in the circuit line. Fuses and circuit breaker should be of ample capacity in the electrical circuit.

REMOTE FLOAT SWITCH LEVEL CONTROL

The RF series pumps are equipped with a remote float switch level control. For automatic operation, the pump must be plugged or wired into this remote float switch. Pump will run continuously if plugged directly into an electrical outlet. When the level rises in the basin, the cylinder floats up with the level. When the cylinder position is at an angle of about 45°, the switch activates and starts the pump motor. As the level draws down, the cylinder floats down and when it is again at an angle of about 45°, the switch deactivates and the pump motor stops.

NOTE: Be certain pump is secure in basin and cylinder floats UNOBSTRUCTED without touching the basin walls or plumbing. A minimum tether length of 3.5" is required.

