

## EHV<sub>412</sub>

### SUBMERSIBLE EFFLUENT PUMP

*Barnes EHV pumps combine high quality, high performance and low cost in a rugged, heavy duty design. Capable of handling up to 3/4 inch spherical solids, the pump utilizes a vortex impeller and a combination of cast iron and stainless steel components to stand up to the toughest residential effluent applications.*

#### **Outstanding Performance**

- Maximum flow rate to 49 gpm at 5' of head
- Maximum shutoff head of 45"
- Vortex impeller provides 3/4" solids handling capability
- Permanent split capacitor motor for reliable, high performance, longer motor life, greater starting torque, and lower amp draw
- 1/2hp 3450rpm single phase motor includes overload protection
- Heavy duty upper and lower ball bearings are oil lubricated for maximum life

#### **Heavy Duty Materials of Construction**

- Cast iron motor housing
- Cast iron pump body
- Cast iron multi-vane vortex impeller
- Stainless steel pump shaft
- Stainless steel hardware

#### **Level Control Options**

- Manual operations requires no controls
- Wide angle mechanical float mounted on discharge pipe or pump body
- Snap action vertical float switch mounted on discharge pipe or pump body
- All switches utilize "piggy back" switches which eliminates the need to pull pump to check for switch failure.



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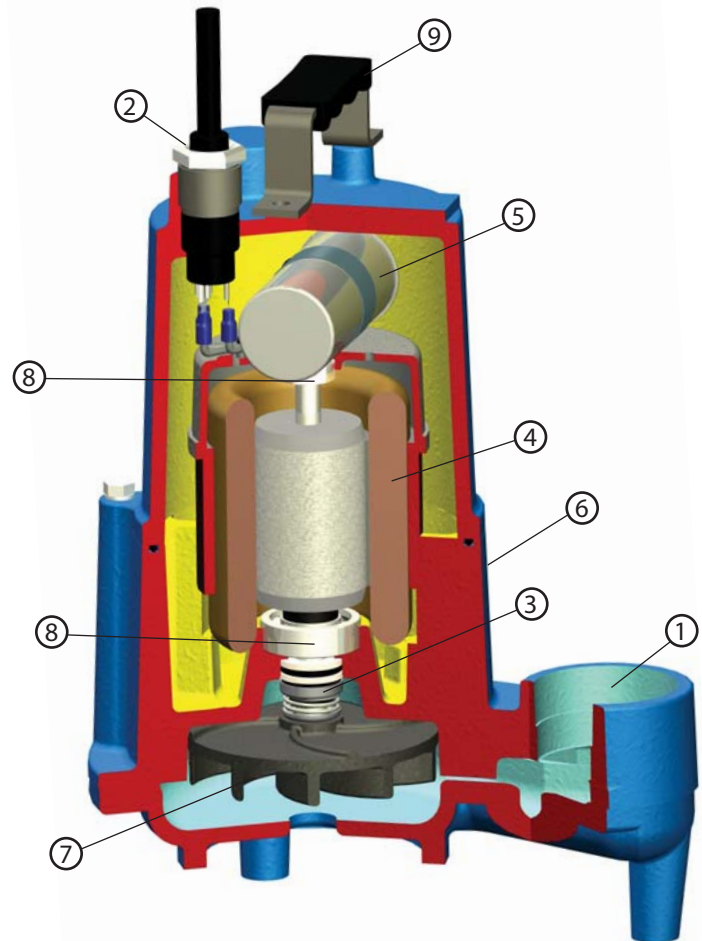
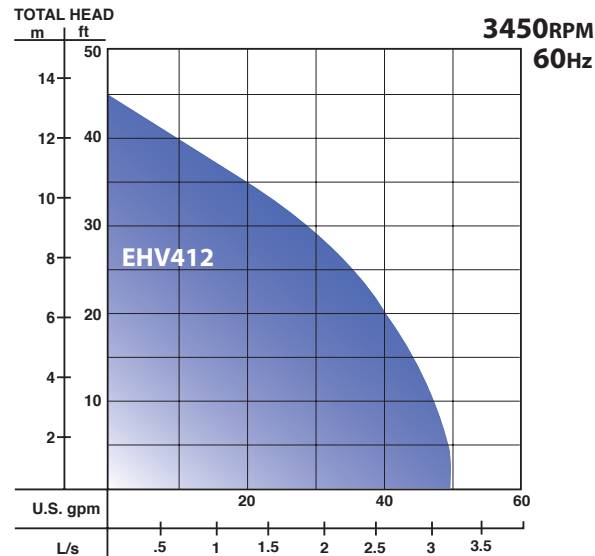
**CRANE** PUMPS & SYSTEMS

### Additional Pump Features

- CSA C/US listed
- 20' cord length standard
- 12 month limited warranty

### Available Models

- EHV412  
manual unit, no control provided
- EHV412A  
furnished with mechanical float for pipe mount
- EHV412VF  
furnished with vertical float for pipe mount
- EHV412AT  
furnished with mechanical float tethered to pump



### Design Features

1. 2" NPT outlet connection
2. Proven cord entry design prevents leakage
3. Heavy duty industrial Type 21 silicon carbide seal
4. 1/2 HP motor for efficient and reliable effluent pumping
5. Motor capacitor provides high start torque
6. Corrosion-resistant cast iron construction
7. Cast iron vortex impeller passes solids up to 3/4 inch
8. Oil-lubricated ball bearings provide maximum life
9. Stainless steel lifting handle with rubber grip

**CRANE**®

PUMPS & SYSTEMS

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