

# Liberty Pumps®

## ELV-Series

### **Elevator Sump Pump Systems with OilTector® Control**

*Ideal for elevators,  
garages and areas  
where the discharge of  
oil/hydrocarbons into the  
environment is prohibited.  
Compliant with ASME A17.1  
and local building and  
safety codes.*

#### **Features:**

- Complete packaged system
- 1/3, 1/2 or 3/4 hp Sump Pump
  - OilTector® Control
  - Remote Alarm
- 115 or 230 volt models
- Easy clamp-mount installation,  
with plug-in ready wiring



**Level Sensor**



innovate. evolve.

# ELV-Series System with OilTector® Control

The OilTector® control system is designed and approved for safe operation of pumping, alarming and monitoring of elevator sump pits, transformer vaults and other applications where oil and water must be detected. The OilTector® system will activate the pump to remove water from elevator pits in accordance with ASME A17.1, and will provide pumping of only water - even if an oil condition is detected. The OilTector® cycles the pump only in the water range. Oil and other harmful substances are not discharged into the environment. An alarm is activated in the event of a high water condition or high oil condition.

## OilTector® Description of Operation

On water rise, the pump will activate when the water level reaches the "start" probe. Pump will remain on until the water level is below the "off" probe. When the "off" probe no longer senses water it turns the pump off, air or oil are ignored and an oil layer (if present) will not be pumped out of the sump. If the liquid level reaches the "alarm" probe and mechanical float, the system will differentiate between water and oil and activate the appropriate alarm.

## ELV-Series Complete Sump Pump Systems (Pump, OilTector® Control, Alarm)

Model	hp.	Volts	Wgt. lbs.
ELV250	1/3	115 v.	34
ELV280	1/2	115 v.	40
ELV280HV	1/2	230 v.	40
ELV290	3/4	115 v.	42
ELV290HV	3/4	230 v.	42

## Pump Only Models

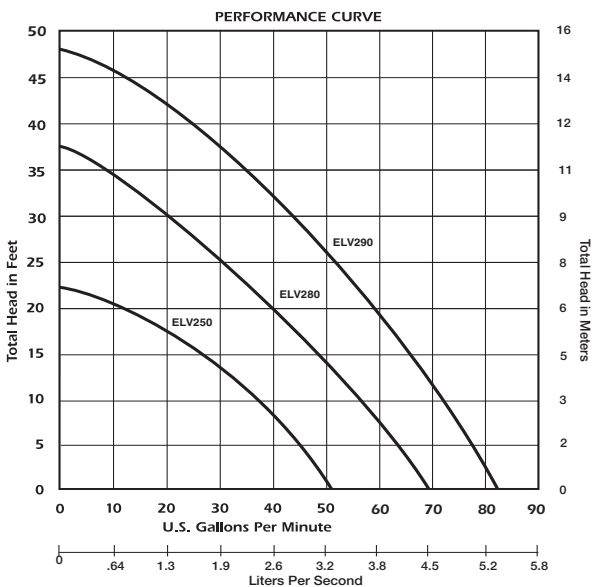
Model	hp.	Volts	Wgt. lbs.
EV250	1/3	115 v.	24
EV280	1/2	115 v.	30
EV280HV	1/2	230 v.	30
EV290	3/4	115 v.	32
EV290HV	3/4	230 v.	32

See 250-Series, 280-Series and 290-Series literature for complete pump specifications

## OilTector® Control and Alarm Only

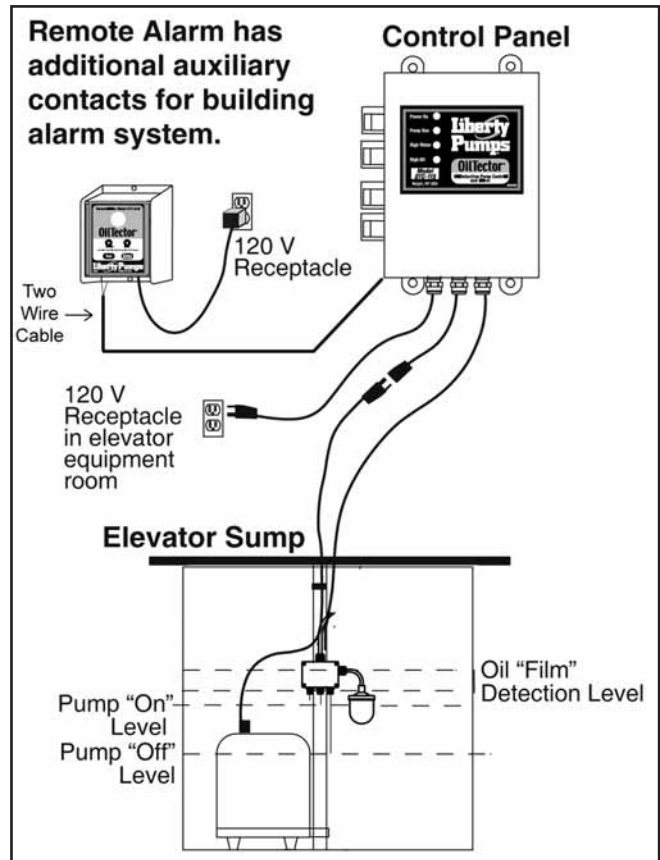
Model	Volts	Max. hp	Wgt. lbs.
OTC-115	115	1	9
OTC-230	230	2	9

## Pump Performance Curve



## Features:

- Heavy-duty 1/3, 1/2 or 3/4 hp. cast iron sump pump
- Oil resistant SJEOOW cord (25' standard length)
- Easy, clamp mounted pre-set level sensor holder
- No field adjustments required. OilTector® will turn pumps on and off, sound the high water alarm and high oil alarm with one easy installation.
- Control panel with separate pump and control circuits - Nema 1 enclosure. Height 8.75" x Width 6.5" x Depth 5"
- Plug-in ready pump cord and power to panel cord for quick and easy installation
- Remote alarm with additional auxiliary (24 VDC) contacts for connection to building automation system or SCADA system. Audio/visual warning. 120 volt primary and 9 volt back-up powered.
- Power on, Pump Run, High water and High oil lights.
- ASME A17.1 Compliant



Specifications subject to change without notice.

