

envie³ SENSING PACKAGE

SENSING THE FUTURE

ENVISIONING MORE WITH envie³

Available on E36 frame pumps (4" through 12" discharge, 30HP to 125HP), the envie3 sensing package will bring you peace of mind when it comes to pump operation. Protect important equipment with vibration sensors, temperature sensors, motor protection and seal failure sensing, extending the pump service life and time between repairs.



- 1 **Vibration Sensor:** Excessive vibration can shorten the overall pump life, and can indicate clogging. Identifying excessive vibration early can help extend pump life and time between repairs.
- 2 **Winding Temperature Sensors:** This can help determine if the pump is running in it's preferred range, thus extending pump life by monitoring pump performance.
- 3 **Winding Protection:** In the event the motor overheats, these switches will act as an alert that the pump needs to shut down, preventing damage from excessive temperature.
- 4 **Bearing Temperature Sensor:** Protects the pump from premature bearing or shaft failure, thus extending pump life and time between repair by avoiding premature bearing or shaft failure.
- 5 **Moisture Sensor:** Detects seal failure with a normally open float sensor. The sensor alerts that the seals have failed and moisture has entered the leakage chamber.

Heat dissipation:

- ↓ Heat transfer from the motor to the volute
- ↑ Glycol flow for cooling



The new E36 frame monitoring relay will connect all of the sensors to the control panel. The relay will also be capable of measuring the pump current and voltage using external inputs, allowing for potential issues to be detected from the control panel before the pump is damaged. The relay will have customizable set limits for "Warning" and "Alarm" levels.