# CIRCULATOR PUMP ENERGY RATING LABEL

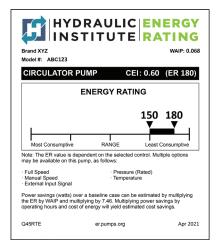


An industry label for energy efficient circulator pumps

## **Big Steps Towards Greater Sustainability**

Homes and businesses rely on circulators to operate heating, cooling and domestic hot water systems. The Energy Rating label provides a clear and easy way to identify energy efficient circulators and provides a range of potential savings. The higher the Energy Rating, the more savings the circulators can provide the end user. Labeled circulators provide:

- Trusted performance data
  - acted to industry standards
- Optimized performance
- Improved comfort
- Tested to industry standards
   Easy drop-in upgrade
- Broad industry participation Fully integrated controls
  - Qualifies for utility rebates



## The HI Energy Rating is the Industry Recognized Mark for Energy Efficiency

The Circulator Energy Rating label is intended to be used by designers, contractors, distributors, and end users to select more efficient products to meet energy savings, life-cycle cost, and environmental impact goals. Rated circulators benefit customers by saving energy, maximizing system efficiency, lowering operating costs, and reducing carbon emissions.

If the market transitions to efficient energy rated circulators, it could unlock enough savings over the life of the circulator to:



Provide a year's worth
of electricity for
more than

1.5M
homes



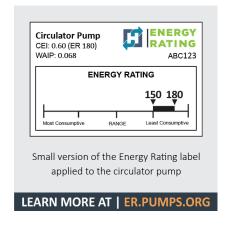
Offset the CO2 emission from more than

1B gallons of gas



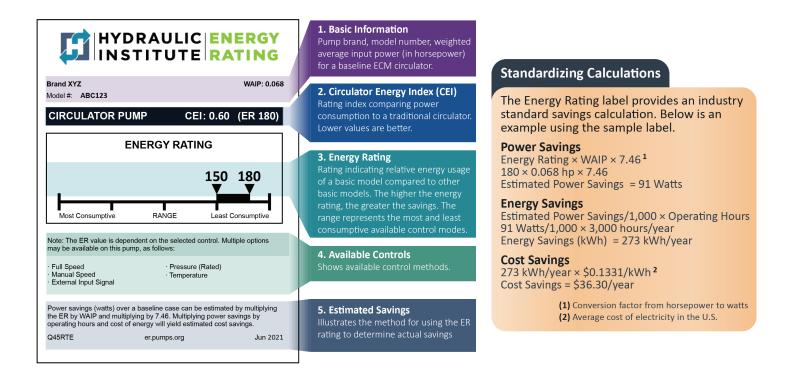
Energy Savings could reach over

1B



### Reading the Energy Rating Label

The Energy Rating label enables the comparison of properly selected circulator pumps based on the average power consumption. It can be used to estimate the power savings or to compare the power savings between multiple circulator options. The Energy Rating label will be displayed in sales literature, on packaging, and on the product to make it easy for customers to identify an energy efficient circulator.



#### **Upgrading to a Better Pump Choice**

When replacing a circulator pump, choosing an Energy Rating labeled pump can typically achieve 78% electrical energy savings compared to a traditional circulator. This is made possible with the use of ECM or electrically commutated motors versus standard induction/asynchronous motors. This upgrade alone provides significant reduction in energy consumption.

Additionally, incorporating variable speed control allows the pump to react to the system or the environment it is operating in by speeding up or slowing down. This allows reduced energy cost and improved comfort not achievable with traditional circulators. Proper sizing and selection of circulator pumps, in combination with the HI Energy Rating, is vital to achieving the most efficient pumping system.



