

HOW TO TELL IF A PUMP IS ENERGY EFFICIENT

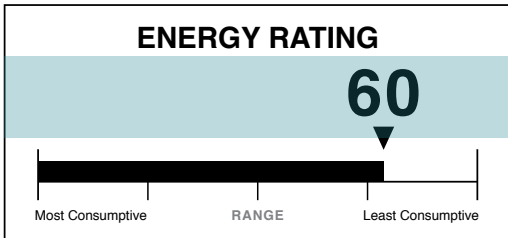
The Hydraulic Institute's Energy Rating label uses a simple rating system to identify energy and cost savings. Starting in January 2020, all pumps must have an Energy Rating ≥ 0 (PEI ≤ 1.0).

If you're specifying, purchasing or comparing new pumps, check out the back of this card to learn what to look for.



Brand XYZ **ESCC Pump Type**
Model #: 84 - Motor
Nominal Speed: 3600 - Continuous Controls

VARIABLE LOAD **PEI_{VL}: 0.40**



Power savings over the baseline can be estimated by multiplying ER by motor input power (kw) and dividing by 100. Multiplying power savings by operating hours and cost of energy will yield estimated cost.

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er.pumps.org

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1. BASIC INFORMATION

Pump brand, model number, nominal speed, equipment type, motor and controls (if applicable).

2. PUMP ENERGY INDEX

Calculation comparing the pump's efficiency to the minimum standard. Lower values are better.

3. ENERGY SAVINGS

Number indicating the percent of power savings over the baseline set by Department of Energy. The higher the energy rating, the more efficient the pump.

4. ESTIMATED SAVINGS

Illustrates the method for using the ER rating to determine actual savings.

For more information and to search the Hydraulic Institute's database of pumps, visit er.pumps.org

