

# Why HERA?

- Up to **40% more efficient** than standard worm gearing
- Dimensionally **interchangeable** to up to 4 sizes of worm drives
- Available with a variety of Marathon Premium Efficiency motors for **even more energy savings (recommended)**
- Increased Torque Density and Efficiency allow for **downsizing of units** and motors
- Filled with PAG460 premium synthetic lubricant for **enhanced efficiency** (Meets USDA H1)
- Viton Double Lip Seals **protect against leaks** at higher temperatures
- **Longer life** expectancy than that of standard worm gearing
- **Rapid payback** – Up to \$550 savings per year with each increment of motor hp

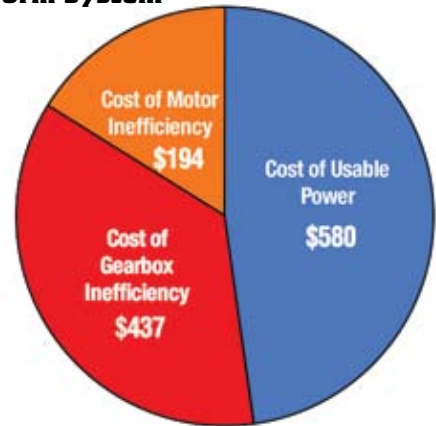
## Energy Savings Example

	Worm System	HERA System
Gearbox Description	3.25" Worm	HERA45
Gearbox Ratio (to 1)	60/1	59.79
Motor Description	Standard 3-ph	Marathon Globetrotter®
Motor Rating (HP)	3HP	1.5HP
Motor Efficiency	84%	87%
Gearbox Operating Efficiency	57%	90%

Cost of Usable Power	\$580	\$580
Cost of Gearbox Inefficiency	\$437	\$64
Cost of Motor Inefficiency	\$194	\$100
Annual Operating Cost (total)	\$1,211	\$744
Annual Energy Cost Savings		<b>\$468</b>

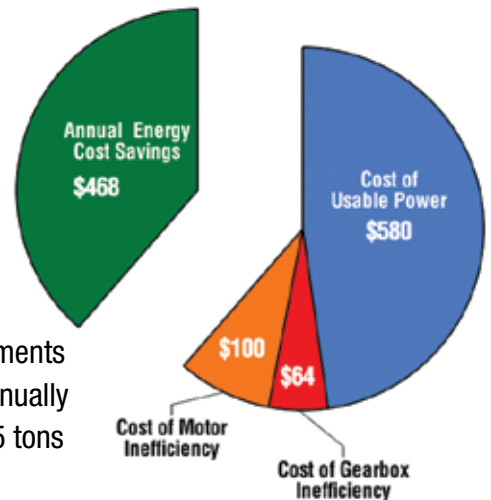
Individual results may vary.

### Worm System



Annual Operating Cost (total): \$1,211

### HERA System



Annual Operating Cost (total): \$744

### HERA45 BENEFITS

- 39% Energy Savings
- Smaller Motor Requirements
- 4700 kW-hrs Saved Annually
- CO<sub>2</sub> Savings = Over 2.5 tons

Go Online to Calculate  
Your Savings!  
[www.hubcityinc.com/  
energy\\_calculator/  
efficiency\\_calculator.html](http://www.hubcityinc.com/energy_calculator/efficiency_calculator.html)

## HERA Ordering Information

### HERA45

Basic Model

HERA35  
HERA45  
HERA55  
HERA75

### E

Input Style

A: Shaft Input  
E: C-face Quill  
P: C-face Coupled

### S

Output Style

S: (Sleeve) Hollow Bore

### 28.01

Exact Ratio

See Ratings Chart for Available Ratios

### 143TC

Frame Size

See Dimensional Table for Available Frame Sizes

### 1.438

Bore Size

See Stock Bores Table

### 0259-00096

Shaft Kit

See Accessories Page For available Accessories

### 0259-00083

B-Base Kit