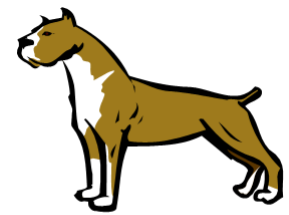


Knock Out Pump Jack Energy Costs with “The Boxer” Motor Companion



THE BOXER
MOTOR COMPANION

Objective:

To save operating costs by reducing energy consumption, eliminating severe starts and allowing regeneration of energy when available.

How it works:

Houston Motor & Control’s patented technology platform, **The Boxer**, has been verified in independent testing to start softly and improve the efficiency of electric motors in constant speed and variably loaded applications. **The Boxer** technology detects motor load in the oilfield pumping unit by continuously analyzing the voltage, current and power factor in order to deliver only the precise amount of energy required.

Highlights:

- Saves Energy
- Plug-n-Play Installation
- Requires No Training
- Improves Equipment Life
- Reduced:
 - Downtime
 - Man Hours
 - Maintenance Costs

HMC’s **Boxer** Motor Companion utilizes patented energy saving algorithm circuits which sample current, voltage and power factor every half-cycle. When **The Boxer** indicates the motor is lightly loaded and running inefficiently, current is reduced to the motor, resulting in lower energy consumption costs.

Pump Jack Benefits:

The soft starting feature reduces the in-rush of electrical current, thus saving equipment. The severe impact to topside and downhole equipment is avoided.

Integration into new and existing units is fast and easy. No control wiring or programming required.



Features

- Ease of Plug-n-Play
- Automatic Features:
 - Auto detects breakaway torque for smoother start – no programming required
 - Patented Automatic energy saving via – IER (Intelligent Energy Recovery) System
- Soft Start/Stop Functionality
 - Adjustable ramp times
- Electronic motor protection
 - Overload
 - Under Current
 - SCR Protection
 - Phase Loss Protection
- Configurable inputs and outputs
 - Programmable Original Inputs
 - Two Programmable Relay Outputs
- Optional Modbus Communications
- Energy Saving Mode Indicator
- Fault Condition and Type Indicator

Benefits

- Reduces Energy Consumption
- Reduces Peak In-Rush Current Demand
- Improves Power Factor
- Reduces Carbon Emissions
- Reduces Motor Temperature
- Increases Motor Life
- Reduces Wear and Tear on Mechanical Elements of the System
- Qualifies for Utility Rebates in Some Areas
- Designed for New Equipment or Existing Installations
- Saves Money

To see the White Paper, go to:
www.motor-hmc.com/boxer-motor-companion/

