

## HorsePower Limiter



**Automatically limit hydraulic flow for maximum engine performance**

### HORSEPOWER LIMITER

**How It Works:** HorsePower Limiters monitor the speed of the engine supplying power for the hydraulic system, and automatically limits the proportional outputs which maintains the maximum performance of the engine. As long as the pump or engine speed stays above a preset value, the proportional outputs will function at full range. If the pump or engine rpm decreases below the preset level, the proportional outputs decrease to limit the power available to the function on those outputs.

**Why Use It?:** A HorsePower Limiter can be used to optimize power consumption, regulate vehicle performance, and prevent engine stalling from an overload demand of power. Preventing a stall condition increases productivity.

**Typical Applications:** HorsePower Limiters are typically used in hydraulic applications where the hydraulic output has an effect on engine performance. HorsePower Limiters are used in applications, such as hydraulic drives, road graders, shredders, saws, compacting equipment and many other applications.

**Stand-Alone or Integrated:** HorsePower Limiters can be stand alone devices that control a master hydraulic feed valve, or can be integrated into most Kar-Tech control systems.

**Protected Inputs:** HorsePower Limiters, in stand-alone configurations, integrate protection mechanisms for its digital and analog inputs to allow machine voltages to be used as input without damaging the controller.

**Protected Outputs:** HorsePower Limiters, in stand-alone configurations, integrate outputs with protection for short circuit, reverse battery conditions, and transient and inductive surges.

**Diagnostic:** HorsePower Limiters, in stand-alone configurations, allow the user to know when an error occurs by signaling with error LEDs

## Hydraulic Generator Controls



- Runs off of mobile vehicle voltages (9-30 volts DC) for mobile control of AC power generation.
- Controls generators for 50 or 60 Hz AC power up to 480VAC.
- Can be set up to operate virtually any proportional hydraulic valve.
- Setup and calibration made simple with Palm Pilot™ application and interface.
- Closed loop operation regulates generated output frequency to within 1 Hz of set frequency.

Latest in machine control technology provides cost effective, reliable solution for mobile electricity generation applications.

