



**Power Step, Inc.**  
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## **ELECTRIC SHOVEL APPLICATIONS**

### ***SPECIFICATIONS AND GENERAL INFORMATION***

**POWER:** Hydraulic power to the step is supplied by a self-contained electro-hydraulic power unit. On standard units, a 12 volt deep-cycle battery and fully automatic charger are provided permitting operation of the step independent of shovel power. Normal charger input is 120 VAC, 200W. All cables and connectors are also included. 120 & 240 VAC power units also available.

**HYDRAULICS:** Lifting action is provided by a single acting hydraulic cylinder. "Down" operation is accomplished through a solenoid pressure release valve, allowing cylinder bleed-down. Speed is controlled through an in-line orifice located at the cylinder and pressure compensated flow control valve. A preset internal pressure relief valve within the system prevents overloading when lifting.

**OPERATION:** Two-way, self-centering electrical switches are located on the step platform, on the machine catwalk, and at ground level, allowing easy operation from all locations.

**LOCKING:** The power step locks automatically when in the fully raised position. Manual lock releases are provided on the platform and at ground level. A machine interlock switch is used to prevent machine rotation when the step is not in locked position. This switch is generally supplied by the customer.

**PLATFORM:** Standard platform size 24" x 24" (610 mm x 610 mm). Platform is equipped with railings and safety chain. Step conforms to SAE J185 and other applicable design guidelines.

**CAPACITY:** 600 pounds (273 kg.) max.

**UNIT WEIGHT:** Approximately 700 pounds (318 kg.)

**INSTALLATION:** Units come fully equipped for complete installation. Assembly and installation time is four to eight hours.