



**Power Step, Inc.**  
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## HYDRAULIC EXCAVATOR APPLICATIONS

### *SPECIFICATIONS AND GENERAL INFORMATION*

**POWER:** 24 volt DC vehicle power is used to supply the self-contained electro-hydraulic power unit on the power step. Current draw is approximately 100 amps, (during "up" operation only). All cable and connectors are supplied.

**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 at the power unit. A preset internal pressure relief valve provided 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 the locked position.

**PLATFORM:** Standard platform size on hydraulic excavators is 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.)

**UNIT WEIGHT:** Approximately 500 pounds (227 kg.)

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