

**Ac motors**

IronHorse general-purpose ac motors now include cast iron three-phase premium efficiency models sized from 1 to 200 hp. They are rated for speeds of 1200, 1800, and 3600 rpm and are electrically reversible. T- and TC-frame TEFC motors come with ribbed cast



iron frames for maximum cooling. Features include solid full frame-length cast iron mounting

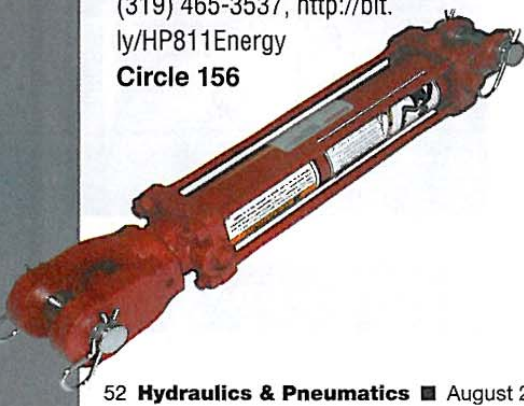
feet, cast iron junction box with rubber gasket and rubber dust cover. Sizes 10 hp and smaller come with maintenance-free bearings; larger have ball or roller bearings.

**AutomationDirect,**  
(800) 633-0405,  
<http://bit.ly/HP811AutoDir>  
**Circle 155**

**Tie-rod cylinders**

HPTR series high-pressure tie rod hydraulic cylinders have a 3250 psig (225 bar) working pressure capability. They are offered with custom strokes to 7.25 ft (2.2 m), in increments of ¼ in. (0.64 cm). Single- and double-acting designs are available with bores from 2 to 4 in. (5.08 to 10.16 cm) and rod diameters from 1½ to 2 in. (2.86 to 5.08 cm). They are available with ASAE-type heavy-duty ductile iron base and rod clevis ends; with or without clear zinc-plated clevis pins and clips. O-ring and backup static seals come on the cylinder barrels.

**Energy Manufacturing Co. Inc.,**  
(319) 465-3537, <http://bit.ly/HP811Energy>  
**Circle 156**

**Quick couplings**

Q-Safe hydraulic couplings meet and exceed industry standards for double shut-off applications. They are available in body sizes from ¼ to 1½ in. for working pressures to 10,150 psi and 1,000,000 impulse cycles. All series are provided with an environmentally friendly Cr3+ (Trivalent Chrome) surface coating for resistance to corrosion, exceeding ISO 4520 requirements (salt spray resistance: 240 hr for white corrosion and 400 hr for red corrosion).

**Manuli Hydraulics (Americas) Inc.,** (724) 778-3380,  
<http://bit.ly/HP811Manuli>

**Circle 157**

**Cylinder components**

Line of standard components for manufacturing hydraulic cylinders includes rod ends, spherical bearings and bushings (in carbon or stainless steel), pistons, end caps, piston and rod seals in a variety of materials, and fluid ports. Company also offers components for pneumatic cylinders and 4-bolt flanges.

**EuroSnodi Group,** +39-0522 501119,  
<http://bit.ly/HP811EuroSnodi>

**Circle 158**

**Precision regulator**

Miniature precision regulator provides highly accurate air pressure control in limited-space applications. This precision-machined regulator features an output pressure range to 100 psi, high-flow rate of 4.5 scfm, and a maximum supply pressure of 250 psi. Tight

design tolerances minimize vibration, allowing the regulator to remain stable under changing operating conditions.

**Pneumadyne Inc.,** (763) 559-0177, <http://bit.ly/HP811Pneumadyne>  
**Circle 159**

**Solenoid valve**

EVP Series proportional control valve uses a single internal moving part for precise control of air and inert gases. The valve can be controlled using dc, open or closed-loop control, or pulse-width modulation. The valve offers many options, including mounting, ports, and seal material. Five orifice sizes are available: 0.009, 0.013, 0.025, 0.040, and 0.060 in. It is rated for pressures to 100 psig and temperatures from 32° to 120°F (0° to 50°C) and is available with #10-32 female (in-line) or #10-32 male stud (manifold) ports.



**Clippard Instrument Laboratory Inc.,** (877) 245-6247, <http://bit.ly/HP811Clippard>

**Circle 160**