

DuraForce®
Eaton Pumps, Motors, Valves

Maximum Muscle. Precise Control.



EATON

Powering Business Worldwide

When the specs call for power and precision.

Extreme duty cycles. High pressure applications. Heavy-duty equipment. Sometimes the specs call for heavy lifting, and that's when you need maximum muscle.

Builders of some of the world's most powerful equipment rely on DuraForce® Pumps, Motors and Valves for the muscle and precision they need for demanding applications. Other equipment builders choose DuraForce products for a simpler reason: the peace of mind that comes through reliable operation and extended machine life.

From construction, mining and material handling to agriculture, oil & gas drilling and process industries, the DuraForce name has come to mean best-in-class performance and rock-solid dependability.

DuraForce products include:

- HPR Series open circuit pumps: Combining 500 bar peak pressure, an innovative noise reduction solution and a broad controls selection, DuraForce HPR Series Pumps bring impressive product strengths to a wide variety of applications.
- HPV Series closed circuit pumps: DuraForce HPV Series Pumps offer 500 bar peak pressure with high precision and load independent control needed for inching large machines forward in tight spaces or powering drill heads to extreme depths.
- HMR, HMA and HMF Series fixed and variable motors: 500 bar peak pressure, compact packaging and consistent torque delivery are key characteristics of Eaton's rugged and complete line of DuraForce motors. Our broad portfolio of control options enables their use in a wide variety of open and closed circuit applications.
- DuraForce VT-Modular Valves: These highly configurable stack valves—featuring individual work circuit flow capability up to 600 liters/minute and 420 bar operating pressures—enable you to build complex systems that you can tailor to application demands and expand to support up to eight actuators.



Proven power. When you need it. Where you need it. How you need it.

- DuraForce pumps, motors and valves are the heart of your hydraulic system. Engineered for precision and power, they can take your machinery to new levels of efficiency and performance.
- Consistent, accurate power delivery helps operators get the job done faster.
- Efficient performance at peak pressures of 500 bar can meet the high-pressure needs of virtually any application.
- Legendary DuraForce toughness, combined with a long list of innovative design features, stands up to some of the harshest environments on earth.





Reducing design time, lowering costs.

Workers today expect and demand more from their machines than ever. Heavy-duty machine builders know they can count on Eaton engineers and Eaton manufacturing for rapid and reliable support in meeting growing demands for more power and more productivity.

- DuraForce products are designed to pack as much power as possible into the smallest space to fit into today's Tier IV compliant machines.
- Eaton's application engineering team is available to help optimize your system design, develop prototypes and commission initial machines to help you reduce your time to market.
- DuraForce control options can improve an OEM's time to market by leveraging Eaton's engineering team to develop out-of-the-box solutions based on proven engineering practices.

Robust, integrated designs help maximize uptime.

DuraForce pumps, motors and valves are much more than just a collection of superior features. They are complete engineered systems working together.

- Advanced axial piston technology provides predictable and stable torque performance in motor applications.
- Maximum life under extreme duty cycles help ensure years of reliable performance.

Productivity powerhouses.

Time is money. The faster and more efficiently your machines operate, the faster your customers can finish the job.

DuraForce pumps, motors and valves help ensure:

- A stable work platform—even in extreme low speed and high pressure situations.
- Greater torque capacity, which improves power output and maximizes operating efficiency.
- Equipment builders around the world count on DuraForce pumps, motors and valves to muscle the loads, scale the heights and do some of the heaviest lifting on earth.

Contact your Eaton sales representative today or visit www.eaton.com/hydraulics to learn more.

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