

ELECTROHYDROSTATIC ACTUATION SYSTEM

Energy Efficient, High Force and Compact Alternative to Traditional Actuation Systems



Electrohydrostatic Actuation Systems (EAS) allow industrial machine builders to leverage a compact alternative to traditional hydraulic or electromechanical actuation systems for applications with high force requirements.

The EAS is a modular actuation system comprised of a Electrohydrostatic Pump Unit (EPU), Servo Drive (MSD) and manifold. Adding a cylinder as part of the system is also a common option. Moog's global engineering teams help customers select and integrate these building blocks into a highly customized system that serves unique application requirements across diverse industries.

The heart of the system is the Moog EPU that combines the benefits of both electric and hydraulic actuation in a self-contained product and enables the system to deliver a higher energy efficiency and environmental cleanliness.

Additionally, the EAS eliminates the need for a Hydraulic Power Unit (HPU) and complex piping required for traditional hydraulic systems, reducing the number of the components and the overall machine footprint.

Machine builders can deploy the Moog EAS and its decentralized actuation system easily as it is pre-assembled and pre-tested at the factory, therefore saving installation and commissioning resources, as well as on the ongoing maintenance costs.

ADVANTAGES

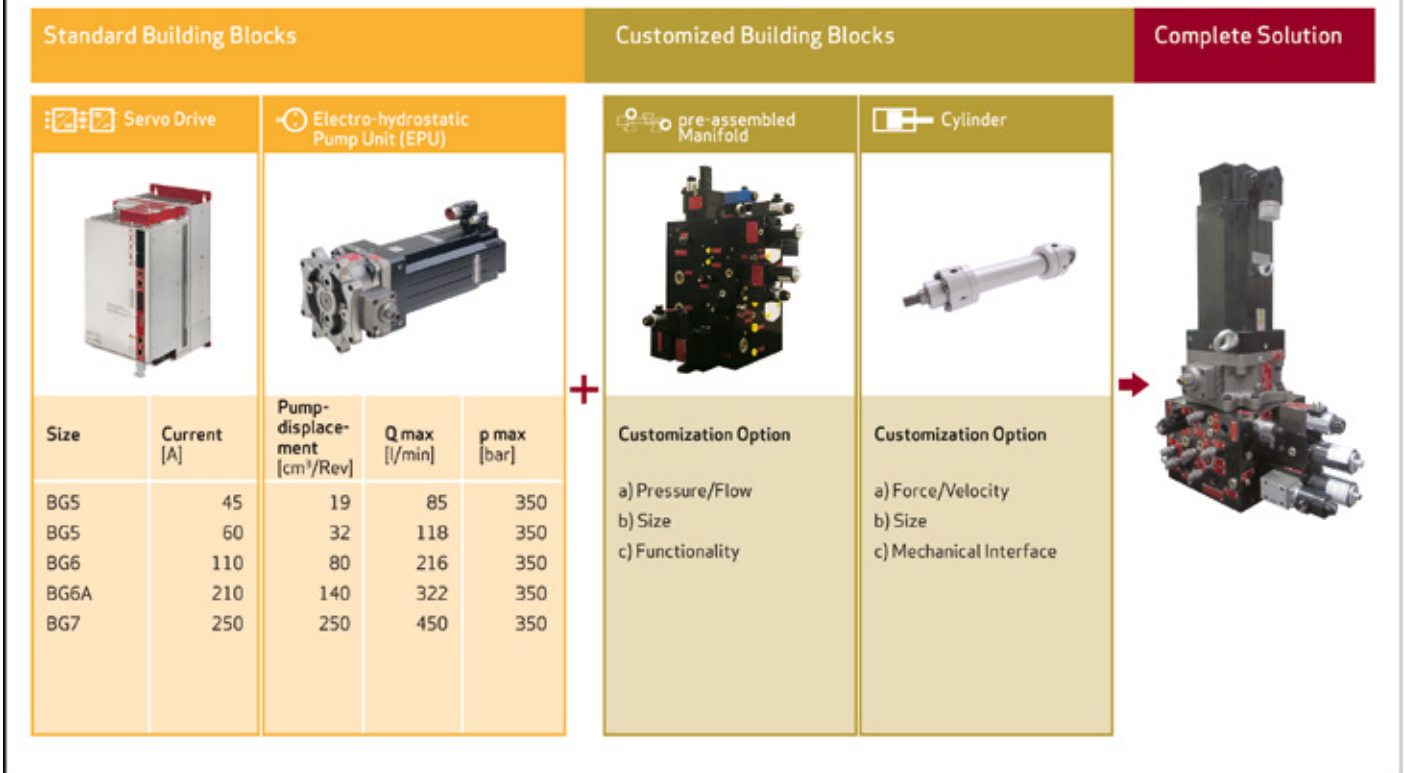
- Decentralized drive system eliminates need for HPU, lowering maintenance cost and total cost of ownership
- High force capability enables increased productivity
- Compact design reduces need for hydraulic infrastructure and decreases machine footprint

APPLICATIONS

- Metal Forming and Presses
- Heavy Industry Equipment
- Gas and Steam Turbines
- Pitch Control Systems
- Marine
- Injection Molding and Die-Casting Machinery



Flexible Integration Options with Building Blocks



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For product information, visit
www.moog.com/industrial

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www.moogglobalsupport.com

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