

Electrohydraulic actuator with high power density

Compact-Linear-Actuator Series CLA

Smart solutions at the level of system architecture

The New Plug-And-Run Design

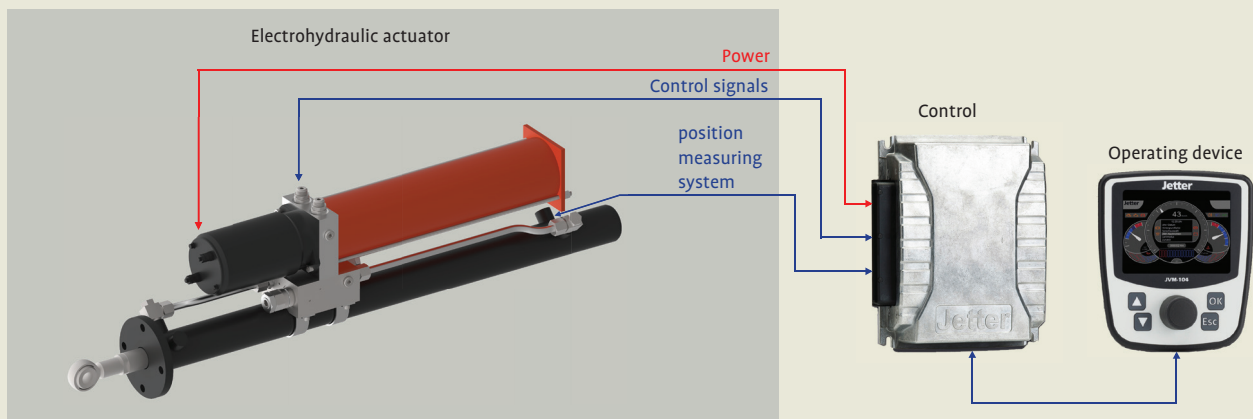
Electrohydraulic actuator with high power density

Actuators are characterized by simple applications in many areas of industrial and mobile applications. The CLA electrohydraulic actuator is a completely closed unit that allows higher power density and overload protection. It can be used instead of the mechanical spindle drive for higher forces.

The combination of hydraulics as a closed unit in conjunction with the controller allows the operator easy and quick commissioning. On the optionally available control unit (calibrated to the controller) specific settings are possible without interfering with the overall system.

The hydraulic characteristics are already programmed in the firmware.

The hydraulic, current-controlled drive is completely filled with the ideal medium and is vented, allowing it to be installed on the system without further intervention. Thanks to its simple plug-and-run functionality, the CLA series is a perfect solution for applications where other mechanical linear actuators do not provide the required values such as force, speed and stroke.



Advantages

- Highly efficient system thanks to „Power on Demand“ current-control
- Completely closed system filled with the appropriate medium, ready for installation
- No hydraulic lines
- Controller with specific firmware (optional)
- Standardized CAN, USB, LIN, RS232 interfaces available
- Easy to integrate into a complete system

Possible application examples

- **Marine** Aerial platforms, hatches, gates, actuators on yachts
- **Conveyor technology** Pallet stackers, elevating tables, scissor lifts, assembly equipment for aircraft maintenance
- **Trucks, off-road vehicles** Tailgate locks, accessory equipment, trailer dump trucks
- **Safety** Door opening systems, vehicle additions
- **Construction vehicles** Locking device for accessory equipment, bucket levelling for skid steer loaders, plough-shield positioning
- **Renewable Energy** Solar panel positioning, pitch adjustment and locking device for wind turbines
- **Agricultural Engineering** Regulation of charging device, spray boom, levelling

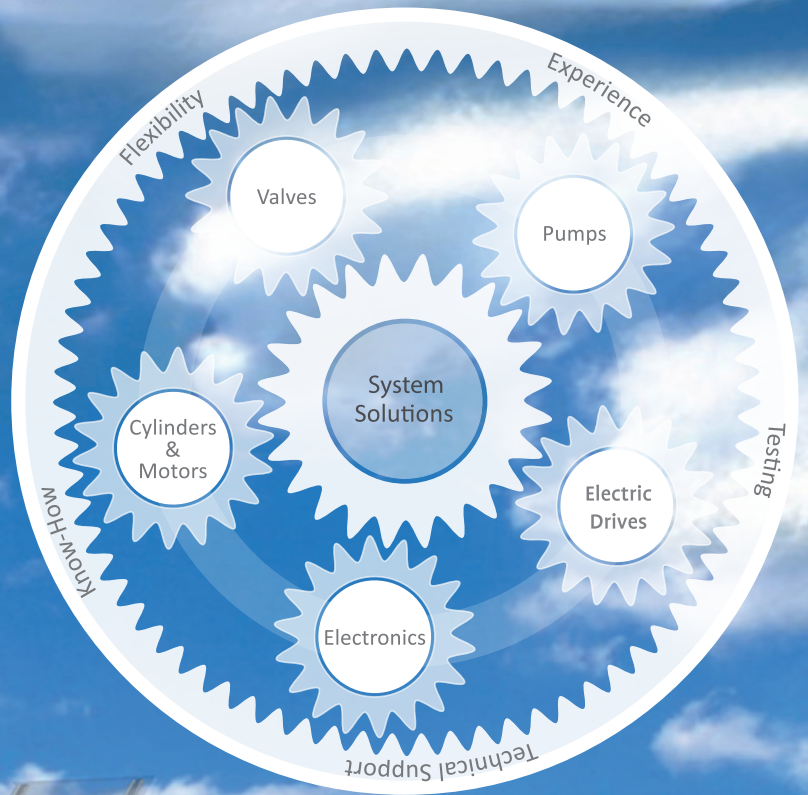
Features of the CLA series

- Compact linear drive based on established standard components in modular design
- Closed, factory-filled system facilitates on-site commissioning
- Plug-and-Run design
- Application-specific features and setting parameters already included in the optional firmware
- 4-quadrant reversible pump
- Control block with pressure relief and load holding valves
- Single- or double-acting hydraulic system possible
- 24 VDC motor / 800 W combined with a compact controller
- Cylinder with integrated stroke-measurement system
- Hydraulic cylinders available with different connection types
- Two parallel actuators can be synchronized in master-slave operation with the same controller
- For applications in short-time operation

Benchmark technical data

Force	Pressure force up to max. 25 kN Traction up to max. 13 kN
Velocity	Up to max. 50 mm/s
Nominal electrical power	800 W
Cylinder stroke	Nominal range from 250...1000 mm
Controller	JCM 511 (Jetter)
Positioning measuring system	Depending on the required positioning accuracy
Positioning accuracy	± 1 mm (standard)
Ambient temperature	-20° C to +40° C
Protection Type	IP 54 (others on request)

The above figures are benchmark technical data: the individually agreed specifications are decisive.



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If you have any further questions,
please don't hesitate to contact us.

Bucher Hydraulics AG
Industriestrasse 15
CH-6345 Neuheim
Phone: +41 41 757 03 33
info.ch@bucherhydraulics.com
www.bucherhydraulics.com