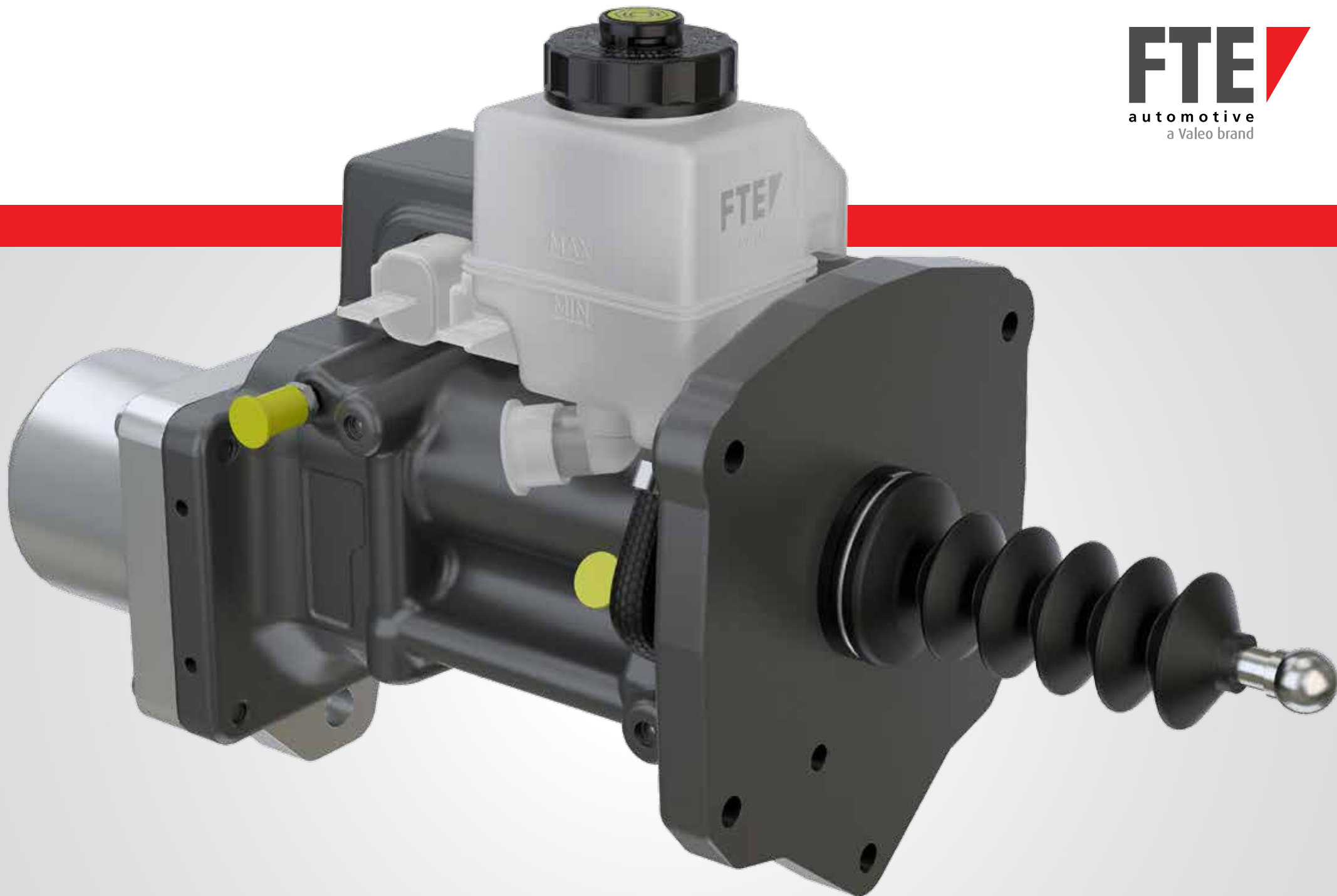


FTE 
automotive
a Valeo brand



Electro-Hydraulic Clutch Actuator for Trucks

We have added an innovative, high-tech product to its already-extensive range of hydraulic systems for brakes and clutches: The electro-hydraulic clutch actuator (EHCA) for trucks is the perfect replacement for the original actuator.

Automated gear-changing systems for trucks are based on a conventional mechanical gearbox but eliminate the clutch pedal. The EHCA which was developed by us plays an important role in this. As a compact plug & play unit it takes the place of the master/slave cylinder and the clutch pedal. It automatically opens and closes the clutch.

✔ Superior to pneumatic systems:

No clutch pedal, better fuel efficiency, lower CO2 emissions, and less work for the driver.

✔ Designed for highly dynamic, precise clutch control in commercial vehicles.

✔ Highly precise maneuvering, easier docking, safer uphill driving.

✔ Combines mechanical and hydraulic action with sensors and electronics.

✔ Manufactured to the same high standards of quality as the original equipment.

We have completely designed the actuator and developed its electronics and software, and also produces its aluminum and rubber parts.

A Replacement Unit Featuring OEM Quality Outstanding Performance – Easy to Install, Connect, and Replace

The electronic control unit operates the actuator using CAN signals. Deviations from required operating values generate error codes. If these deviations are severe enough, a warning is flashed telling the driver to head for a repair shop. The problem is analysed there

using a vehicle diagnostic system. If the actuator has to be replaced, it's very easy to exchange the entire EHCA unit. It comes pre-filled with brake fluid, so it's only necessary to mechanically re-engage the actuator and plug in the electrical connections.

TECHNICAL DATA

Operating medium	Brake fluid
Max. operating force	6250 N
Weight	8.0 kg
L x W x H	330 x 160 x 265 mm
Ambient temperature	-40 °C to +110 °C
Communication interface	CAN
Operating voltage	16 – 32 V
Nominal power consumption	350 W
Warranty	24 months

Detailed technical information available from our hotline, TecDoc, and www.fte.de

