

# Jungheinrich Electric Four-Wheel Counterbalance Truck Capacity 3,000 lb

## EFG-V ac 16



- **3 phase AC high performance truck with fully enclosed 2-motor front wheel drive**
- **“LISA” with five individually adjustable drive programs**
- **Cushion mounted cab**
- **Maintenance-free laminated brakes**

**Application:** A compact design gives high maneuverability to ensure high performance in confined spaces. Long wheel base ensures good straight ahead travel even on uneven terrain. Electric drive creates a healthier non-exhaust, low noise environment ideal for indoor and outdoor use. The 2-motor front wheel drive ensures the highest traction on smooth floors and uphill gradients.

**Driver's Cab:** A low step-up, high visibility cab with ample leg room, adjustable steering column, 3-way adjustable comfort seat, and conveniently located hydraulic control levers for lifting/lowering, mast tilt, drive direction and horn provides the operator with the highest ergonomic comforts. A cushion mounted chassis eliminates most vibrations to the cab and the components.

**Instruments:** The display and setting device LISA (LC Information and Service Display) features a digital hour meter, a steer-wheel direction indicator, and a battery discharge indicator with lift interrupt. LISA has five separate drive programs that allow the driver to adjust controls for desired applications. Furthermore, LISA warns the driver on its display and executes chronological diagnostics for the service technician.

**Travel Drive:** 2-motor front wheel drive. The compact drive units, comprising of motor, planetary/spur gear units, laminated brake and wheel are separately connected to the chassis.

**Motors:** Two 4-kW drive motors (60-min rating), one 14-kW lift motor as well as one 0.8 kW steering motor. Fully enclosed 3 phase AC asynchronous motors with high degree of efficiency – maintenance free for life. Standard temperature control with excess temperature display (LISA). 2 year warranty.

**Travel-, Lifting- and Steering Control:** Standard micro processor controlled travel and hydraulics impulse control. The MOSFET technology of the power transistors ensures high efficiency, Data transmitted by CAN-Bus system for interference-protected communication between the electrical components. The drive control permits sensitive starting, powerful acceleration and sensitively controlled electric motor braking with energy reclaim. The hydraulic control permits sensitive lifting, precise positioning and energy optimised working of the lifting hydraulics and hydrostatic steering.

**Wheels:** Superelastic tires are standard, nonmarking SE, pneumatic or solid tires are available as options.

**Steering:** Energy saving hydrostatic steering with power on demand steering motor. High maneuverability through electronic differential. Adjustable steering wheel, arranged off center on the left for maximum comfort.

**Brake:** Two independent braking systems upon the front wheels.

Operating brake: Foot operated hydraulic

laminated brake, running wear-free in oil bath. Additional electric motor brake with high braking torque.

Parking brake: Hand operated cable brake with operating warning light.

**Hydraulics:** Low noise pumps for steering, lifting, lowering, tilting and auxiliary functions. Sensitive operation through hydraulic control with MOSFET technology. Lowering brake valves limit the lowering speed of the load even in the case of a broken hose. Pressure limiting valve protects against excess pressure and overloading.

**Mast:** Stationary and inner moving mast made of wear resistant steel. The carriage moves on permanently lubricated rollers. Any lateral load pressure is absorbed by angled rollers. The lift cylinder is arranged behind the slender mast sections that provide excellent visibility of the forks and the load at any lift height. In addition, the truck features an integrated side-shifter for lateral alignment into a pallet.

**Chassis:** Chassis in torsion resistant mono-coque design. Battery cover, side panels, valve cover and floor plate can be opened or detached easily.

**Options:** Special designs and attachments are available. For instance, MULTI-PILOT hydraulic lever for all hydraulic functions, load guard, sideshift, weather protection cabs.

**Safety:** The trucks conform to the EU Directive CE and ANSI B56.1.



ISO-9001, ISO-14001-  
Certification of the Quality and  
Environment Management

 **JUNGHEINRICH**

