

DYNAMIC & CONVENIENT



FORKLIFT

XCF1612E

Product Specifications

OVERALL WEIGHT
25,800 kg

RATED CAPACITY
16,000 kg

MAX. LIFTING HEIGHT
4,000 mm

BATTERY
CATL

STANDARD EQUIPMENT

- **CAB:** The integrated design of driving and operating functions makes the appearance simple and dynamic. Panoramic, low Instrument panel and ergonomically designed inner space bring wide field of vision and comfortable experience. Equipped with large screen display, the machine is easy to use. The electric auxiliary hydraulic drive tipping system makes the internal maintenance convenient and fast.
- **BATTERY:** CATL lithium iron phosphate battery. Total installed energy 141/175kwh, 540-650V high voltage, high energy density and long service life with CPT technology. It is widely used in new energy products.
- **MOTOR:** DANA TM4 permanent magnet synchronous motor and electric control. Drive motor electric control model MDHV3000&CO200, max. power 235kW, max. speed 3000rpm, max. torque 3100Nm.
- **AXLE:** American DANA heavy-duty drive axle, model ES144, wet multi-disc travel brake. The system is fully enclosed and maintenance-free: able to cope with heavy working conditions with high reliability.
- **TIRES:** 6 diagonal tires, with large bearing capacity and special heavy forklift pattern, are suitable for various working conditions of counterweight forklift products. Tire specifications: 12.00-20-24PR.
- **SUSPENSION:** Front axle is rigidly connected with frame for high stability while driving with a container suspended. Rear axle is hinged with frame for buffering road shock through the hinged mechanism.
- **STEERING:** Rear axle full hydraulic power steering, steering light and reliable. The minimum turning radius is 4750mm.
- **BRAKES:** Service brake: wet disc brake, acting on the front wheels. Automatic braking is available in case of lower system pressure. Parking brake: spring-loaded brake and hydraulic-released independent disc brake, acting on the front axle.
- **AIR CONDITIONER:** High power, automatic cooling and heating air conditioning.
- **HYDRAULIC SYSTEM:** The load sensitive hydraulic system of variable pump not only ensures the rapid lifting requirements during loading and unloading operation, but also reduces the continuous load of engine from the source, which is truly efficient and energy-saving.
- **ELECTRIC SYSTEM:** DC 24 V, negative ground, 2 batteries. Utilising the CANBUS bus control, the system is stable and safe. Fault display and convenient diagnostic instrument socket greatly simplifies repairs and maintenance.
- **FRAME:** Frame is made of fine grain high tension steel, with anti-torsion large cross-section and a strong carrying capacity. Finite element analysis and a zero order design optimisation method is adopted for key structures to ensure the strength and stiffness of structural members.
- **MAST:** The telescopic mast with wide field of vision adopts an anti twist design, which has good operation performance, strong anti-twist ability and excellent vision.
- **FORK:** High strength forged fork. The fork movement is driven by an oil cylinder, with the function of side shift adjusting distance.



☎ 1300 BROOKS (276 657)

@ sales@brooksequipment.com.au

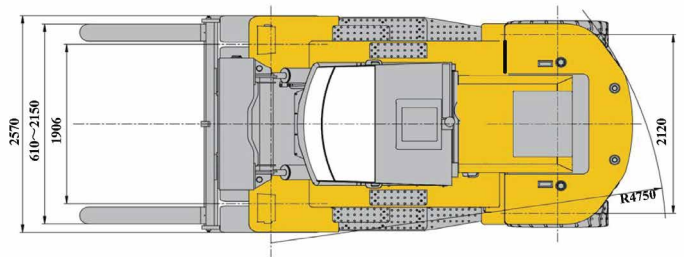
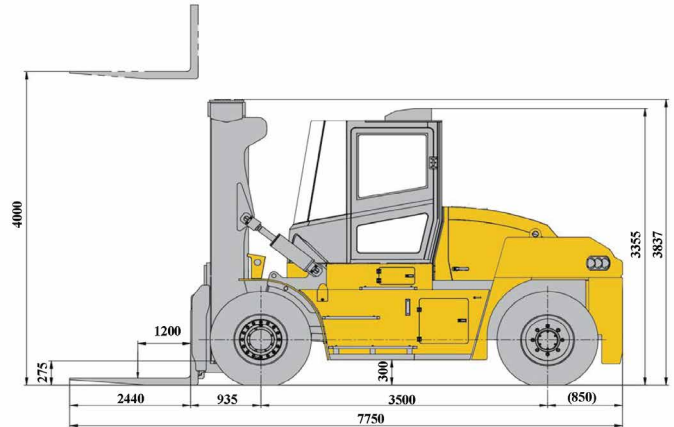
🌐 www.brooksequipment.com.au

KEY SPECIFICATIONS

Rated lifting capacity	16000 kg
Overall length	7750 mm
Overall width (Wheel)	2570 mm
Overall width (Frame)	2600 mm
Overall height (Min. mast height)	3837 mm
Overall height (Cab height)	3355 mm
Overall height (Max. mast height)	5807 mm
Wheel base	3500 mm
Front overhang	935 mm
Track (Front)	1906 mm
Track (Rear)	2120 mm
Min. ground clearance (Under mast unloaded/ rated load)	275 mm
Min. ground clearance (Middle of tuck unloaded/ rated load)	310 mm
Max. lifting height	4000 mm
Mast tilting (Forwards/backwards)	6/12°
Dead weight	25800 kg
Max. lifting speed (Unloaded)	415 mm/s
Max. lifting speed (rated load)	370 mm/s
Max. lowering speed (Unloaded)	410 mm/s
Max. lowering speed (Rated load)	410 mm/s
Min. turning radius	4750 mm
Travelling speed (Unloaded)	28 km/h
Travelling speed (Rated load)	26 km/h
Max. gradeability	20%
Max. drawbar pull (rated load)	105 kN

DIMENSIONS

Fork length A/mm	2440
Load centre D/mm	1200
Overall length L1/mm	7750



☎ 1300 BROOKS (276 657)

@ sales@brooksequipment.com.au

🌐 www.brooksequipment.com.au