

# SIMPLE & DYNAMIC



## FORKLIFT

# XCF3212K

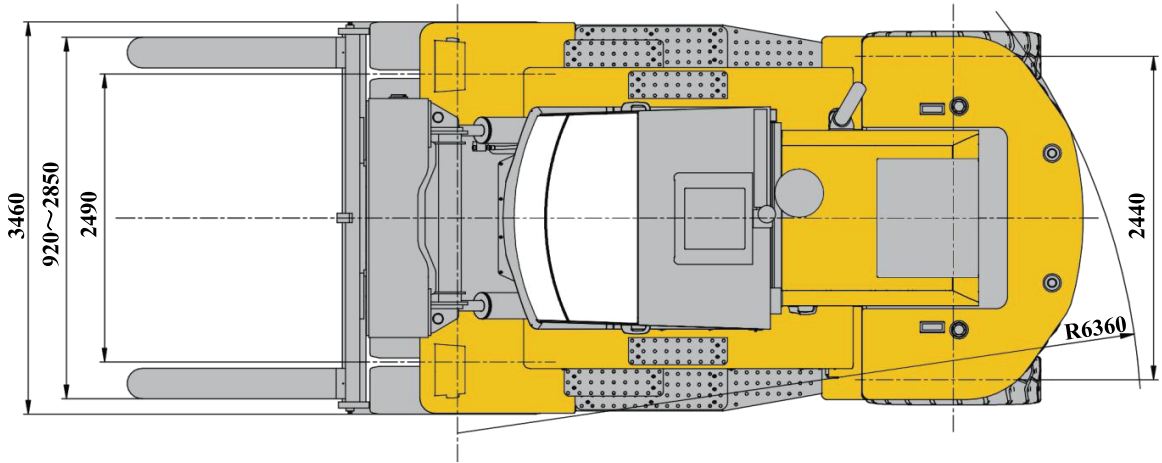
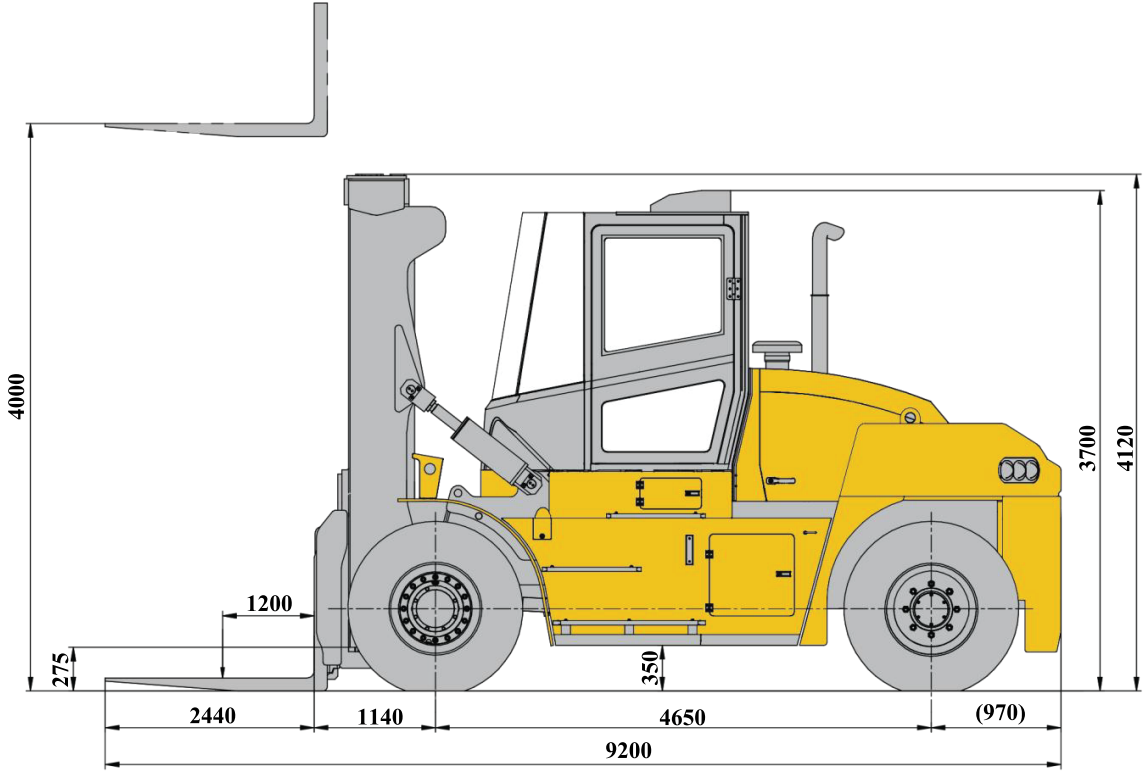
Product Specifications

LIFTING CAPACITY  
**32,000 kg**

TRAVEL SPEED  
**24 km/h**

OVERALL LENGTH  
**9,200 mm**

ENGINE  
**QSL8.9**



Product model	A/mm	D/mm	L1/mm
XCF3212K	2440	1200	9200



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## 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.

### Engine

QSL8.9, inline six-cylinder water-cooled turbo-charged electric-control diesel engine, manufactured by Cummins;

Rated power 194kW/2200r/min, max. Torque 1200Nm/1500r/min;

Emission compliance: compliant with off-road U.S. EPA Tier 3/EU Stage IIIA.

### Transmission

TE series automatic transmission (with manual shift) manufactured by DANA America, with 3 forward and 3 reverse gears available.

The speed control valve is a proportional control valve, which is easy to operate. The speed control and micro valve control adopt electronic control is adopted for the micro-valve control, which makes the driving and heavy load micro control of forklift more accurate.

### Drive Axle

D81, German KESSLER heavy duty drive axle. Equipped with a wet multi-disc travel brake, the system is fully enclosed and maintenance-free, which can adequately cope with heavy working conditions and bring high reliability and easy maintenance.

### 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: 16.00-25-32PR.

### Suspensions

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.

### 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.

### Steering

Rear axle full hydraulic power steering, steering light and reliable. The minimum turning radius is 6360 mm.

### A/C

High power, automatic cooling and heating air conditioning.

### Mast

The telescopic mast with wide field of vision adopts anti twist design, which has good operation performance, strong anti twist ability and excellent vision.



## STANDARD EQUIPMENT

### 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. Adopted international famous brand products, the components of system are mature and stable.

### Electric System

DC 24 V, negative ground, 2 batteries. There are headlamps, reverse lamp and turn lamps available in lighting system. Due to the CANBUS bus control, the system is stable and safe. Fault display and convenient diagnostic instrument socket greatly simplify the repair and maintenance.

### Frame

Frame is made of fine grain high tension steel, with anti-torsion large cross-section, strong carrying capacity. Finite element analysis and zero order design optimization method adopted for key structures ensure the strength and stiffness of structural members.

### Fork

High strength forged fork. Side shift distance fork, for movement is driven by oil cylinder, with the function of side shift adjusting distance.

## ADDITIONAL EQUIPMENT

### Reverse Image

The rear HD image can be seen on the driver's indoor display through the camera mounted on the rear of the vehicle.

### Reversing Radar

The sensor installed at the rear of the vehicle will alarm when there is an obstacle behind it.

### Weighing System

The load is measured by detecting the hydraulic pressure.

### Driving OPS

The vehicle will automatically cut off the power without driving action, when the operator leaves the seat.

### Lifting OPS

When the OPS operator of the mast leaves the seat, the mast does not move.



## KEY SPECIFICATIONS

Rated Lifting Capacity	32,000 kg
Weight unloaded	43,000 kg
Unloaded (front axle)	19,350 kg
Unloaded (rear axle)	23,650 kg
Weight rated load	75,000 kg
Rated Load (front axle)	67,500 kg
Rated load (rear axle)	7,500 kg
Lifting speed (unloaded   rated load)	310 mm/s   280 mm/s
Lowering speed (unloaded   rated load)	300 mm/s   300 mm/s
Travel speed (unloaded   rated load)	24 km/h   22 km/h

### Fork Specifications

Length	2,440 mm
Width	300 mm
Height	115 mm

### Lifting Capacity

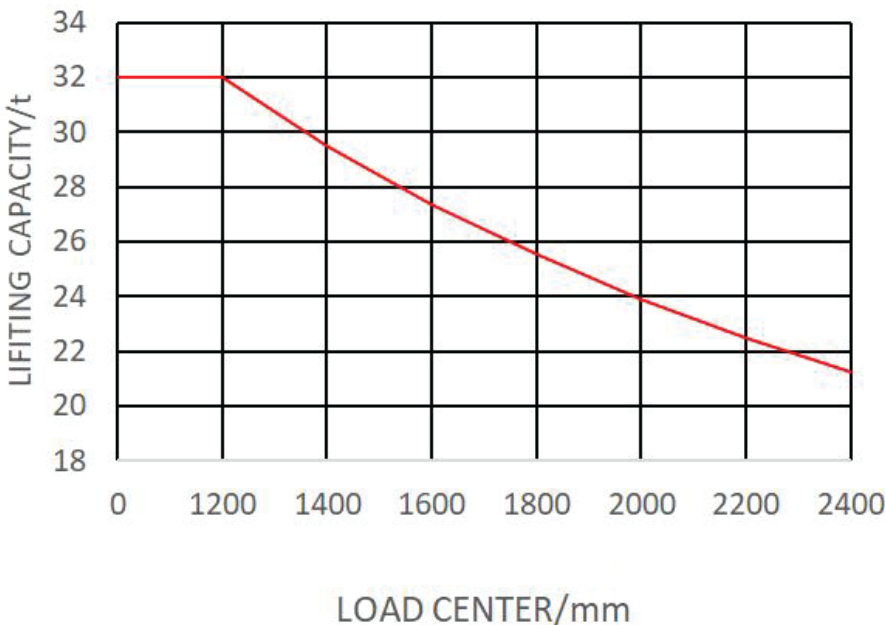
Rated Lifting Capacity	32,000 kg
Load Centre	1,200 mm
Max. Lifting Height	4,000 mm

Overall length	9,200 mm
Overall width	3,460 mm

### Overall Height

Min. mast height	4,120 mm
Cab height	3,700 mm
Max. mast height	6,120 mm
Wheelbase	4,650 mm
Front overhang	1,140 mm
Track (front)	2,490 mm
Track (rear)	2,440 mm
Min. Ground clearance	275 mm

Engine	QSL8.9
Transmission	DANA TE
Drive Axle	Kessler D91
Cab	XCF 1606K.03
Main Pump	P1
Main Valve	K220
Steering Gear	530



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