

XF Series

In the new XF Series, Hangcha brought together the experience of more than 30 years building forklifts and the latest forklift technologies, the result is superior in efficiency, environmental friendliness, comfortable operation, reliability, safety. The XF Series, produced from careful research and development, represent a true solution to needs from environment, operator and owner.



Simple, Solid, Smart



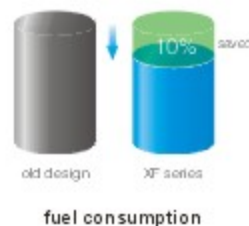
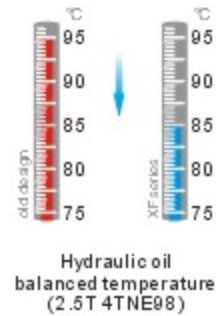
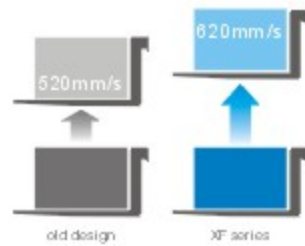
Productivity

Dynamic load sensing hydraulic steering system, Efficiency lighting system, lower fuel consumption, combine to provide increased productivity and reduced operating costs.

The new Dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic and improve energy efficiency.

The new efficiency lighting system employs LED illuminant and new type reflector to reduce energy consumption, improve significantly illumination performance and prolong work time.

By optimizing transmission design, the power train provides higher efficiency. The fuel consumption is reduced by 10%.



Environmental Friendliness

A lineup of powerful and clean engines and environment friendly materials help to reduce the output of undesirable substances over the lifetime of the truck, while creating a cleaner work environment.

Each model employs a specially developed engine for the optimum balance of power and superior environmental performance. All engines are in compliance with EU stage-III control regulation.

The environment friendly materials, such as non-asbestos brake shoe and new type sealing gasket, are adopted entirely to pursue environmental safety.



Comfortable operation

In developing the new XF Series, comfort and ease of operation is carefully considered, for example, to improve vibration levels, compound engine damper and full floating power train are adopted. Comfortable operating environments for operator also contribute to increased productivity.

In addition to rubber damper between frames and steering axle, compound engine damper and full floating power train achieve flexible connection between frames and driving system, as a result, traveling vibrations and vibrations from the driving system are significantly reduced.

The enlarged capacity of optimized exhaust muffler, the intake muffler and the noise shield technologies provide significantly lower noise levels.

- 1 The new, relocated easy-to-see LCD meter lets the operator check on all aspects of operational status at a glance.
- 2 The new automobile-style light/turn-signal lever and forward-reverse lever are ergonomically designed and arranged to improve comfort and productivity.
- 3 The small diameter steering wheel with tilt adjustment provides the ideal operating position. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.
- 4 The parking brake is specially developed. The operational force is reduced by 30%.
- 5 The automobile-style suspended pedals provide more ergonomic operation.





Comfortable operation

- 1 The extra foot space is provided to reduce operator fatigue significantly. The new wide-open, non-slip step makes getting in and out easy and safe.

The optional Electro-hydraulic proportional control system contributes more sensitive and precise load handling. The easy-to-operate levers provide total load handling operation. An armrest is provided to reduce fatigue.

- 2 In addition to the soft landing system, the soft lifting system is adopted (front lifting cylinders of triplex mast and full free duplex mast), as a result, the noise and shock of the mast significantly decreases.

- 3 The developed front lifting cylinders with smaller outer diameter give the operator superior forward visibility.

The double front lifting cylinders provide better forward visibility.



Reliability

By focusing on enhancing reliability, reducing downtime, the XF series is able to make the greater productivity for customer.

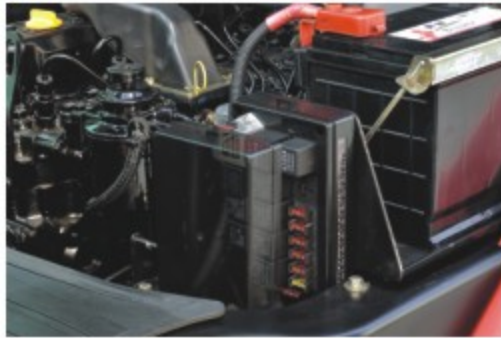
The new aluminum alloy transmission with full floating structure features excellent heat dissipation capability, more and thicker disc meet the most demanding applications.

XF series features rugged design, stamped frame and engine hood, stamped instrument panel and head guard, heavy profile rail mast combine to provide excellent rigidity, which ensures outstanding reliability even in heavy-duty work.

- 4 Extra capacity combined radiator with serpentine wave and optimized heat dissipation channel enhance the heat dissipation capability to keep engine reliability even in heavy-duty applications.



The new vehicle controller integrates all electrical components, features excellent durability for temperature, water and vibration for most demanding operation.



The new stamped air cleaner featuring tangential intake, double seal with safety filter is durable, corrosion-free and vibration-resistant, provides better filter efficiency and lower intake resistance than the previous.



Easy maintenance

Careful design facilitates inspection and servicing. Easy maintenance reduces the amount of downtime and helps to reduce cost also.

The cover on the Panel can be lifted up simply to check the brake fluid.

The easy-to-operate latch provides quick access to the engine compartment.

The two-piece design makes the floorboard easy to lift and remove for access to the power train.

The fasteners of the radiator cover can be turned easily by hand to enable quick inspections or servicing.



Safety

A wide range of technologies are applied to ensure absolute safety for both the operator and those in the surrounding.

An optional rear-pillar assist grip with a horn button enhances safety of operator while traveling in reverse.

The locking device of the engine hood damper and parking brake help add to safety.



- 1 The operator presence sensing system incorporates lifting/tilting and traveling locking function. When the operator leaves the seat, the system automatically locks lifting / tilting and disables traveling to ensure safety.
- 2 A throttling device is adopted to avoid the mast being out of control even some pipes are broken.



Standards

Transmission	Steering	Chassis	Control	Hydraulic
Suspended transmission Oil filter Dipstick Oil cooler Non-asbestos brake	Full hydraulic power steering Smaller diameter steering wheel Adjuster of steering wheel	Skidproof pedal Rubber pedal Engine hood spring	Power steering Suspension pedal Integrated combination switch Cable parking brake	Dynamic load sending control valve (Diesel IC) Hydraulic oil filter Tilt cylinder self-locking valve Hydraulic oil dipstick
Truck	Power	Electronics	Mast	
Traction device Handhilds Standard seat Standard overhead guard Waterproof cover on the guard Back view mirror Pneumatic tyres Toolbox	Big capacity aluminum radiator Little tank Whirlwind air cleaner Safety filter High-efficient intake muffler High-efficient exhaust muffler Upright exhaust pipe	High-efficient front lights High-efficient LED rear lights Service-free start battery Combination controller LCD display Neutral switch Timee meter Fuel gauge Water temperature gauge Pre-heat indicator charging indicator Engine fuel pressure warning Transmission oil pressure warning Horn Reversing buzzer Power off	Standard wide view duplex mast Standard forks Standard fork carriage Standard load back rest Mast speed limiting valve load safety valve Mast down buffer device Mast up buffer device Side roller	

Options

Truck	Transmission	Power	Hydraulic	Electronics	Mast
Cabin Cabin heater Front window Super elastic tyre No-mark tyre (white/green) Suspension seat Extinguisher Cover of tilt cylinder Heightening overhead guard Reversing assist grip Special given color Seat with sensing system Boot for tilt cylinder Counter weight net	2-D wheel Wet brake system	Dual fuel LPG system Big capacity copper radiator Upright exhaust system Middle-positioned exhaust system Air pre-cleaner Net cover of radiator Sparkle arrester Purified exhaust system Swivel LPG bottle support Downward LPG bottle support Fan protector	Auxiliary hydraulic valve Electro-hydraulic proportional control system Return oil filter	OBD Front working light Rear working light Warning lamp Oil-water separator warning	Duplex wide view free-lift mast Triplex wide view free-lift mast Triplex wide view 4-cylinder free-lift mast Special forks Wider fork carriage Wider load back rest

Optional attachments

Paper roll clamp Rotating bale clamp Load stabilizer Multi-drum clamp Bale clamp Drum clamp Dumping clamp Crane arm String Pole	Side shifter Rotating forks Fork extensioner Load release device Carton clamp Push-pull device Bucket Hook Lengthened fork
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