



XF Series Diesel / LPG Pneumatic Tire Trucks

with capacities of 11,000 to 15,500lbs



HANGCHA

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Making Material Handling Easier
SINCE 1956



Simple
Smart
Solid



XF Series Pneumatic Tire Forklifts

Efficient, reliable solutions to meet your demands.

Over 40 years of building forklifts have culminated in the XF series from Hangcha Group. This experience, combined with the latest in forklift technology, the result is a line of forklifts that are efficient, comfortable, reliable, and safe. The XF Series represents the true do it all forklift from Hangcha Group.



Productivity

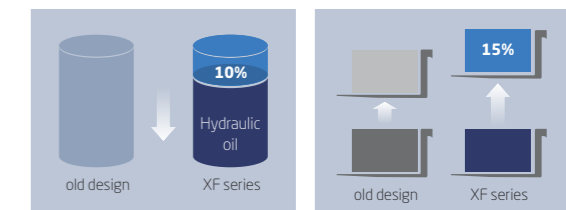
Thanks to a series of technological innovations, the efficiency of the truck is improved and the energy consumption is reduced.



By optimizing the transmission design, the maximum driving speed is increased by **20%**



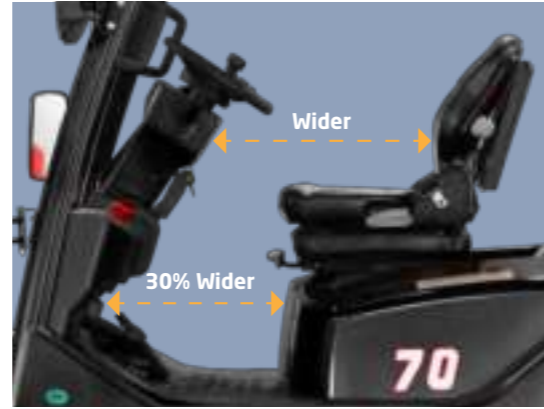
The new efficient lighting system uses LEDs and a new type of reflector to reduce energy consumption. This significantly improves illumination performance while also prolonging operation time.



The new dynamic load sensing hydraulic steering system requires 10% less hydraulic oil while providing a 15% increase in lifting speed.

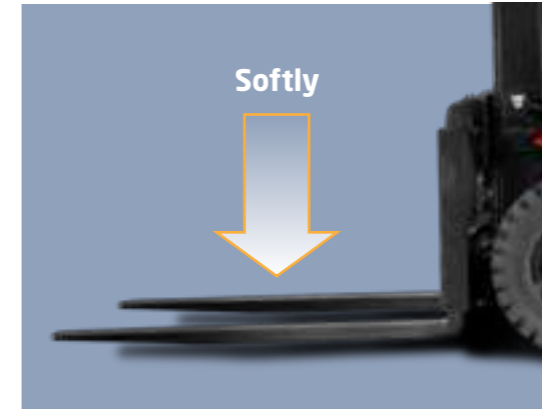
Operator Comfort

While developing the XF Series, comfort and ease of operation were carefully considered. The engineers decreased vibration levels by using a compound engine damper and full-floating seat and cabin. The forklift was made more comfortable because a comfortable operator leads to increased operational productivity.



The foot space is now 30% wider to significantly reduce operator fatigue. The new wide, non-slip step makes getting in and out of the forklift safe and easy.

The easy-to-operate levers provide total load handling operation. The armrest is provided to reduce fatigue. The optional electro-hydraulic proportional control system gives the forklift the ability to make load handling more sensitive and precise.



In addition to the soft landing system, the soft lifting system is adopted (front lifting cylinders of the full free lift 2 & 3 stage masts). As a result, the noise and shock of the mast significantly decrease when lowering materials.



The mast was redesigned to provide broad forward visibility. This was done by increasing the distance between the inside of the mast by 2.34".

Comfortable Operation

1. The new relocated, easy-to-see LCD instrument display lets the operator check on all aspects of operational status with a glance.
2. The new automobile-style light/turn-signal stalk and the forward-reverse lever are ergonomically designed and arranged to improve comfort and productivity.
3. The parking brake was developed to reduce the operational force by 30%.
4. The small diameter steering wheel, with tilt adjustment, provides an optimal driving position for the operator. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.
5. The automobile-style suspended pedals provide a more ergonomic, operator centered experience.



Reliability

By focusing on enhancing reliability and reducing downtime, the XF Series is able to increase productivity for the end-users.



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.



The brake and steering hydraulic systems are separated to prevent interference between each other. By using the dynamic load sensing steering system, the forklift is easier to operate and more energy efficient.



The patented plated-fin aluminum radiator is used to increase cooling and improved the forklifts capability in harsh, hot environments.





Dampening pads are placed where the chassis meets the steering axle, engine, torque converter, and the overhead guard. The suspension seat also comes standard. This is all included in the design to reduce the amount of vibration to the operator and increase operator comfort.



The chassis, mast, and front/rear axle designed to be strong. These components are also made with durable components. This is all done to increase the safety and reliability of the truck when for use in high strength applications.



The controllers, relays, and safety fuses are all placed in the dust and water-free controller box. The main electronic components are also all waterproof. This allows the operator to use the forklift in wet environments.

Easy Maintenance



Designed for easy inspection and servicing. The XF Series' quick and easy maintenance reduces downtime and operational costs.

The location of the air filter allows for easy reach and replacement when the filter needs to be changed.

The engine oil level dipstick, hydraulic filter, and water separator are easy to reach and allow for easy maintenance.

The gas spring support for the front cover of the radiator auto-opens when the rear cover of the radiator is opened.

Safety

A wide range of technology is applied to ensure absolute safety for both the operator and those in the vicinity.



There's an energy accumulator in the braking system. This allows for the brakes to continue to function after the engine is shut off.



There is a locking mechanism found on the engine hood, damper, and parking brake for the operator's safety.



1. The Operator Presence Sensing System (OPS) incorporates a lifting, tilting, and traveling stop function. When the operator leaves the seat, the system automatically locks the lifting/tilting functions and disables the forklift from traveling to ensure safety.
2. The throttling device locks the mast in place if there is a hydraulic failure. This adds to the operational safety of the truck.

11,000-15,500lb XF Series Mast:

Type	Model	Max. Fork Height in	Overall Height			Free Lift		Load Distance, Centre of Drive Axle to Fork in	Tilt Range FWD/BWD (°)	Capacity		
			Lowered in	Extended		Without Backrest in	With Backrest in			Load capacity at 24 in Double Tire		
				Without Backrest in	With Backrest in					11000lb		
										13500lb		
						15500lb						
Limited Free Lift 2 Stage Mast	X50/70M330	129.9	104.3	169.1/175.9	185.3	6.3	6.3	23.5/23.8	6/12	11000	13500	15500
	X50/70M360	141.7	110.2	180.9/187.7	197.1	6.3	6.3	23.5/23.8	6/12	11000	13500	15500
	X50/70M400	157.5	118.1	196.7/203.4	213	6.3	6.3	23.5/23.8	6/12	11000	13500	15500
	X50/70M450	177.1	130	216.5/223.1	232.6	6.3	6.3	23.5/23.8	6/6	11000	13500	15500
	X50/70M500	196.9	139.8	236.2/242.8	252.2	6.3	6.3	23.5/23.8	6/6	11000	13500	15500
	X50/70M550	216.5	151.6	257.9/262.5	272	6.3	6.3	23.5/23.8	3/6	10400	12500	14500
	X50/70M600	236.2	161.4	277.5/282.1	291.6	6.3	6.3	23.5/23.8	3/6	9800	11900	14100
Full Free Lift 2 Stage Mast	X50/70U300	118.1	96.5	155.7/162	162.9	58.9/52.6	51.7	24.5/25	6/12	11000	13500	15500
	X50/70U330	130	102.4	167.5/173.8	174.7	64.8/58.5	57.6	24.5/25	6/12	11000	13500	15500
	X50/70U360	141.7	108.3	179.3/185.6	186.5	70.7/64.4	63.5	24.5/25	6/12	11000	13500	15500
	X50/70U400	157.5	116.1	195.1/201.4	202.2	78.5/72.2	71.4	24.5/25	6/12	11000	13500	15500
Full Free Lift 3 Stage Mast	X50/70N450	177.2	107.3	225.8	232.6	59	52.3	26.3/26.5	6/6	9900	12300	14000
	X50/70N480	189	111.2	237.6	244.4	63	56.2	26.3/26.5	6/6	9901	12300	13800
	X50/70N500	196.9	113.2	244.6	252.2	65.8	58.2	26.3/26.5	6/6	9902	12100	13800
	X50/70N550	216.5	121.1	267.1	272	70.9	66.1	26.3/26.5	3/6	9200	11400	6100
	X50/70N600	236.2	127	284.8	291.6	78.7	72	26.3/26.5	3/6	8800	11000	12100

With sideshifter, subtract 1102lbs. With integral sideshifter, subtract 882lbs.

