

GLOBAL SALES NETWORK



XF Series

8.0/10.0t Diesel



CE CERTIFICATE



ISO14001

ISO14001: 2004



ISO9001

ISO9001: 2008

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Comfortable operation

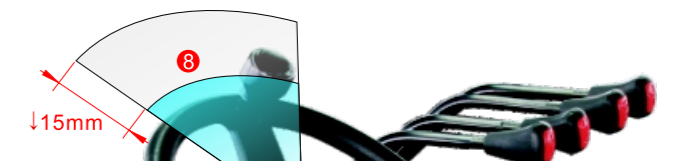
In developing the new XF 8-10t series, comfort and easy operation is always considered, for example, improved vibrating levels, compound engine damper and full floating seat and cabin are applied. Comfortable also contribute to increased productivity.

- 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 new design mast provides broad forward visibility due to outside located hydraulic pipes of fork positioner.
- ④ The patent plated-fin type aluminum radiator is applied, the heat exchanging is approved, and improves the capability for operation in severe environment.
- ⑤ There're four levels shock absorption applied to reduced the vibration from the road to the driver. The damping pad is applied reduce the vibration, like between the steering axle and the chassis, the engine, torque converter and the chassis, the overhead guard and the chassis. And the suspension seat is another vibration reduction.

- ⑥ The new, relocated easy-to-see LCD meter lets the operator check on all aspects of operational status at a glance.
- ⑦ The new automobile-style light/turn-signal lever and forward-reverse lever are ergonomically designed and arranged to improve comfort and productivity.
- ⑧ 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.
- ⑨ Only 90N parking brake force is required.
- ⑩ The automobile-style suspended pedals provide more ergonomic operation.



Environmental Friendliness

Environmentally friendly material, low exhaust emission, and low noise level, all these are considered at the beginning of the product development.

- 11 Special developed engine is applied for optimum balance of power and superior environmental performance. All diesel 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 meet environmental safety.



The applied optimized exhaust muffler, intake muffler and the noise shield technologies are reduced 3dB at the driver's ear noise level.



Productivity

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

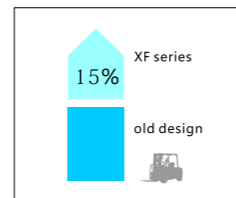
The new patent dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic, improve energy consumption and increase 15% lifting speed.

- 12 The new efficiency LED lighting system and new type reflector reduce energy consumption, improve illumination performance and prolong working life. By optimizing transmission design, the power train provides higher efficiency, and the Max. driving speed is increased 20%.

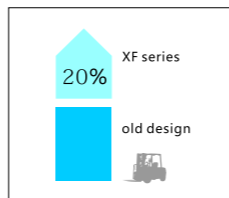
Reliability

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

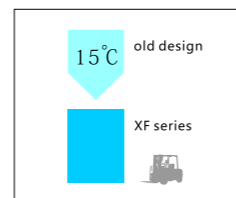
- 13 High strength chassis, mast and front/rear axle are to make sure the reliability of the truck, even for high strength application.
- 14 All the controllers, relays, and safety fuses are allocated in the controller box, free to water and dust. The main electronic components are waterproof, which is capable of operation in severe environment.
- 15 Add return oil filter of gearbox and multi-valve, improving the cleanliness of transmission and hydraulic oil.



Lifting speed



Travel speed



Hydraulic oil

- 16 The battery is located above the fuel tank, there're battery box and adiabatic plate between them to prolong the battery's working life.



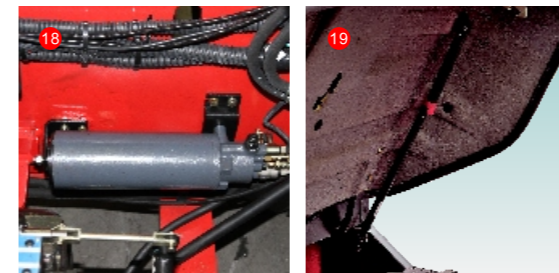
- 17 The new stamped air cleaner featuring tangential intake, double seal with safety filter is durable, corrosion-free and vibration-resistant, provides better filter efficiency and lower intake resistance than the previous.



Safety

A wide range of technologies are applied to ensure absolute safety for both the operator and those in the surrounding. Separating braking and steering circuit, no interference.

- 18 There's an energy accumulator applied in the braking system, which means when the engine is shut down, it can also provide more than 4 times emergency brake.
- 19 The locking device of the engine hood damper and parking brake help add to safety.



Easy maintenance

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

- 20 Brake drum is installed outside of wheel hub, easy to remove and install when we replace the brake shoes.
- 17 The location of the air-filter is easy to reach, and it's very easy to replace the filter.

All the locations of the engine oil level dipstick, filter of hydraulic, water separator are easy to reach, and very easy to check.

There's gas spring support for the front cover of radiator, and it can auto-open when the rear cover of radiator is opened.



- 21 The seat sensor 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.
- 22 A throttling device is adopted to avoid the mast being out of control even some pipes are broken.



Standards

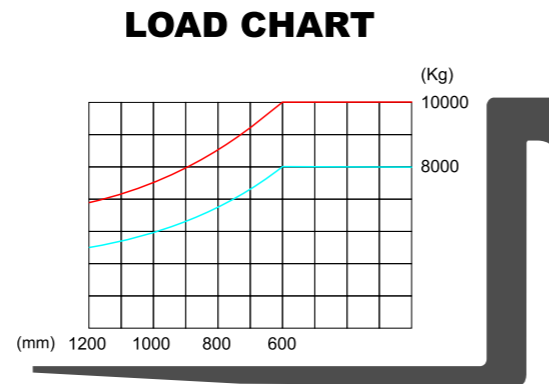
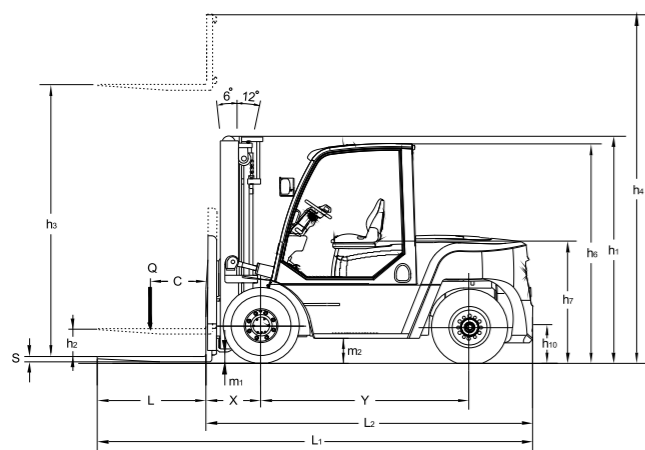
Transmission	Steering	Chassis	Control	Hydraulic
Suspension transmission Oil filter Dipstick Oil cooler Non-asbestos brake Drum brake	Full hydraulic power steering Smaller diameter steering wheel Adjuster of steering wheel Shock absorber of steering axle	Skidproof pedal Rubber pedal Engine hood spring	Power steering Suspension pedal Integrated combination switch Parking brake	Dynamic load sensing control valve Hydraulic oil filter Tilt cylinder self-lock valve Hydraulic oil dipstick Accumulator Hydraulic oil radiator
Truck	Power	Electronics		Mast
Traction device Hand grip Standard seat Floating overhead guard Waterproof cover on the guard Back view mirror Pneumatic tyres Toolbox	Big capacity aluminum radiator Whirlwind air cleaner Safety filter High-efficient intake muffler High-efficient exhaust muffler Middle-positioned exhaust system	High-efficient front lights High-efficient LED rear lights Service-free start battery Combination controller LCD display Neutral switch Hour meter Fuel gauge Water temperature gauge	Pre-heat indicator Charging indicator Engine fuel pressure warning Oil temperature Horn Reversing buzzer Air-filter with jam sensor Emergency power off	Standard wide view duplex mast Standard forks Standard fork carriage Load safety valve Mast speed limiting valve Mast down buffer device Mast up buffer device Side roller Fork positioner

Options

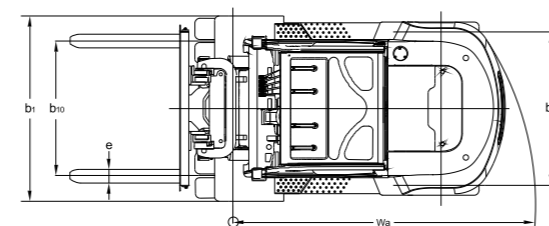
Truck	Transmission	Power	Hydraulic	Electronics	Mast
Floating cabin Cabin heater Front window Super elastic tyre Non-mark tyre(white/green) Suspension seat Extinguisher Special given color Boot for tilt cylinder Counter weight net Seat sensor system	Wet brake	Upright exhaust system Air pre-cleaner Net cover of radiator Spark arrester Purified exhaust system Fan protector	Auxiliary hydraulic valve Electro-hydraulic Proportional control system	OBD Front working light Rear working light Warning lamp	Duplex wide view free-lift mast Triplex wide view free-lift mast Special forks Wider fork carriage Wider load back rest

Optional attachments

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



DIMENSIONS



XF series 8.0-10.0t forklift specification:

		CPCD80-XW28	CPCD100-XW28	
Characteristics	1.1 Manufacturer	HANGCHA		
	1.2 Manufacturer's type designation	XF		
	1.3 Drive	Diesel		
	1.4 Operator type	Seat		
Weights	1.5 Load capacity	Q (kg) 8000	10000	
	1.6 Load centre distance	c (mm) 600		
	1.8 Load distance, centre of drive axle to fork	x (mm) 714	726	
Dimensions	1.9 Wheelbase	y (mm) 2500	2800	
	2.1 Service weight	kg 11300	13000	
	2.2 Axle loading, laden front/rear	kg 17330/1970	20940/2060	
	2.3 Axle loading, unladen front/rear	kg 4530/6770	6040/6960	
	Wheels/Tyres	3.1 Tyres	pneumatic	
		3.2 Tyre size, front	9.00-20-14PR	
		3.3 Tyre size, rear	9.00-20-14PR	
		3.5 Wheels, number front rear (x = driven wheels)	4x/2	
	Performance	3.6 Tread, front	b10 (mm) 1628	
		3.7 Tread, rear	b11 (mm) 1700	
		4.1 Tilt of mast	Grad 6/12	
		4.2 Height, mast lowered	h1 (mm) 2700	2850
4.3 Free lift		h2 (mm) 200		
4.4 Lift		h3 (mm) 3000		
4.5 Height, mast extended		h4 (mm) 4210	4555	
4.7 Height of overhead guard		h6 (mm) 2580		
4.8 Seat height		h7 (mm) 1505		
4.12 Coupling height		h10 (mm) 505		
4.19 Overall length		l1 (mm) 5404	5736	
4.20 Length to face of forks		l2 (mm) 3904	4236	
4.21 Overall width		b1 (mm) 2165		
4.22 Fork dimensions		s/e/l (mm) 75×160×1500	80×160×1500	
4.23 Fork carriage DIN 15173, class/type A, B		—		
Engine		4.24 Fork-carriage width	b3 (mm) 1950	
	4.31 Ground clearance, laden, below mast	m1 (mm) 250		
	4.32 Ground clearance, centre of wheelbase	m2 (mm) 339		
	4.33 Aisle width for pallets 1000×1200 wide*	Ast (mm) 5544	5826	
	4.34 Aisle width for pallets 800×1200 long*	Ast (mm) 5744	6026	
	4.35 Turning radius	Wa (mm) 3630	3940	
	4.36 Internal turning radius	b13 (mm) 1327	1396	
	5.1 Travel speed, unladen	km/h 32	31	
	5.2 Lift speed, laden	mm/s 440	330	
	5.3 Lowering speed, laden	mm/s 455		
	5.5 Drawbar pull, laden/unladen	N 65000/45000	65000/49000	
	Other	5.7 Gradeability, laden	26	22
5.8 Service brake		Hydraulic		
7.1 Engine manufacturer/type		Cummins QSB4.5		
7.2 Engine standard		EU Stage III A		
Other	7.3 Engine power acc. to ISO 1585	kW 82		
	7.4 Rated speed	rpm 2200		
	7.4 No. of cylinders/displacement	cm ³ 4/4500		
	8.2 Operating pressure for attachments	bar 195		
Other	8.3 Oil volume for attachments	180		
	8.4 Towing coupling, type DIN	Pin		

* aisle width calculation based on VDI 2198

8.0-10.0t XF series mast:(pneumatic)

Type	Model	Max. fork height	Overall height		Free lift		Load distance, centre of drive axle to fork	Tilt range FWD/BWD	Capacity		
			Lowered	Extended		Without backrest			With backrest	Load capacity at 600 mm	
				Without backrest	With backrest					Double tire	8t/10t
Wide view 2-stage mast	X80M250-000000-000	2500	2450	3710	/	200	/	714	6/12	8000	
	X80M270-000000-000	2700	2550	3910	/	200	/	714	6/12	8000	
	X80M300-000000-000	3000	2700	4210	/	200	/	714	6/12	8000	
	X80M330-000000-000	3300	2850	4510	/	200	/	714	6/12	8000	
	X80M350-000000-000	3500	2950	4710	/	200	/	714	6/12	8000	
	X80M360-000000-000	3600	3000	4810	/	200	/	714	6/12	8000	
	X80M400-000000-000	4000	3200	5210	/	200	/	714	6/12	8000	
	X80M430-000000-000	4300	3400	5510	/	200	/	714	6/6	8000	
	X80M450-000000-000	4500	3500	5710	/	200	/	714	6/6	8000	
	X80M480-000000-000	4800	3650	6010	/	200	/	714	6/6	8000	
	X80M500-000000-000	5000	3750	6210	/	200	/	714	6/6	8000	
	X80M550-000000-000	5500	4050	6740	/	200	/	714	3/6	7400	
	X80M600-000000-000	6000	4300	7240	/	200	/	714	3/6	7000	
	X80M650-000000-000	6500	4600	7790	/	200	/	714	3/6	5800	
	X100M250-000000-000	2500	2600	4055	/	200	/	726	6/12	10000	
	X100M270-000000-000	2700	2700	4255	/	200	/	726	6/12	10000	
	X100M300-000000-000	3000	2850	4555	/	200	/	726	6/12	10000	
	X100M330-000000-000	3300	3000	4855	/	200	/	726	6/12	10000	
	X100M350-000000-000	3500	3100	5055	/	200	/	726	6/12	10000	
	X100M360-000000-000	3600	3150	5155	/	200	/	726	6/12	10000	
	X100M400-000000-000	4000	3350	5555	/	200	/	726	6/12	10000	
	X100M430-000000-000	4300	3550	5855	/	200	/	726	6/6	10000	
	X100M450-000000-000	4500	3650	6055	/	200	/	726	6/6	10000	
	X100M480-000000-000	4800	3800	6355	/	200	/	726	6/6	10000	
	X100M500-000000-000	5000	3900	6555	/	200	/	726	6/6	10000	
	X100M550-000000-000	5500	4200	7055	/	200	/	726	3/6	9000	
X100M600-000000-000	6000	4450	7555	/	200	/	726	3/6	8000		
X100M650-000000-000	6500	4750	8055	/	200	/	726	3/6	6700		