

XF Series Diesel Pneumatic Tire Trucks

with capacities of 8,000 to 10,000lbs







Comfortable Operation

Optimal visibility in all directions create the best conditions for high productivity through relaxed and safe working.





In developing the 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.





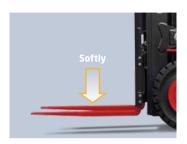
The enlarged capacity of optimized exhaust muffler, the intake muffler and the noise shield technologies provide significantly lower noise

- **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.



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.



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.





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

The double front lifting cylinders provide better forward visibility.





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.

Reliability

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

XF series truck just equip with Okamura transmission. Brake drum and hub adopt monolithic construction.



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.









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.

Bigger diameter of steering cylinder.

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. CUMMINS engine QSF2.8T4F is in compliance with EU stage-IIIB control regulation.



The exhaust treatment DOC ensure the exhaust satisfy with Europe 3B and USA T4F, it also with good noise reduction, maintenance is minimal.

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.





- 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.

Easy Maintenance

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



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



CUMMINS engine use the special air filter, it can reduce air intake resistance dramatically, equipped with pressure alarm to masterthe maintaining time.





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.

Standards

Transmission	Steering	Chassiss	Control	Hydraulic
/ Suspension transmission	/ Full hydraulic power steering	/ Anti-slip pedal	/ Power steering	/ Dynamic load sending control valve
/ Oil filter	/ Smaller diameter steering wheel	/ Rubber pedal	/ Suspension pedal	/ Hydraulic oil filter
/ Dipstick	/ Adjuster of steering wheel	/ Engine hood spring	/ Integrated combination switch	/ Tilt cylinder self-lock valve
/ Oil cooler			/ Cable parking brake	/ Hydraulic oil dipstick
/ Non-asbesttos bake				/ Dual pump
/ Okamura				

Truck		Electronics	Mast		
/ Traction device / Hand grip / Standard seat / Standard overhead guard / Waterproof cover on the guard / Back view mirror / Pneumatic tyres / Toolbox	/ Counterweight net / Fan protector / Big capacity aluminum radiator / Safety filter / High-efficient intake muffler / High-efficient exhaust muffler / Upright exhaust pipe / High-positioned exhaust system	/ LED headlamp / High-efficient LED rear lights / Maintenance-free battery / Combination controller / LCD display / Neutual switch / Hour meter / Fuel gauge	/ Water temperature gauge / Pre-heat indicator / Charging indicator / Oilpressure warning / Transmission oil pressure warning / Horn / Reversing buzzer	/ Standard wide view duplex mast / Standard forks / Standard fork carriage / Standard load backrest / Mast speed limiting valve / Loading relieve valve / Soft landing system / Soft lifting system / Sideshifter	

Options

Truck	Transmission	Power	Hydraulic	Electronics	Mast
/ Cabin / Cabin heater / Front window / Super elastic tyre / Non-mark tyre(white/green) / Suspension seat / Extinguisher / Cover of tilt cylinder / Heightening overhead guard / Reversing assist grip / Customer painting / OPS(Operator Presence Sensing system) / Boot for tilt cylinder / Additional counterweight	/ Dual driving tyre / Solid tyre / Japanese drum brake	/ Big capacity copper radiator / Net cover of radiator / Sparkle arrester / Purified exhaust system	Auxiliary hydraulic valve Electro-hydraulic proportional control system Return oil filter	/ OBD / Front working light / Rear working light / Warning lamp / Speed meter / Over-speed alarm	/ 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 / Widerload back rest

Optional Attachments

/ Paper roll clamp	/ Sideshifter
/ Rotating bale clamp	/ Rotating forks
/ Load stabilizer	/ Fork extensioner
/ 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



XF series 8,000~10,000lbs Pneumatic Tire Forklift Specification

	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.	
	1.2	Manufacturer's type designation		CPCD40-XW58B	CPCD45-XW58B	CPCD50-XXW58B
,	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel
	1.4	Operator type: hand, pedestrian, stand-up, sit-down, order-picker		Sit-down	Sit-down	Sit-down
ark	1.5	Rated capacity/rated load	Q (lb)	8000	9000	10000
⊨	1.6	Load centre distance	c (in)	24	24	24
data Chassis	1.8	Load distance, centre of drive axle to fork	x (in)	21.7	21.7	21.9
		Rear overhang	in	21	22.2	22
	1.9	Wheelbase	y (in)	79	79	85
	2.1		lb			
Weight		Service Weight		14400	14800	15100
	2.2	Axle loading, laden front/rear				
		Conterweight				
	2.3	Axle loading, unladen front/rear	lb			
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic		
Tyres, chassis	3.2	Tyre size, front		8.25-15-14PR	300-15-18PR	300-15-18PR
	3.3	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.5	Wheels, number front / rear (x = driven wheels)		2	2	2
	3.6	Tread, front	b10 (in)	46.2	47.4	47.4
	3.7	Tread, rear	b11 (in)	44.5	44.5	44.5
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12
	4.2	Height, mast lowered	hı (in)	88.4	88.4	88.4
	4.3	Free lift	h₂ (in)	6.3	6.3	6.3
	4.4	Lift	h₃ (in)	118	118	118
	4.5					
Dimensions						
		-				
		*				
	4.25	Distance between fork-arms	bs (in)	12.2~47.2	12.2~47.2	12.2~47.2
	4.31	Ground clearance, laden, below mast	m1 (in)	6.7	6.7	6.7
	4.32	Ground clearance, centre of wheelbase	m ₂ (in)	9	9	9
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (in)	174.8	176	182.3
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (in)	174.8	176	182.3
	4.35	Turning radius	Wa (in)	105.9	107.1	113.2
	4.36	Internal turning radius	b13 (in)	33.3	33.3	34.4
		Min. right angle stacking aisle width(Ast)	in	127.6	128.7	135
	5.1	Travel speed, laden/unladen	mph	(-/14.9)	(-/14.9)	(-/14.9)
	5.2	Lift speed, laden/unladen	ft/min	90/-	90/-	78/-
	5.3	Lowering speed, laden/unladen		98/-	98/-	98/-
g g						
engine data chassis		<u> </u>				
			70			
	5.10					
	71					
			LIE		-	
				4/170.9	4/170.9	4/170.9
	7.8	Generator	A	60	60	60
3.6 Tread, front 3.7 Tread, rear 4.1 Tilt of mast/fork carriage forward/backward 4.2 Height, mast lowered 4.3 Free lift 4.4 Lift 4.5 Height, mast extended 4.7 Height of overhead guard (cabin) 4.8 Seat height relating to SIP 4.12 Coupling height 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Fork dimensions 4.24 Fork-carriage width 4.25 Distance between fork-arms 4.31 Ground clearance, laden, below mast 4.32 Ground clearance, centre of wheelbase 4.34.1 Aisle width for pallets 1000 x 1200 crossward 4.34.2 Aisle width for pallets 1000 x 1200 lengthw 4.35 Turning radius 4.36 Internal turning radius Min. right angle stacking aisle width(Ast) 5.1 Travel speed, laden/unladen 5.2 Lift speed, laden/unladen 5.3 Lowering speed, laden/unladen 5.5 Drawbar pull, laden/unladen 5.7 Gradeability, laden/unladen 5.7 Gradeability, laden/unladen 7.1 Engine manufacturer/type 7.2 Engine power according to DIN ISO 1585 7.3 Rated speed 7.4 Number of cylinders/displacement 7.5 Number of cylinder	7.9	Vehicle electrical system voltage	V	12	12	12
	Battery voltage/nominal capacity	V/Ah	12/105	12/105	12/105	
		Rated torque	Ib 20100/2300 21500/2300 22700/2400 Ib 4690 5100 5400 5400 1b 6660/7740 6660/8140 6660/8440 Pneumatic Pneum	298/1600		
		Transmissions Manufacturer		OKAMURA	OKAMURA	OKAMURA
		Stage FWD/RVS		2/1	2/1	2/1
		Bore × stroke	in			
	10.1		bar			
æ						
data						
		· capacity	bui I	17.0	1/.0	13.0

8,000~9,000lbs XF series mast: (pneumatic)

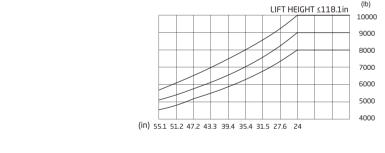
			Overall height			Free lift			Tilt r	ange	Capacity				
e		Max. fork			ended	Without	With	Front			Load capacity at 24in				
Τχ	Model	height	Lowered	Without backrest	With backrest	backrest	backrest	Overhang	FWD	FWD BWD	Single tire		Dual tire		
		in	in	in	in	in	in	in	(°)	(°)	8000lb	9000lb lb	8000lb	9000lb	
	X45M270	106.3	82.5	139.0	152.4	6.3	6.3	21.7	6	12	8000	9000	8000	9000	
Wide view mast	X45M330	129.9	94.3	162.6	176.0	6.3	6.3	21.7	6	12	8000	9000	8000	9000	
a sis E	X45M350	137.8	98.2	170.5	183.9	6.3	6.3	21.7	6	12	8000	9000	8000	9000	
	X45M400	157.5	110.0	190.2	203.5	6.3	6.3	21.7	6	12	7600	8500	8000	9000	
w as	X45U275	108.3	82.7	142.3	154.3	48.7	36.7	21.9	6	12	8000	9000	8000	9000	
Wide view full free duplex mast	X45U300	118.1	87.6	152.2	164.2	53.7	41.5	21.9	6	12	8000	9000	8000	9000	
를들을	X45U330	129.9	93.5	164.0	176.0	59.6	47.4	21.9	6	12	8000	9000	8000	9000	
구-림	X45U350	137.8	97.5	171.9	183.9	63.5	51.5	21.9	6	12	8000	9000	8000	9000	
	X45N430	169.3	85.8	203.0	215.4	52.3	39.8	23.7	6	6	6800	7600	7200	8100	
ew nast	X45N450	177.2	88.5	211.2	223.8	54.9	42.5	23.7	6	6	6400	7200	6800	7700	
e vi	X45N470	185.0	90.9	218.5	231.1	57.4	45.0	23.7	6	6	6000	6700	6400	7200	
Wide view full free triplex mast	X45N500	196.9	94.9	230.5	242.9	61.4	48.9	23.7	6	6	5600	6300	6000	6800	
	X45N550	216.5	101.4	250.2	262.6	67.9	55.4	23.7	3	6	4500	5100	5600	6200	

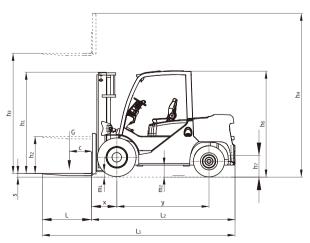
With sideshifter minus 440lb, with integral sideshifter minus 220lb.

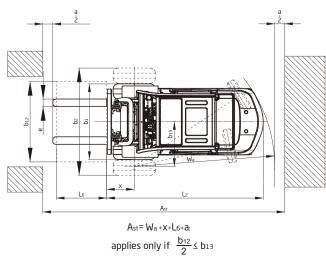
10,000lbs XF series mast: (pneumatic)

	Model		Overall height			Free lift		C+	Tilt range		Capacity	
e e		Max. fork	Lawarad	Exten				Front Overhang	THE	ange		ity at 24in
Туре		height	Lowered (in)	Without backrest(in)	With backrest(in)	Without backrest(in)	With backrest(in)	(in)	FWD	BWD	Single tire 10000lb	Dual tire 10000lb
		in	10000lb	10000lb	10000lb	10000lb	10000lb	10000lb	(°)	(°)	lb	Ib
41 - 44	XX50/XX55M270	106.3	82.5	139.0	160.2	6.3	6.3	21.9	6	12	10000	10000
Wide view mast	XX50/XX55M330	129.9	94.3	162.6	183.9	6.3	6.3	21.9	6	12	10000	10000
	XX50/XX55M400	157.5	110.0	190.2	211.4	6.3	6.3	21.9	6	12	9500	10000
st N	XX50/XX55U275	108.3	82.7	142.3	162.0	48.7	28.9	22.4	6	12	10000	10000
Wide view full free duplex mast	XX50/XX55U300	118.1	87.6	152.2	171.9	53.7	33.9	22.4	6	12	10000	10000
Per Sign	XX50/XX55U330	129.9	93.5	164.0	183.7	59.6	39.8	22.4	6	12	10000	10000
>≜	XX50/XX55U350	137.8	97.5	171.9	191.5	63.5	43.7	22.4	6	12	10000	10000
	XX50/XX55N430	169.3	85.8	203.1	223.0	52.0	32.1	24.2	6	6	8500	9000
ew nast	XX50/XX55N450	177.2	88.5	211.4	231.5	54.7	34.8	24.2	6	6	8000	8500
ex n	XX50/XX55N470	185.0	90.9	218.9	239.0	57.2	37.2	24.2	6	6	7500	8000
Wide view full free triplex mast	XX50/XX55N500	196.9	94.9	230.7	250.8	61.1	41.1	24.2	6	6	7000	7500
	XX50/XX55N550	216.5	101.4	250.4	270.5	67.6	47.6	24.2	3	6	5700	6700

With sideshifter minus 440lb, with integral sideshifter minus 220lb.









HC FORKLIFT AMERICA CORPORATION

Company address:

10405-A Granite Street Charlotte, NC 28273

Toll Free: 888-652-8395 Phone: 980-888-8335 Fax: 980-888-8336

america@hcforklift.com www.hcforkliftamerica.com







Follow us on Facebook



Follow us on YouTube



Follow us on WeChat

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors, equipment, or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.