

GLOBAL SALES NETWORK



XF Series



1.0 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 t
Diesel / Gasoline / LPG



CE CERTIFICATE



ISO14001: 2004



ISO9001: 2008

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HANGCHA GROUP CO., LTD.



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.

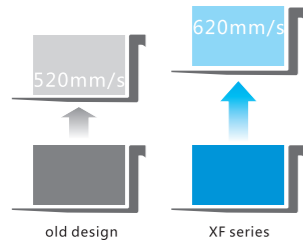
The new aluminum alloy transmission with full floating structure features excellent heat dissipation capability, more and thicker disc meet the most demanding applications.

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.

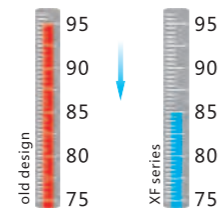
- 4 Extra capacity combined radiator with serpentine wave and optimized heat dissipation channel enhance the heat dissipation capability to keep engine reliability even in heavy-duty applications.



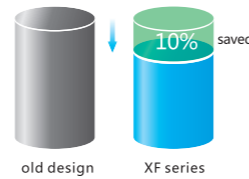
Productivity



Speed at full load
(2.5T 4TNE98)



Hydraulic oil
balanced temperature
(2.5T 4TNE98)



fuel consumption

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%.

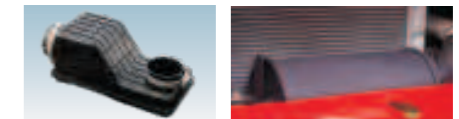
Comfortable operation

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.

Environmental Friendliness



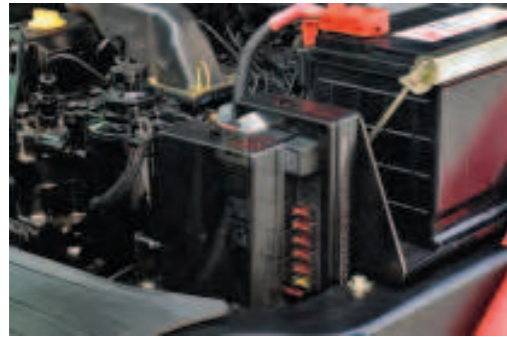
A lineup of powerful and clean engines and environment friendly materials help to reduce the output of undesirable substances over the lifetime of the truck, while creating a cleaner work environment.

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.



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.



Standards

Transmission	Steering	Chassis	Control	Hydraulic
Suspension 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-lock valve Hydraulic oil dipstick
Truck	Electronics		Mast	
Traction device Hand grip Standard seat Standard 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 muffl Upright exhaust pipe	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 heat indicator-Pre 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 Non-mark tyre(white/green) Suspension seat Extinguisher Cover of tilt cylinder Heightening overhead guard Reversing assist grip Special given color Seat with sensor 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

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.



Optional attachments

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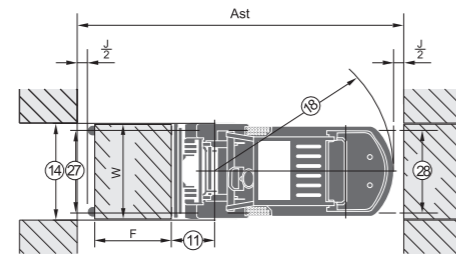
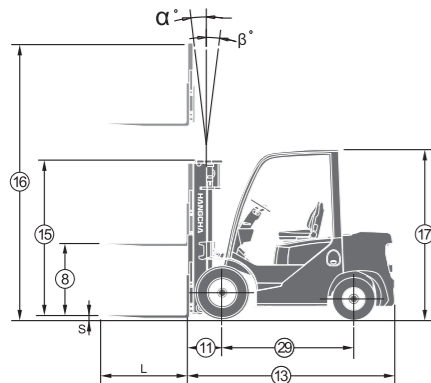


XF series 1.0-1.8t forklift specification:

		HANGCHA GROUP CO., LTD															
General		1	CPQD10			CPQD10		CPQD15		CPQD15		CPQD18		CPQD18			
2 Basic model			CPQD10			CPQD10		CPQD15		CPQD15		CPQD18		CPQD18			
3 Type			XW32F/B/M			XW21F/B/M		XW32F/B/M		XW51F/B/M		XW32F/B/M		XW51F/B/M			
4 Power type			Diesel			Gasoline		Diesel		LPG		Gasoline		LPG			
5 Rated Capacity		kg	1000			500		500		1500		1750		500			
6 Load center		mm	3000			155		155		920×100×35		920×100×35		1750			
7 Lifting height		mm	155			3000		3000		3000		3000		3000			
8 Free lift height		mm	920×100×35			155		155		920×100×35		920×100×35		155			
9 Fork size		L×W×T	920×100×35			920×100×35		920×100×35		920×100×35		920×100×35		920×100×35			
10 Mast tilt angle		F/R	6/12			6/12		6/12		6/12		6/12		6/12			
11 Fork overhang (wheel center to fork face)		mm	405			405		405		405		405		405			
12 Rear overhang		mm	375			405		405		405		405		405			
13 Overall dimensions		length to face of fork	2255			2285		2285		2285		2285		2285			
		Overall width	1080			1080		1080		1080		1080		1080			
		Mast lowered height	1995			1995		1995		1995		1995		1995			
		Mast extended height	3955			3955		3955		3955		3955		3955			
17 Overhead guard height		mm	2125 (2205*)			2125 (2205*)		2125 (2205*)		2125 (2205*)		2125 (2205*)		2125 (2205*)			
		mm	1965			1990		1990		1990		1990		1990			
18 Turning radius (outside)		mm	2370			2370		2370		2370		2370		2370			
19 Min. right angle stacking aisle width (Add load length and clearance)		mm	2370			2370		2370		2370		2370		2370			
Performance		Travel (No load)	km/h	19/19.3/19			18/18/18		19/19.3/19		18/18/18		19/19.3/19		18/18/18		
		Lifting (Full load)	mm/s	580			510		580		510		580		510		
		Lowering speed (with full load)	mm/s	500			500		500		500		500		500		
		Max. Drawbar Pull (Full load)	N	14600/14400/14100			14800/14600/14300		14600/14400/14100		14800/14600/14300		14600/14400/14100		14800/14600/14300		
24 Max.gradeability (Full load)*		%	40/39/38			41/40/39		33/33/32		34/33/33		30/30/29		31/30/30			
Chassis		Tyres	Front	6.50-10-10PR			6.50-10-10PR		6.50-10-10PR		6.50-10-10PR		6.50-10-10PR				
			Rear	5.00-8-10PR			5.00-8-10PR		5.00-8-10PR		5.00-8-10PR		5.00-8-10PR				
		Tread	Front	900			900		900		900		900				
			Rear	920			920		920		920		920				
29 Wheelbase		mm	1475			1475		1475		1475		1475					
30 Ground clearance		Lowest	115			115		115		115		115					
		Wheelbase center	140			140		140		140		140					
32 Service weight		kg	2510			2650		2650		2650		2650					
33 Weight Distribution		with Full load	Front/Rear	3055/455			3660/490		3660/490		3660/490		3660/490				
		without load	Front/Rear	1260/1250			1240/1410		1240/1410		1240/1410		1240/1410				
34 Battery		Voltage/Capacity (20HR)	12/60			12/60		12/60		12/60		12/60					
Power & transmission		Engine	Model	4TNE92			K21		4TNE92		K21		4TNE92		K21		
			Manufacturer	YANMAR			GCT (NISSAN)		YANMAR		GCT (NISSAN)		YANMAR		GCT (NISSAN)		
			rated output	kW/r/min	32.8/2450			31.5/2300		32.8/2450		29/2250		31.5/2300		31.5/2300	
			Rated torque	N·m/r/min	142/1600			144/1600		142/1600		144/1600		142/1600		144/1600	
			No. of cylinder		4			4		4		4		4		4	
			Bore×stroke	mm	92×100			89×83		92×100		89×83		92×100		89×83	
			Emission STD		StageIIIA/Tier4			StageIIIA/Tier4		StageIIIA/Tier4		StageIIIA/Tier4		StageIIIA/Tier4		StageIIIA/Tier4	
			Displacement	mL	2659			2065		2659		2065		2659		2065	
			Fuel tank capacity	L	50			50		50		28		50		28	
			45 Transmission		manufacturer	HANGCHA/OKAMURA/MS			HANGCHA/OKAMURA/MS		HANGCHA/OKAMURA/MS		HANGCHA/OKAMURA/MS		HANGCHA/OKAMURA/MS		
46		Type	Powershift			Powershift		Powershift		Powershift		Powershift					
47		Stage	FWD/RVS			1/1		1/1		1/1		1/1					
48 Operating pressure		For attachments	MPa			14.5		14.5		14.5		14.5					

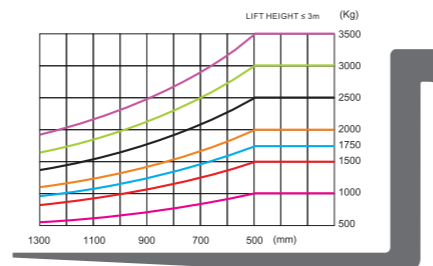
Note: *With suspension seat or cabin
 ※As a calculated value

DIMENSIONS



J = 200 mm safety clearance
 AST = J + F + (11) + (18)

LOAD CHART



1.0 ~ 1.8t XF series mast: (pneumatic)

type	model	max. fork height	Overall height				Free lift		Front Overhang		Tilt range		Capacity					
			Lowered	Extended		Without backrest	With backrest	1/1.5t	1.75t	FWD	BWD	load capacity at 500mm						
				Without backrest	With backrest							Single tire			Dual tire			
		mm	mm	mm	mm	mm	mm	(°)	(°)	1t	1.5t	1.75t	1t	1.5t	1.75t			
Wide view mast	X15M200	2000	1495	2565	2955	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M250	2500	1745	3065	3455	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M270	2700	1845	3265	3655	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M300	3000	1995	3565	3955	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M330	3300	2145	3865	4255	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M350	3500	2245	4065	4455	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M370	3700	2395	4265	4655	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15M400	4000	2595	4600	4955	155	155	405	410	6	12	1000	1500	1650	1000	1500	1700	
	X15M430	4300	2745	4900	5255	155	155	405	410	6	6	950	1450	1600	1000	1450	1650	
	X15M450	4500	2845	5100	5455	155	155	405	410	6	6	900	1400	1550	950	1400	1600	
	X15M470	4700	2945	5300	5655	155	155	405	410	6	6	850	1350	1500	900	1350	1550	
	X15M500	5000	3095	5600	5955	155	155	405	410	6	6	800	1300	1450	850	1300	1500	
X15M550	5500	3345	6100	6455	155	155	405	410	6	6	750	1250	1400	800	1250	1450		
X15M600	6000	3595	6600	6955	155	155	405	410	6	6	700	1200	1350	750	1200	1400		
Wide view mast for Duplex mast	X15U200	2000	1560	2585	2945	975	615	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U250	2500	1810	3085	3445	1225	865	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U270	2700	1910	3285	3645	1325	965	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U300	3000	2010	3590	3950	1425	1065	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U330	3300	2160	3885	4245	1575	1215	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U350	3500	2260	4085	4445	1675	1315	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U370	3700	2360	4285	4645	1775	1415	405	410	6	12	1000	1500	1750	1000	1500	1750	
	X15U400	4000	2560	4585	4945	1975	1615	405	410	6	12	1000	1500	1650	1000	1500	1700	
	X15N400	4000	1970	4680	4955	1300	1025	420	425	6	6	900	1400	1550	950	1400	1600	
	X15N430	4300	2070	4980	5255	1400	1125	420	425	6	6	850	1350	1500	900	1350	1550	
	X15N450	4500	2120	5130	5455	1500	1175	420	425	6	6	800	1300	1450	850	1300	1500	
	X15N470	4700	2170	5380	5750	1585	1225	420	425	6	6	750	1250	1400	800	1250	1450	
Wide view mast for Triplex mast	X15N500	5000	2270	5595	5955	1685	1325	420	425	6	6	700	1200	1350	800	1250	1450	
	X15N550	5500	2470	6095	6455	1885	1525	420	425	3	6	650	950	1050	750	1150	1300	
	X15N600	6000	2720	6730	7055	2100	1775	420	425	3	6	600	700	750	700	1050	1150	
	X15N650	6500	2870	7180	7455	2200	1925	420	425	3	6	550	650	700	650	700	750	
	X15N700	7000	2970	7595	7955	2385	2025	420	425	3	6	500	600	650	550	600	650	

With sideshifter minus 150kg, with integral sideshifter minus 100kg.

XF series 2.0t forklift specification:

		HANGCHA GROUP CO., LTD																		
General	1	Manufacturer																		
	2	Basic model	CPD20	CPYD20	CPQD20	CPYD20	CPQYD20	CPD20	CPYD20	CPQD20	CPYD20	CPQYD20	CPD20	CPD20	CPD20					
	3	Type	XW33F/B/M	XW52F/B/M	XW22F/B/M			XW32F	XW51F	XW21F			XW43F/B	XW55F/B	XW56F/B/M					
	4	Power type	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel					
Characteristics & Dimensions	5	Rated Capacity													2000					
	6	Load center													500					
	7	Lifting height													3000					
	8	Free lift height													140					
	9	Fork size	L×W×T														1070×122×40			
	10	Mast tilt angle	F/R														6/12			
	11	Fork overhang (wheel center to fork face)													465					
	12	Rear overhang													415					
	13	Overall dimensions	length to face of fork														2530			
	14		Overall width														1155			
	15		Mast lowered height														2035			
	16		Mast extended height														4045			
	17	Overhead guard height														2135(2215*)				
	18	Turning radius (outside)													2180					
19	Min. right angle stacking aisle width (Add load length and clearance)													2645						
Performance	20	Speed	Travel (No load)	18.2/18.6/17.9	19/19.4/18.7	19/19.4/18.7			19.4	18.2	18.2			18.2/18.6	18.2/18.6	17.5/18				
	21	Speed	Lifting (Full load)	620	560	560			600	490	490			620	620	620				
	22		Lowering speed (with full load)	500	500	500			500	500	500			500	500	500				
	23	Max. Drawbar Pull (Full load)	N	19800/19400/19500	18700/18300/18400	18700/18300/18400			14300	14500	14500			19800/19400	19800/19400	19800/19400/19500				
24	Max. gradeability (Full load)	%	35/34/34	33/32/32	33/32/32			24	25	25			35/34	35/34	35/34/34					
Chassis	25	Tyres	Front													7.00-12-12PR				
	26		Rear													6.00-9-10PR				
	27	Tread	Front													965				
	28		Rear													973				
	29	Wheelbase													1650					
	30	Ground clearance	Lowest													115				
31	Wheelbase center														150					
Weight	32	Service weight													3405					
	33	Weight Distribution	with Full load													4705/700				
34	without load														1610/1795					
Power & transmission	35	Battery	Voltage/Capacity (20HR)	V/Ah	12/90	12/60	12/60			12/90	12/60	12/60			12/90					
	36	Engine	Model	4TNE98		K25LPG		K25			4TNE92	K21LPG		K21		QSF2.8i3NA49	S4S-Z362CSFL	4TNV94L-BXPHZ		
	37		Manufacturer	YANMAR		GCT(NISSAN)		GCT(NISSAN)			YANMAR	GCT(NISSAN)		GCT(NISSAN)		CUMMINS	MITSUBISHI	YANMAR		
	38		rated output	42.1/2300		35/2400		38/2400			32.8/2450	29/2250		31.5/2300		36.5/2500	35.3/2250	34.6/2400		
	39		Rated torque	186/1700		170/1600		185/1600			142/1600	140/1600		144/1600		186/1500	165/1700	191~208.5/1500		
	40		No. of cylinder	4		4		4			4	4		4		4	4	4		
	41		Bore×stroke	98×110		89×100		89×100			92×100	89×83		89×83		94×100	94×120	94×110		
	42		Emission STD	StageIIIA/Tier3					StageIIIA/Tier4							StageIIIA	StageIIIA	StageIIIA		
	43		Displacement	3319		2488		2488			2659	2065		2065		2800	3331	3054		
	44		Fuel tank capacity	L	60	40	60	40	60	60	40	60	40	60	60	60	60	60		
	45		manufacturer	HANGCHA/OKAMURA/MS						HANGCHA						HANGCHA/OKAMURA		HANGCHA/OKAMURA/MS		
	46		Transmission	Type													Powershift			
47	Stage	FWD/RVS														1/1				
48	Operating pressure	For attachments													MPa			17.5		

Note: *With suspension seat or cabin
 ※ As a calculated value

2.0 ~ 2.5t XF series mast: (pneumatic)

type	model	max. fork height	Overall height				Free lift		Front Overhang	Tilt range		Capacity			
			Lowered	Extended		Without backrest	With backrest	FWD		BWD	load capacity at 500mm				
				Without backrest	With backrest						Single tire		Dual tire		
											2.0t	2.5t	2.0t	2.5t	
Wide view mast	X25M200	2000	1535	2660	3045	140	140	465	6	12	2000	2500	2000	2500	
	X25M250	2500	1785	3160	3545	140	140	465	6	12	2000	2500	2000	2500	
	X25M270	2700	1885	3360	3745	140	140	465	6	12	2000	2500	2000	2500	
	X25M300	3000	2035	3660	4045	140	140	465	6	12	2000	2500	2000	2500	
	X25M330	3300	2185	3960	4345	140	140	465	6	12	2000	2500	2000	2500	
	X25M350	3500	2285	4160	4545	140	140	465	6	12	2000	2500	2000	2500	
	X25M370	3700	2435	4360	4745	140	140	465	6	12	2000	2500	2000	2500	
	X25M400	4000	2635	4660	5045	140	140	465	6	12	2000	2450	2000	2500	
	X25M430	4300	2785	4960	5345	140	140	465	6	6	1950	2300	2000	2450	
	X25M450	4500	2855	5160	5545	140	140	465	6	6	1900	2150	1950	2300	
	X25M470	4700	2985	5360	5745	140	140	465	6	6	1850	2000	1900	2150	
	X25M500	5000	3135	5660	6045	140	140	465	6	6	1800	1850	1850	2000	
	X25M550	5500	3385	6160	6545	140	140	465	3	6	/	/	1600	1900	
	X25M600	6000	3635	6660	7045	140	140	465	3	6	/	/	1400	1750	
Wide view full free Duplex mast	X25U200	2000	1560	2680	3045	880	510	465	6	12	2000	2500	2000	2500	
	X25U250	2500	1810	3180	3545	1130	760	465	6	12	2000	2500	2000	2500	
	X25U270	2700	1910	3380	3745	1230	860	465	6	12	2000	2500	2000	2500	
	X25U300	3000	2010	3680	4045	1330	960	465	6	12	2000	2500	2000	2500	
	X25U330	3300	2160	3980	4345	1480	1110	465	6	12	2000	2500	2000	2500	
	X25U350	3500	2260	4180	4545	1580	1210	465	6	12	2000	2500	2000	2500	
	X25U370	3700	2360	4380	4745	1680	1310	465	6	12	2000	2500	2000	2500	
	X25U400	4000	2560	4680	5045	1880	1510	465	6	12	2000	2450	2000	2500	
Wide view full free Triplex mast	X25N400	4000	2000	4700	5045	1300	955	480	6	6	1900	2350	1950	2450	
	X25N430	4300	2100	5000	5345	1400	1055	480	6	6	1850	2200	1900	2350	
	X25N450	4500	2150	5230	5595	1470	1105	480	6	6	1800	2050	1850	2200	
	X25N470	4700	2200	5380	5745	1520	1155	480	6	6	1750	1900	1800	2050	
	X25N500	5000	2300	5680	6045	1620	1255	480	6	6	1700	1750	1800	2050	
	X25N550	5500	2500	6180	6545	1820	1455	480	3	6	1300	1400	1600	1900	
	X25N600	6000	2750	6730	7095	2070	1705	480	3	6	900	1000	1400	1750	
X25N650	6500	2900	7200	7545	2200	1855	480	3	6	/	/	1200	1450		
X25N700	7000	3050	7680	8045	2370	2005	480	3	6	/	/	1000	1150		

With sideshifter minus 150kg, with integral sideshifter minus 100kg.

XF series 2.5t forklift specification:

		HANGCHA GROUP CO., LTD																
General	1	Manufacturer																
	2	Basic model	CPCD25	CPYD25	CPQD25	CPYD25	CPQYD25	CPCD25	CPYD25	CPQD25	CPYD25	CPQYD25	CPCD25	CPCD25	CPCD25			
	3	Type	XW33F/B/M	XW52F/B/M	XW22F/B/M			XW32F	XW51F	XW21F			XW43F/B	XW55F/B	XW56F/B/M			
	4	Power type	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel			
	5	Rated Capacity	kg	2500														
	6	Load center	mm	500														
Characteristics & Dimensions	7	Lifting height	mm	3000														
	8	Free lift height	mm	140														
	9	Fork size	L×W×T	1070×122×40														
	10	Mast tilt angle	F/R	(°)														
	11	Fork overhang (wheel center to fork face)	mm	465														
	12	Rear overhang	mm	490														
	13	Overall dimensions	length to face of fork	mm	2605													
	14		Overall width	mm	1155													
	15		Mast lowered height	mm	2035													
	16		Mast extended height	mm	4045													
	17		Overhead guard height	mm	2135 (2215*)													
	18	Turning radius (outside)	mm	2245														
	19	Min. right angle stacking aisle width (Add load length and clearance)	mm	2710														
Performance	20	Speed	Travel (No load)	km/h	18.2/18.6/17.9	19/19.4/18.7	19/19.4/18.7	19.4	18.2	18.2	18.2/18.6	18.2/18.6	17.5/18					
	21		Lifting (Full load)	mm/s	620	560	560	600	490	490	620	620	620					
	22		Lowering speed (with full load)	mm/s	500	500	500	500	500	500	500	500	500					
	23	Max. Drawbar Pull (Full load)	N	19800/19400/19500	18700/18300/18400	18700/18300/18400	14300	14500	14500	14500	19800/19400	19800/19400	19800/19400/19500					
	24	Max. gradeability (Full load)	%	30/29/29	28/27/27	28/27/27	21	21	21	21	30/29	30/29	30/29/29					
Chassis	25	Tyres	Front	mm	7.00-12-12PR													
	26		Rear	mm	6.00-9-10PR													
	27	Tread	Front	mm	965													
	28		Rear	mm	973													
	29	Wheelbase	mm	1650														
	30	Ground clearance	Lowest	mm	115													
31	Wheelbase center		mm	150														
Weight	32	Service weight	kg	3765														
	33	Weight Distribution	with Full load	Front/Rear	5475/790													
	34		without load	Front/Rear	1560/2205													
Power & transmission	35	Battery	Voltage/Capacity (20HR)	V/Ah	12/90	12/60	12/60	12/90	12/60	12/60	12/90							
	36	Engine	Model		4TNE98	K25LPG	K25	4TNE92	K21LPG	K21	QSF2.8i3NA49	S4S-Z362CSFL	4TNV94L-BXPHZ					
	37		Manufacturer		YANMAR	GCT(NISSAN)	GCT(NISSAN)	YANMAR	GCT(NISSAN)	GCT(NISSAN)	GCT(NISSAN)	CUMMINS	mitsubishi	YANMAR				
	38		rated output	kW/r/min	44.3/2300	35/2400	38/2400	32.8/2450	29/2250	31.5/2300	36.5/2500	35.3/2250	34.6/2400					
	39		Rated torque	N·m/r/min	196/1700	170/1600	185/1600	142/1600	140/1600	144/1600	186/1500	165/1700	191~208.5/1500					
	40		No. of cylinder		4	4	4	4	4	4	4	4	4					
	41		Bore×stroke	mm	98×110	89×100	89×100	92×100	89×83	89×83	94×100	94×120	94×110					
	42		Emission STD		StageIIIA/Tier3			StageIIIA/Tier4			StageIIIA	StageIIIA	StageIIIA					
	43		Displacement	mL	3319	2488	2488	2659	2065	2065	2800	3331	3054					
	44		Fuel tank capacity	L	60	40	60	40	60	40	60	40	60					
	45		Transmission	manufacturer	HANGCHA/OKAMURA/MS						HANGCHA			HANGCHA/OKAMURA		HANGCHA/OKAMURA/MS		
	46			Type	Powershift													
47	Stage	FWD/RVS		1/1														
48	Operating pressure	For attachments	MPa	17.5														

Note: *With suspension seat or cabin
 ※ As a calculated value

XF series 3.0-3.5t forklift specification:

		HANGCHA GROUP CO., LTD																										
General	1	Manufacturer																										
	2	Basic model	CPCD30	CPYD30	CPQD30	CPYD30	CPQYD30	CPCD30	CPCD30	CPCD30	CPYD35	CPQD35	CPYD35	CPQYD35	CPCD35	CPCD35	CPCD35											
	3	Type	XW33F/B/M	XW52F/B/M	XW22F/B/M			XW43F/B	XW55F/B	XW56F/B/M	XW33F/B/M	XW52F/B/M	XW22F/B/M			XW43F/B	XW55F/B	XW56F/B/M										
	4	Power type	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel										
	5	Rated Capacity	kg											3000						3500								
	6	Load center	mm											500						500								
Characteristics & Dimensions	7	Lifting height	mm											3000						3000								
	8	Free lift height	mm											145						145								
	9	Fork size	L×W×T		mm											1070×122×45						1070×122×50						
	10	Mast tilt angle	F/R		(*)											6/12						6/12						
	11	Fork overhang (wheel center to fork face)	mm											480						485								
	12	Rear overhang	mm											550						615								
	13	Overall dimensions	length to face of fork		mm											2730						2800						
	14		Overall width		mm											1225						1225						
	15		Mast lowered height		mm											2050						2165						
	16		Mast extended height		mm											4145						4145						
	17		Overhead guard height		mm											2150 (2230*)						2150 (2230*)						
	18	Turning radius (outside)	mm											2355						2415								
	19	Min. right angle stacking aisle width (Add load length and clearance)	mm											2835						2900								
Performance	20	Travel (No load)	km/h		17.2/17.6/17.6			17.9/18.4/18.3			17.9/18.4/18.3			17.2/17.6			17.2/17.6			18.6/19								
	21	Speed	Lifting (Full load)		mm/s			490			450			450			490			430								
	22		Lowering speed (with full load)		mm/s			500			500			500			500			500								
	23	Max. Drawbar Pull (Full load)	N		21000/20500/19900			19800/19300/18700			19800/19300/18700			21000/20500			21000/20500			20800/20300/19900								
	24	Max. gradeability (Full load)*	%		27/26/25			25/24/23			25/24/23			27/26			26/25			27/26/25			24/23/22					
Chassis	25	Tyres	Front		mm											28×9-15-12PR						28×9-15-12PR						
	26		Rear		mm											6.50-10-10PR						6.50-10-10PR						
	27	Tread	Front		mm											1005						1005						
	28		Rear		mm											975						975						
	29	Wheelbase	mm											1700						1700								
	30	Ground clearance	Lowest		mm											130						130						
31	Wheelbase center		mm											165						165								
Weight	32	Service weight	kg		4350											4705												
	33	Weight Distribution	with Full load		kg											6450/900						7255/950						
	34		without load		kg											1750/2600						1720/2985						
Power & transmission	35	Battery	Voltage/Capacity (20HR)		V/Ah		12/90			12/60			12/90			12/90			12/60			12/90						
	36	Engine	Model		4TNE98			K25LPG			K25			QSF2.8t3NA49			S4S-Z362CSFL			4TNV94L-BXPZH			4TNE98					
	37		Manufacturer		YANMAR			GCT (NISSAN)			GCT (NISSAN)			CUMMINS			MITSUBISHI			YANMAR			YANMAR					
	38		rated output		kW/r/min			44.3/2300			35/2400			38/2400			36.5/2500			35.3/2250			34.6/2400			44.3/2300		
	39		Rated torque		N·m/r/min			196/1700			170/1600			185/1600			186/1500			165/1700			191~208.5/1500			196/1700		
	40		No. of cylinder		4			4			4			4			4			4			4			4		
	41		Bore×stroke		mm			98×110			89×100			89×100			94×100			94×120			94×110			98×110		
	42		Emission STD		StageIIIA/Tier3												StageIIIA			StageIIIA/Tier3								
	43		Displacement		mL			3319			2488			2488			2800			3331			3054			3319		
	44		Fuel tank capacity		L			70			40			70			40			70			40			70		
	45		Transmission	manufacturer		HANGCHA/OKAMURA/MS											HANGCHA/OKAMURA			HANGCHA/OKAMURA/MS			HANGCHA/OKAMURA/MS					
	46			Type		Powershift											Powershift											
47	Stage			FWD/RVS											1/1													
48	Operating pressure	For attachments		MPa											17.5													

Note: *With suspension seat or cabin
 ※As a calculated value

3.0 ~ 3.5t XF series mast: (pneumatic)

type	model	max. fork height	Overall height						Free lift						Capacity load capacity at 500mm							
			Lowered (mm)		Extended				Without backrest (mm)		With backrest (mm)				Front Overhang (mm)		Tilt range		Single tire (kg)		Dual tire (kg)	
			3.0t	3.5t	Without backrest (mm)	With backrest (mm)	3.0t	3.5t	3.0t	3.5t	3.0t	3.5t	3.0t	3.5t	FWD	BWD	(°)	(°)	3.0t	3.5t	3.0t	3.5t
Wide view mast	X30/35M200	2000	1550	1665	2735	2815	3145	3145	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M250	2500	1800	1915	3235	3315	3645	3645	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M270	2700	1900	2015	3435	3515	3845	3845	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M300	3000	2050	2165	3735	3815	4145	4145	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M330	3300	2200	2315	4035	4115	4445	4445	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M350	3500	2300	2415	4235	4315	4645	4645	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M370	3700	2450	2565	4435	4515	4845	4845	145	145	145	145	480	485	6	12	3000	3500	3000	3500		
	X30/35M400	4000	2650	2715	4735	4815	5145	5145	145	145	145	145	480	485	6	12	3000	3450	3000	3450		
	X30/35M430	4300	2800	2865	5035	5115	5445	5445	145	145	145	145	480	485	6	6	2850	3300	3000	3300		
	X30/35M450	4500	2900	2965	5235	5315	5645	5645	145	145	145	145	480	485	6	6	2700	3150	2850	3150		
	X30/35M470	4700	3000	3065	5435	5515	5845	5845	145	145	145	145	480	485	6	6	2550	3000	2700	3000		
	X30/35M500	5000	3135	3215	5735	5815	6145	6145	145	145	145	145	480	485	6	6	2400	2850	2550	2850		
	X30/35M550	5500	3400	3465	6235	6315	6645	6645	145	145	145	145	480	485	3	6	2400	2850	2400	2850		
	X30/35M600	6000	3650	3715	6735	6815	7145	7145	145	145	145	145	480	485	3	6	2400	2850	2200	2400		
Wide view full free Duplex mast	X30/35U200	2000	1620	1720	2755	2830	3145	3145	865	890	475	575	480	480	6	12	3000	3500	3000	3500		
	X30/35U250	2500	1870	1970	3255	3330	3645	3645	1115	1140	725	825	480	480	6	12	3000	3500	3000	3500		
	X30/35U270	2700	1970	2070	3455	3530	3845	3845	1215	1240	825	925	480	480	6	12	3000	3500	3000	3500		
	X30/35U300	3000	2080	2180	3755	3830	4145	4145	1325	1350	935	1035	480	480	6	12	3000	3500	3000	3500		
	X30/35U330	3300	2230	2330	4055	4130	4445	4445	1475	1500	1085	1285	480	480	6	12	3000	3500	3000	3500		
	X30/35U350	3500	2330	2430	4255	4330	4645	4645	1575	1600	1185	1385	480	480	6	12	3000	3500	3000	3500		
Wide view full free Triplex mast	X30/35U370	3700	2430	2530	4455	4530	4845	4845	1675	1700	1285	1385	480	480	6	12	3000	3500	3000	3500		
	X30/35U400	4000	2580	2680	4755	4830	5145	5145	1825	1850	1435	1535	480	480	6	12	3000	3450	3000	3450		
	X30/3N400	4000	2015	212	4755	4830	5145	5145	1260	1285	870	970	495	495	6	6	2900	3350	3000	3350		
	X30/3N430	4300	2115	2215	5055	5130	5445	5445	1360	1385	970	1070	495	495	6	6	2750	3200	2900	3200		
	X30/3N450	4500	2165	2265	5305	5380	5695	5695	1410	1435	1020	1120	495	495	6	6	2600	3050	2750	3050		
	X30/3N470	4700	2215	2315	5555	5630	5945	5945	1460	1485	1070	1170	495	495	6	6	2450	2900	2600	2900		
	X30/3N500	5000	2315	2415	5755	5830	6145	6145	1560	1585	1170	1270	495	495	6	6	2300	2750	2600	2900		
	X30/3N550	5500	2515	2565	6255	6330	6645	6645	1760	1735	1370	1420	495	495	3	6	1850	2200	2400	2650		
	X30/3N600	6000	2765	2815	6805	6880	7195	7195	2010	1985	1620	1670	495	495	3	6	1400	1650	2200	2400		
	X30/3N650	6500	2915	2965	7255	7330	7645	7645	2160	2135	1770	1820	495	495	3	6	1700	1850	1700	1850		
X30/3N700	7000	3065	3115	7755	7830	8145	8145	2310	2285	1920	1970	495	495	3	6	1200	1300	1200	1300			

With sideshifter minus 200kg, with integral sideshifter minus 100kg.