

1.0~1.8t XF series mast: (pneumatic)

Table with 18 columns: Type, Model, Overall height (Max. fork, Lowered, Extended), Free lift (Without, With), Front Overhang, Tilt range (FwD, BwD), Capacity (Load capacity at 500mm, Single tire, Dual tire).

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

2.0~2.5t XF series mast: (pneumatic)

Table with 18 columns: Type, Model, Overall height (Max. fork, Lowered, Extended), Free lift (Without, With), Front Overhang, Tilt range (FwD, BwD), Capacity (Load capacity at 500 mm, Single tire, Dual tire).

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

3.0~3.5t XF series mast: (pneumatic)

Table with 18 columns: Type, Model, Overall height (Max. fork, Lowered, Extended), Free lift (Without, With), Front Overhang, Tilt range (FwD, BwD), Capacity (Load capacity at 500 mm, Single tire, Dual tire).

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

IHR HANGCHA FACHHÄNDLER



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XF Series Diesel / Gasoline / LPG Counterbalanced Trucks

with capacities of 1,000 to 3,500kg



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ISO 14001:2015



ISO 9001:2015



HANGCHA trucks conform to the European Safety Requirements.



HANGCHA

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The World of Hangcha



HANGCHA with you at every stage

Efficient, reliable solutions for your demands

STAGE V & TIER 4F

With Hangcha you can meet all Stage V/Tier 4f emissions standards which provides customer demands for value, innovation and performance. The technologies include common rail fuel systems, diesel oxidation catalysts (DOC) and diesel particulate filters (DPF). Designed and optimised to every engine model, our forklift truck maximises efficiency and reliability.

**Powerful/
Efficient/
Reliable**



XINCHAI



Interactive instrument: The instrument adopts 4.0-inch color LCD display with four interactive buttons, and has one CAN bus communication function. The communication protocol is compatible with CANopen and SAE J1939 standards.



HANGCHA Forklift with StageV and T4F

No.	Capacity	Series	Manufacturer	Engine	Drive power	Model	Emission Std.	Transmission	Power (kw/rpm)
1	1.5-3.5t	XF	KUBOTA	V2607-CR-E5B	Diesel	CPCD15/18/20/25/30/35-XW97F	Stage V / Tier4 final	F	37.4/2400
2	2.0-3.5t	XF	XINCHAI	3E22YG51	Diesel	CPCD20/25/30/35-XH7F/B	Stage V	F/OKAMURA	44.8/2400

Note: Stage V applied for European Union also including Israel and Turkey
Tier4 Final applied for North American
F means full floating transmission



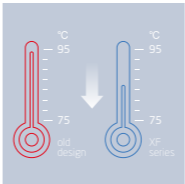
Productivity

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

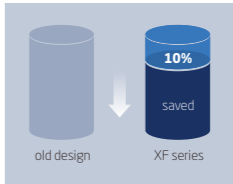
The new Dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic and improve energy efficiency.

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

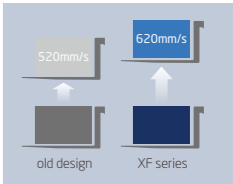
By optimizing transmission design, the power train provides higher efficiency. The fuel consumption is reduced by 10%.



Hydraulic oil balanced temperature (2.5T 4TNE98)



Fuel consumption



Speed at full load (2.5T 4TNE98)

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.



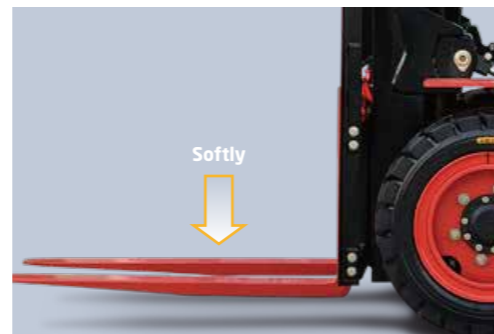
The enlarged capacity of optimized exhaust muffler, the intake muffler and the noise shield technologies provide significantly lower noise levels.

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

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



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 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.



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.



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.



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.

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

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

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.



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



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



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	Chassiss	Control	Hydraulic
<ul style="list-style-type: none"> / Suspended transmission / Oil filter / Dipstick / Oil cooler / Non-asbestos brake / MS transmission with wet brake 	<ul style="list-style-type: none"> / Full hydraulic power steering / Smaller diameter steering wheel / Adjuster of steering wheel 	<ul style="list-style-type: none"> / Skidproof pedal / Rubber pedal / Engine hood spring 	<ul style="list-style-type: none"> / Power steering / Suspension pedal / Integrated combination switch / Cable parking brake 	<ul style="list-style-type: none"> / Dynamic load sending control valve (Diesel IC) / Hydraulic oil filter / Tilt cylinder self-locking valve / Hydraulic oil dipstick

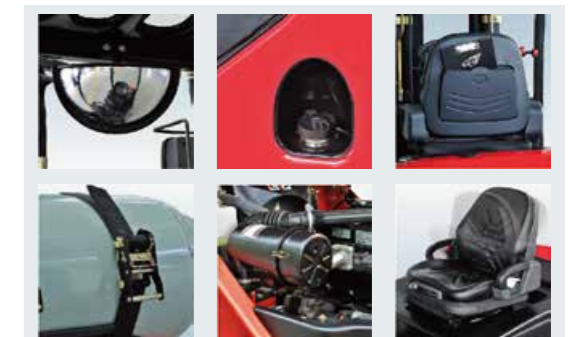
Truck	Power	Electronics	Mast
<ul style="list-style-type: none"> / Traction device / Handhilds / Standard seat / Standard overhead guard / Waterproof cover on the guard / Back view mirror / Pneumatic tyres / Toolbox 	<ul style="list-style-type: none"> / Big capacity aluminum radiator / Little tank / Whirlwind air cleaner / Safety filter / High-efficient intake muffler / High-efficient exhaust muffler 	<ul style="list-style-type: none"> / High-efficient front lights / High-efficient LED rear lights / Service-free start battery / Combination controller / LCD display / Neutual switch / Timee meter / Fuel gauge / Water temperature gauge / Pre-heat indicator / Charging indicator / Engine fuel pressure warning / Transmission oil pressure warning / Horn / Reversing uzzer / Power off 	<ul style="list-style-type: none"> / 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
<ul style="list-style-type: none"> / 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 	<ul style="list-style-type: none"> / 2-D wheel 	<ul style="list-style-type: none"> / Dual fuel LPG system / Big capacity copper radiator / High-positioned 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 	<ul style="list-style-type: none"> / Auxiliary hydraulic valve / Electro-hydraulic proportional control system / Return oil filter 	<ul style="list-style-type: none"> / OBD / Front working light / Rear working light / Warning lamp / Oil-water seperator warning 	<ul style="list-style-type: none"> / 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
- / Sideshifter
- / Rotating forks
- / Fork extensioner
- / Load release device
- / Carton clamp
- / Push-pull device
- / Bucket
- / Hook
- / Lengthened fork



XF series 1.0-1.8t forklift specification :

		HANGCHA GROUP CO.,LTD.																										
Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.																									
	1.2	Manufacturer's type designation	CPD10-XW32F/B/M	CPQD10-XW21F/B/M	CPCD10-XW10F	CPCD15-XW32F/B/M	CPYD15-XW51F/B/M	CPYD15-XW81F	CPYD15-XW87B	CPQD15-XW21F/B/M	CPYD15-XW21F/B/M	CPQYD15-XW21F/B/M	CPCD15-XW10F	CPD15-XW97F	CPCD18-XW32F/B/M	CPYD18-XW51F/B/M	CPYD18-XW81F	CPYD18-XW87B	CPQD18-XW21F/B/M	CPYD18-XW21F/B/M	CPQYD18-XW21F/B/M	CPCD18-XW10F	CPD18-XW97F					
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Gasoline	Diesel	Diesel	LPG	LPG	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel	LPG	LPG	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel					
	1.5	Rated capacity/rated load	1000							1500							1750											
	1.6	Load centre distance	500							500							500											
	1.8	Load distance, centre of drive axle to fork	405							405							405											
		Rear overhang	375							405							430											
	1.9	Wheelbase	1475							1475							1475											
	Weight	2.1	Service Weight	2510							2650							2760										
2.2		Axle loading, laden front/rear	3055/455							3660/490							3995/520											
2.3		Axle loading, unladen front/rear	1260/1250							1240/1410							1225/1540											
Tyres, chassis	3.2	Tyre size, front	6.50-10-10PR							6.50-10-10PR							6.50-10-10PR											
	3.3	Tyre size, rear	5.00-8-10PR							5.00-8-10PR							5.00-8-10PR											
	3.6	Tread, front	900							900							900											
	3.7	Tread, rear	920							920							920											
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	6/12							6/12							6/12											
	4.2	Height, mast lowered	1995							1995							1995											
	4.3	Free lift	155							155							155											
	4.4	Lift	3000							3000							3000											
	4.5	Height, mast extended	3955							3955							3955											
	4.7	Height of overhead guard (cabin)	2125(2205*)							2125(2205*)							2125(2205*)											
	4.20	Length to face of forks	2255							2285							2310											
	4.21	Overall width	1080							1080							1080											
	4.22	Fork dimensions	920×100×35							920×100×35							920×100×35											
	4.31	Ground clearance, laden, below mast	115							115							115											
	4.32	Ground clearance, centre of wheelbase	140							140							140											
	4.35	Turning radius	1965							1990							2015											
		Min. right angle stacking aisle width (Add load length and clearance)	2370							2395							2420											
Performance data	5.1	Travel speed, laden/unladen	(-/19)/(-/19.3)/(-/19)		(-/18)/(-/18)/(-/18)		-/19		(-/19)/(-/19.3)/(-/19)		(-/18)/(-/18)/(-/18)		(-/20)		(-/20)		(-/19)/(-/19.3)/(-/19)		(-/18)/(-/18)/(-/18)		(-/20)		(-/20)					
	5.2	Lift speed, laden/unladen	0.580/-		0.510/-		0.610/-		0.580/-		0.510/-		0.530/-		0.530/-		0.510/-		0.610/-		0.680/-		0.580/-		0.610/-			
	5.3	Lowering speed, laden/unladen	0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-		0.500/-			
	5.5	Drawbar pull, laden/unladen	(14600/-)/(14400/-)(14100/-)		(14800/-)/(14600/-)(14300/-)		15500/-		(14600/-)/(14400/-)(14100/-)		(14800/-)/(14600/-)(14300/-)		(19000/-)		(19000/-)		(14800/-)/(14600/-)(14300/-)		15500/-		16800/-		(14600/-)/(14400/-)(14100/-)		(14800/-)/(14600/-)(14300/-)			
	5.7	Gradeability, laden/unladen*	(40/-)(39/-)(38/-)		(41/-)(40/-)(39/-)		41/-		(33/-)(33/-)(32/-)		(34/-)(33/-)(33/-)		(37/-)		(37/-)		(34/-)(33/-)(33/-)		34/-		34/-		(30/-)(30/-)(29/-)		(31/-)(30/-)(30/-)			
Combustion-engine	7.1	Engine manufacturer/type	YANMAR/4TNE92	GCT(NISSAN)/GK21	ISUZU C240NKFC01	YANMAR/4TNE92	GCT(NISSAN)/GK21LPG	GCT GK21LPG EPA /CARB	GCT GK21LPG NON-CERT	GCT(NISSAN)/GK21				ISUZU C240NKFC01	KUBOTA V2607-CR-ESB	YANMAR/4TNE92	GCT(NISSAN)/GK21LPG	GCT GK21LPG EPA /CARB	GCT GK21LPG NON-CERT	GCT(NISSAN)/GK21				ISUZU C240NKFC01	KUBOTA V2607-CR-ESB			
		Emission STD	StageIIIA/Tier3		StageIIIA/GB3		StageIIA/Tier3		EPA/CARB Tier2		StageIIIA/GB3				EU StageV EPA/CARB Tier4 F		StageIIA/Tier3		EPA/CARB Tier2		StageIIIA/GB3							
	7.2	Engine power according to DIN ISO 1585	32.8		31.5		35.4		32.8		29		40		38.4		31.5		35.4		37.4		32.8		29			
	7.3	Rated speed	2450		2300		2500		2450		2250		2700		2700		2300		2500		2400		2450		2250			
	7.4	Number of cylinders/displacement	4/2659		4/2065		4/2369		4/2659		4/2065		4/2065		4/2065		4/2659		4/2615		4/2615		4/2659		4/2065			
	7.10	Battery voltage/nominal capacity	V/Ah 12/60		12/60		12/60		12/60		12/60		12/60		12/60		12/60		12/90		12/60		12/60		12/60			
		Rated torque	N·m/r/min 142/1600		144/1600		139.9/1800		142/1600		140/1600		150/2000		151/1600		144/1600		139.9/1800		171.5/1500		142/1600		140/1600			
		Bore × stroke	mm 92×100		89×83		86×102		92×100		89×93		89×83		89×83		89×83		86×102		87×110		92×100		89×83			
		Transmissions Manufacturer	HANGCHA/OKAMURA/MS			HANGCHA		HANGCHA/OKAMURA/MS			HANGCHA		OKAMURA			HANGCHA/OKAMURA/MS			HANGCHA		OKAMURA			HANGCHA/OKAMURA/MS			HANGCHA	
		Transmissions Type	Powershift																									
	Stage FWD/RVS	1/1																										
Addition data	10.1	Operating pressure for attachments	bar 145																									
	10.4	Fuel tank capacity	50		50		50		50		28		28		28		50		28		50		50		50			

Note: *With suspension seat or cabin

* As a calculated value

MS transmission with wet brake

XF series 2.0t forklift specification :

Distinguishing mark	HANGCHA GROUP CO.,LTD.																	
	CPXD20-Xw33F/B/M	CPYD20-Xw52F/B/M	CPYD20-Xw71F	CPYD20-Xw77B	CPQD20-Xw22F/B/M	CPYD20-Xw22F/B/M	CPQYD20-Xw22F/B/M	CPXD20-Xw32F	CPYD20-Xw51F	CPQD20-Xw21F	CPYD20-Xw21F	CPQYD20-Xw21F	CPXD20-Xw43F/B	CPXD20-Xw55F/B	CPXD20-Xw56F/B/M	CPXD20-Xw10F	CPXD20-Xw97F	CPXD20-Xw77F/B
1.1																		
1.2	Diesel	LPG	LPG	LPG	Gasoline	LPG	DUAL FUEL	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.3																		
1.5	2000																	
1.6	500																	
1.8	465																	
	415																	
1.9	1650																	
2.1	3405																	
2.2	4705/700																	
2.3	1610/1795																	
3.2	7.00-12-12PR																	
3.3	6.00-9-10PR																	
3.6	965																	
3.7	973																	
4.1	6/12																	
4.2	2035																	
4.3	140																	
4.4	3000																	
4.5	4045																	
4.7	2135(2215*)																	
4.20	2530																	
4.21	1155																	
4.22	1070x122x40																	
4.31	115																	
4.32	150																	
4.35	2180																	
	2645																	
5.1	(-18.2)(-18.6)(-17.9)	(-19)(-19.4)(-18.7)	(-21)	(-20)	(-19)(-19.4)(-18.7)			-19.4	-18.2		-18.2		(-18.2)(-18.6)	(-18.2)(-18.6)	(-17.5)(-18)	-19.7	-18.5	-18.5
5.2	0.620/-	0.560/-	0.560/-	0.560/-	0.560/-			0.600/-	0.490/-		0.490/-		0.620/-	0.620/-	0.620/-	0.590/-	0.600/-	0.600/-
5.3	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-			0.500/-	0.500/-		0.500/-		0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-
5.5	(19800/-)(19400/-)(19500/-)	(18700/-)(18300/-)(18400/-)	(21000/-)	(21000/-)	(18700/-)(18300/-)(18400/-)			14300/-	14500/-		14500/-		(19800/-)(19400/-)	(19800/-)(19400/-)	(19800/-)(19400/-)(19500/-)	15000/-	19500/-	19500/-
5.7	(35/-)(34/-)(34/-)	(33/-)(32/-)(32/-)	(30/-)	(30/-)	(33/-)(32/-)(32/-)			24/-	25/-		25/-		(35/-)(34/-)	(35/-)(34/-)	(35/-)(34/-)(34/-)	25/-	25/-	27/-
7.1	YANMAR/4TNE98	GCT(NISSAN)/GK25LPG	GCT GK25LPG EPA/CARB CERT	GCT GK25LPG NON-CERT	GCT(NISSAN)/GK25			YANMAR/4TNE92	GCT(NISSAN)/GK21LPG		GCT(NISSAN)/GK21		CUMMINS/QSF2.8i3NA49	MTSUBISHI/S45-Z362CSFL	YANMAR/4TNV94L-BXPZH	ISUZU C240NKFC01	KUBOTA V2607-CR-E5B	XINCHAI 3E22YG51
	StageIIA/Tier3							StageIIA/Tier3					StageIIA	StageIIA	StageIIA	StageIIA/CB3	EU StageV EPA/CARB Tier4 F	EU StageV
7.2	42.1	35	45.8	43.4	38			32.8	29		31.5		36.5	35.3	34.6	35.4	37.4	44.8
7.3	2300	2400	2700	2700	2400			2450	2250		2300		2500	2250	2400	2500	2400	2400
7.4	4/3319	4/2488	4/2488	4/2488	4/2488			4/2659	4/2065		4/2065		4/2800	4/3331	4/3054	4/2369	4/2615	3/2230
7.10	12/90	12/60	12/60	12/60	12/60			12/90	12/60		12/60		12/90	12/90	12/90	12/90	12/90	12/90
	186/1700	170/1600	187/1600	183.5/1600	185/1600			142/1600	140/1600		144/1600		186/1500	165/1700	191*208.5/1500	139.9/1800	171.5/1500	210/1600-1800
	98*110	89*100	89*100	89*100	89*100			92*100	89*83		89*83		94*100	94*120	94*110	86*102	87*110	94*107
	HANGCHA/OKAMURA/MS		HANGCHA	OKAMURA	HANGCHA/OKAMURA/MS			HANGCHA			HANGCHA/OKAMURA			HANGCHA/OKAMURA/MS	HANGCHA	HANGCHA	HANGCHA	HANGCHA/OKAMURA
	1/1																	
10.1	175																	
10.4	60	40	40	40	60	40	60	60	40	60	40	60	60	60	60	60	60	60

Note: *With suspension seat or cabin
 * As a calculated value
 MS transmission with wet brake

XF series 2.5t forklift specification :

Distinguishing mark	HANGCHA GROUP CO.,LTD.																		
	CPD25-Xw33F/BM	CPYD25-Xw52F/BM	CPYD25-Xw71F	CPYD25-Xw77B	CPQD25-Xw22F/BM	CPYD25-Xw22F/BM	CPYD25-Xw22F/BM	CPD25-Xw32F	CPYD25-Xw51F	CPQD25-Xw21F	CPYD25-Xw21F	CPYD25-Xw21F	CPD25-Xw43F/B	CPD25-Xw55F/B	CPD25-Xw56F/BM	CPD25-Xw10F	CPD25-Xw97F	CPD25-Xw77F/B	
1.1	HANGCHA GROUP CO.,LTD.																		
1.2	CPD25-Xw33F/BM	CPYD25-Xw52F/BM	CPYD25-Xw71F	CPYD25-Xw77B	CPQD25-Xw22F/BM	CPYD25-Xw22F/BM	CPYD25-Xw22F/BM	CPD25-Xw32F	CPYD25-Xw51F	CPQD25-Xw21F	CPYD25-Xw21F	CPYD25-Xw21F	CPD25-Xw43F/B	CPD25-Xw55F/B	CPD25-Xw56F/BM	CPD25-Xw10F	CPD25-Xw97F	CPD25-Xw77F/B	
1.3	Diesel	LPG	LPG	LPG	Gasoline	LPG	DUAL FUEL	Diesel	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	
1.5	2500																		
1.6	500																		
1.8	465																		
	490																		
1.9	1650																		
2.1	3765																		
2.2	5475/790																		
2.3	1560/2205																		
3.2	7.00-12-12PR																		
3.3	6.00-9-10PR																		
3.6	965																		
3.7	973																		
Dimensions	4.1	6/12																	
	4.2	2035																	
	4.3	140																	
	4.4	3000																	
	4.5	4045																	
	4.7	2135(2215*)																	
	4.20	2605																	
	4.21	1155																	
	4.22	1070*122*40																	
	4.31	115																	
	4.32	150																	
4.35	2245																		
	2710																		
Performance data	5.1	(-18.2)/(-18.6)/(17.9)	(-19)/(-19.4)/(-18.7)	(-21)	(-20)	(-19)/(-19.4)/(-18.7)	(-19.4)	(-18.2)	(-18.2)	(-18.2)/(-18.6)	(-18.2)/(-18.6)	(-17.5)/(-18)	(-19.7)	(-18.5)	(-19)				
	5.2	0.620/-	0.560/-	0.560/-	0.560/-	0.560/-	0.600/-	0.490/-	0.490/-	0.620/-	0.620/-	0.620/-	0.590/-	0.600/-	0.600/-				
	5.3	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	
	5.5	(19800/-)(19400/-)(19500/-)	(18700/-)(18300/-)(18400/-)	(21000/-)	(21000/-)	(18700/-)(18300/-)(18400/-)	14300/-	14500/-	14500/-	(19800/-)(19400/-)	(19800/-)(19400/-)	(19800/-)(19400/-)(19500/-)	15000/-	19500/-	19500/-				
	5.7	(30/-)(29/-)(29/-)	(28/-)(27/-)(27/-)	(30/-)	(30/-)	(28/-)(27/-)(27/-)	21/-	21/-	21/-	(30/-)(29/-)	(30/-)(29/-)	(30/-)(29/-)(29/-)	20/-	23/-	25/-				
Combustion-engine	7.1	YANMAR/4TNE98	GCT(NISSAN)/GK2SLPG	GCT GK2SLPG EPA/CARB CERT	GCT GK2SLPG NON-CERT	GCT(NISSAN)/GK25	YANMAR/4TNE92	GCT(NISSAN)/GK21LPG	GCT(NISSAN)/GK21	CUMMINS/QSF2.813NA49	MITSUBISHI/S4S-2362CSFL	YANMAR/4TNV94L-BXPZH	ISUZU C240NKFC01	KUBOTA V2607-CR-ESB	XINCHAI 3E22YG51				
		StageIIIA/Tier3					StageIIIA/Tier3			StageIIIA	StageIIIA	StageIIIA	StageIIIA/GB3	EU StageV EPA/CARB Tier4 F	EU StageV				
	7.2	42.1	35	45.8	43.4	38	32.8	29	31.5	36.5	35.3	34.6	35.4	37.4	44.8				
	7.3	2300	2400	2700	2700	2400	2450	2250	2300	2500	2250	2400	2500	2400	2400				
	7.4	4/3319	4/2488	4/2488	4/2488	4/2488	4/2659	4/2065	4/2065	4/2800	4/3331	4/3054	4/2369	4/2615	3/2230				
	7.10	12/90	12/60	12/60	12/60	12/60	12/90	12/60	12/60	12/90	12/90	12/90	12/90	12/90	12/90				
		196/1700	170/1600	187/1600	183.5/1600	185/1600	142/1600	140/1600	144/1600	186/1500	165/1700	191-208.5/1500	139.9/1800	171.5/1500	210/1600-1800				
		98*110	89*100	89*100	89*100	89*100	92*100	89*83	89*83	94*100	94*120	94*110	86*102	87*110	94*107				
		HANGCHA/OKAMURA/MS		HANGCHA	OKAMURA	HANGCHA/OKAMURA/MS			HANGCHA			HANGCHA/OKAMURA		HANGCHA/OKAMURA/MS	HANGCHA	HANGCHA	HANGCHA/OKAMURA		
		Powershift																	
	1/1																		
Addition data	10.1	175																	
	10.4	60	40	40	40	60	40	60	40	60	40	60	60	60	60	60	60	60	

Note: *With suspension seat or cabin
 * As a calculated value
 MS transmission with wet brake

XF series 3.0t forklift specification :

		HANGCHA GROUP CO.,LTD.															
Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.														
	1.2	Manufacturer's type designation	CPCD30-XW33F/B/M	CPYD30-XW52F/B/M	CPYD30-XW71F	CPYD30-XW77B	CPQD30-XW22F/B/M	CPYD30-XW22F/B/M	CPQYD30-XW22F/B/M	CPCD30-XW43F/B	CPCD30-XW55F/B	CPCD30-XW56F/B/M	CPCD30-XW10F	CPCD30-XW97F	CPCD30-XH7F/B		
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	LPG	LPG	LPG	Gasoline	LPG	DUAL FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel		
	1.5	Rated capacity/rated load	Q (kg) 3000														
	1.6	Load centre distance	c (mm) 500														
	1.8	Load distance, centre of drive axle to fork	x (mm) 480														
		Rear overhang	mm 550														
	1.9	Wheelbase	y (mm) 1700														
	Weight	2.1	Service Weight	kg 4350													
2.2		Axle loading, laden front/rear	kg 6450/900														
2.3		Axle loading, unladen front/rear	kg 1750/2600														
Tyres, chassis	3.2	Tyre size, front	28*9-15-14PR														
	3.3	Tyre size, rear	6.50-10-10PR														
	3.6	Tread, front	b10 (mm) 1005														
	3.7	Tread, rear	b11 (mm) 975														
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°) 6/12														
	4.2	Height, mast lowered	h1 (mm) 2050														
	4.3	Free lift	h2 (mm) 145														
	4.4	Lift	h3 (mm) 3000														
	4.5	Height, mast extended	h4 (mm) 4145														
	4.7	Height of overhead guard (cabin)	h6 (mm) 2150(2230*)														
	4.20	Length to face of forks	l2 (mm) 2730														
	4.21	Overall width	b1(mm) 1225														
	4.22	Fork dimensions	s/e/l (mm) 1070*122*45														
	4.31	Ground clearance, laden, below mast	m1 (mm) 130														
	4.32	Ground clearance, centre of wheelbase	m2 (mm) 165														
	4.35	Turning radius	Wa (mm) 2355														
			Min. right angle stacking aisle width (Add load length and clearance)	mm 2835													
	Performance data	5.1	Travel speed, laden/unladen	km/h (-/17.2 -/17.6) (-/17.6)	(-/17.9 -/18.4) (-/18.3)	(-/19.8)	(-/19.8)	(-/17.9 -/18.4 -/18.3)	(-/17.2 -/17.6)	(-/17.2 -/17.6)	(-/18.6 -/19)	-/18.6	-/18.5	-/18.5			
		5.2	Lift speed, laden/unladen	m/s 0.490/-	0.450/-	0.480/-	0.480/-	0.450/-	0.490/-	0.490/-	0.490/-	0.470/-	0.500/-	0.480/-			
5.3		Lowering speed, laden/unladen	m/s 0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-				
5.5		Drawbar pull, laden/unladen	N (21000/-)(20500/-) (19900/-)	(19800/-)(19300/-) (18700/-)	(22000/-)	(22000/-)	(19800/-)(19300/-)(18700/-)	(21000/-) (20500/-)	(21000/-) (20500/-)	(20800/-)(20300/-) (19900/-)	16000/-	20500/-	20500/-				
5.7		Gradeability, laden/unladen*	% (27-)(26-)(25/-)	(25-)(24-)(23/-)	(25/-)	(25/-)	(25-)(24-)(23/-)	(27-)(26/-)	(26-)(25/-)	(27-)(26-)(25/-)	19/-	20/-	23/-				
Combustion-engine	7.1	Engine manufacturer/type	YANMAR/4TNE98	GCT(NISSAN)/GK25LPG	GCT GK25LPG EPA/CARB CERT	GCT GK25LPG NON-CERT	GCT(NISSAN)/GK25	CUMMINS/QSF2.813NA49	mitsubishi/ 545-2362CSFL	YANMAR/ 4TNV94L-BXPHZ	ISUZU C240NKFC01	KUBOTA V2607-CR-ESB	XINCHAI 3E22YG51				
		Emission STD	StageIIIA/Tier3														
	7.2	Engine power according to DIN ISO 1585	kw 42.1	35	45.8	43.4	38	36.5	35.3	34.6	35.4	37.4	44.8				
	7.3	Rated speed	min 2300	2400	2700	2700	2400	2500	2250	2400	2500	2400	2400				
	7.4	Number of cylinders/displacement	(-)(cm ³) 4/3319	4/2488	4/2488	4/2488	4/2488	4/2800	4/3331	4/3054	4/2369	4/2615	3/2230				
	7.10	Battery voltage/nominal capacity	V/Ah 12/90	12/60	12/60	12/60	12/60	12/90	12/90	12/90	12/90	12/90	12/90				
		Rated torque	Nm/r/min 196/1700	170/1600	187/1600	183.5/1600	185/1600	186/1500	165/1700	191~208.5/1500	139.9/1800	171.5/1500	210/1600-1800				
		Bore × stroke	mm 98*110	89*100	89*100	89*100	89*100	94*100	94*120	94*110	86*102	87*110	94*107				
		Transmissions Manufacturer	HANGCHA/OKAMURA/MS														
		Transmissions Type	Powershift														
	Stage	FWD/RVS															
Addition data	10.1	Operating pressure for attachments	bar 175														
	10.4	Fuel tank capacity	liter 40	70	40	40	40	70	70	70	70	70	70				

Note: *With suspension seat or cabin

* As a calculated value

MS transmission with wet brake

XF series 3.5t forklift specification:

Distinguishing mark		HANGCHA GROUP CO.,LTD.													
1.1	Manufacturer	HANGCHA GROUP CO.,LTD.													
1.2	Manufacturer's type designation	CPXD35-XW33F/B/M	CPYD35-XW52F/B/M	CPYD35-XW71F	CPYD35-XW77B	CPQD35-XW22F/B/M	CPYD35-XW22F/B/M	CPYD35-XW22F/B/M	CPQD35-XW22F/B/M	CPXD35-XW43F/B	CPXD35-XW55F/B	CPXD35-XW56F/B/M	CPXD35-XW97F	CPXD35-XH7F/B	
1.3	Driver: electric (battery or mains), diesel, petrol, fuel gas	Diesel	LPG	LPG	LPG	Gasoline	LPG	LPG	DUAL FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	
1.5	Rated capacity/ rated load	Q (kg)													
1.6	Load centre distance	c (mm)													
1.8	Load distance, centre of drive axle to fork	x (mm)													
1.9	Rear overhang	mm													
1.9	Wheelbase	y (mm)													
2.1	Service weight	kg													
2.2	Axle loading, laden front/rear	kg													
2.3	Axle loading, unladen front/rear	kg													
3.2	Tyre size, front	28-9-15-14PR													
3.3	Tyre size, rear	6.50-10-10PR													
3.6	Tread, front	b10 (mm)													
3.7	Tread, rear	b11 (mm)													
4.1	Tilt of mast/fork carriage forward/backward	α/β(°)													
4.2	Height, mast lowered	h1 (mm)													
4.3	Free lift	h2 (mm)													
4.4	Lift	h3 (mm)													
4.5	Height, mast extended	h4 (mm)													
4.7	Height of overhead guard (cabin)	h5 (mm)													
4.20	Length to face of forks	l2 (mm)													
4.21	Overall width	b1 (mm)													
4.22	Fork dimensions	s/e/l (mm)													
4.31	Ground clearance, laden, below mast	m1 (mm)													
4.32	Ground clearance, centre of wheelbase	m2 (mm)													
4.35	Turning radius	wa (mm)													
4.35	*Min. right angle stacking aisle width (Add load length and clearance)*	mm													
5.1	Travel speed, laden/unladen	km/h	(-/17.2)(-/17.6) (-/18.3)	(-/17.9)(-/18.4) (-/18.3)	(-/19.8)	(-/19.8)	(-/17.9)(-/18.4)(-/18.3)	(-/17.9)(-/18.4)(-/18.3)	(-/17.2)(-/17.6)	(-/17.2)(-/17.6)	(-/18.6)(-/19)	-/18.5	-/18.5	-/18.5	
5.2	Lift speed, laden/unladen	m/s	0.430/-	0.385/-	0.480/-	0.480/-	0.385/-	0.430/-	0.430/-	0.430/-	0.440/-	0.440/-	0.440/-		
5.3	Lowering speed, laden/unladen	m/s	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-		
5.5	Drawbar pull, laden/unladen	N	(21000/-)(20500/-) (19900/-)	(19800/-)(19300/-) (18700/-)	(22000/-)	(22000/-)	(19800/-)(19300/-)(18700/-)	(21000/-) (20500/-)	(21000/-) (20500/-)	(20800/-)(20300/-) (19900/-)	20500/-	20500/-	20500/-		
5.7	Gradeability, laden/unladen*	%	(24/)(23/)(22/-)	(22/)(22/)(21/-)	(25/-)	(25/-)	(22/)(22/)(21/-)	(24/)(23/-)	(23/)(22/-)	(24/)(23/)(22/-)	20/-	23/-	23/-		
7.1	Engine manufacturer/type	YANMAR/4TNE98 StageIII/Tier3	GCT(NISSAN)/ GK25LPG	GCT(NISSAN)/ GK25LPG EPA/ CARB CERT	GCT OK25LPG NON-CERT	GCT(NISSAN)/GK25	MITSUBISHI/ QSF2.8i3NA49	MITSUBISHI/ S45-2362CSFL	YANMAR/ 4TNV94L-BXPHZ	KUBOTA V2607-CR-ESB	XINCHAI 3E22YGS1	EU StageV EPA/CARB Tier4 F	EU StageV		
7.2	Engine power according to DIN ISO 1585	kw	42.1	35	45.8	43.4	38	36.5	35.3	34.6	37.4	44.8			
7.3	Rated speed	min	2300	2400	2700	2700	2400	2500	2250	2400	2400	2400			
7.4	Number of cylinders/displacement	(-)(cm ³)	4/3319	4/2488	4/2488	4/2488	4/2800	4/3331	4/3054	4/2615	3/2230				
7.10	Battery voltage/nominal capacity	V/Ah	12/90	12/60	12/60	12/60	12/60	12/90	12/90	12/90	12/90	12/90			
	Rated torque	Nm/r/min	195/1700	170/1600	187/1600	183.5/1600	185/1600	186/1500	165/1700	191~208.5/1500	171.5/1500	210/1600-1800			
	Bore * stroke	mm	98*110	89*100	89*100	89*100	89*100	94*100	94*110	94*120	87*110	94*107			
	Transmissions Manufacturer	HANGCHA/OKAMURA/MS			HANGCHA	OKAMURA	HANGCHA/OKAMURA/MS	HANGCHA/OKAMURA			HANGCHA/ OKAMURA/MS	HANGCHA	HANGCHA/OKAMURA		
	Transmissions Type	Powershift													
	Stage FWD/RVS	1/1													
10.1	Operating pressure for attachments	bar	175												
10.4	Fuel tank capacity	liter	40	70	40	40	40	40	70	70	70	70	70		

Note: *With suspension seat or cabin
 * As a calculated value
 MS transmission with wet brake

