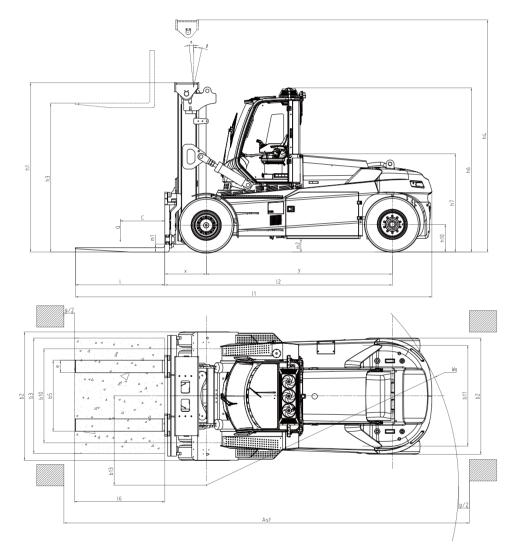
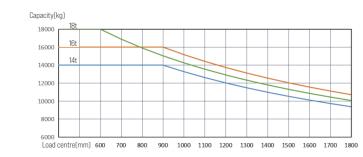
14-18t Mast Specification

Туре		Lifting height	Overall height			Capacity		
	Model		Lowered	Extended	F/R	Load center@900mm		Load center@600mm
						14t	16t	18t
		mm	mm	mm	(°)	kg	kg	kg
	GXR160/X180M300	3000	3300	4800	6/12	14000	16000	18000
2-stage wide view mast	GXR160/X180M330	3300	3450	5100	6/12	14000	16000	18000
	GXR160/X180M360	3600	3600	5400	6/12	14000	16000	18000
	GXR160/X180M400	4000	3800	5800	6/12	14000	16000	18000
	GXR160/X180M430	4300	4000	6150	6/12	14000	16000	18000
	GXR160/X180M450	4500	4100	6350	6/12	14000	16000	18000
	GXR160/X180M480	4800	4250	6650	6/6	14000	16000	18000
	GXR160/X180M500	5000	4350	6850	6/6	14000	16000	18000
	GXR160/X180M550 5500		4650	7400	3/6	12500	14500	16500
	GXR160/X180M600	6000	4900	7900	3/6	11000	13000	15000
	GXR160/X180M650	6500	5200	8450	3/6	9500	11500	13500



Ast=16+Wa+x+a L6: load length a: Clearance (200mm)





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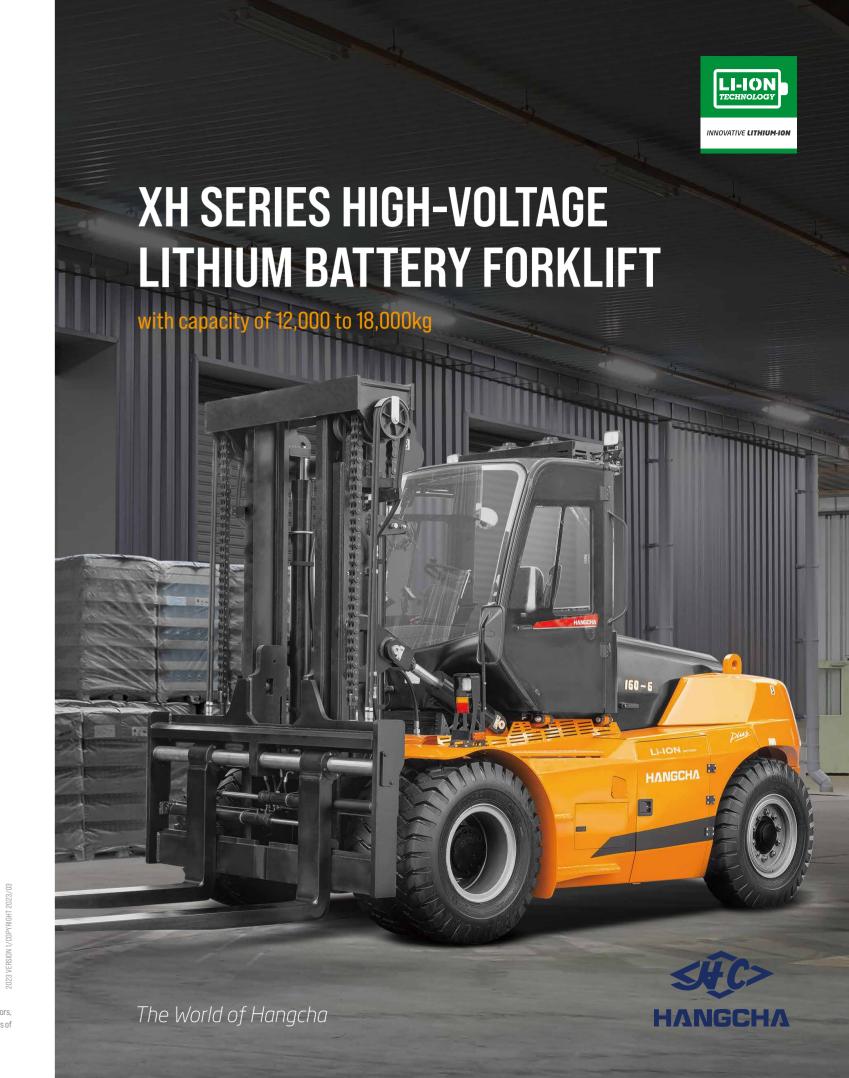
Download "Hangcha Forklift" App







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THE DIME

FOR YOUR BUSINESS

HANGCHA

XH series high-voltage lithium battery forklifts are new series of high-voltage lithium battery forklifts independently developed by Hangcha relying on the new energy automobile voltage platform for the first time based on the deep understanding of electric forklifts and internal combustion forklifts for decades by breaking through the traditional design concept. The series of models redefine electric forklifts in terms of efficiency, power and reliability, and replace the internal combustion with electric forklifts.

VOLTAGE

541 V

MAX. GRADEABILITY

30%

WATER RESISTANCE

IPX4

SPEED MODELS

3

TRAVEL SPEED

27km/h

PROTECTION RATE

IP67

Exterior

/ Following the appearance of X series internal combustion forklifts, the series boast smooth and powerful contour lines, and exquisite and compact vehicle body, presenting both fashion and steadiness as a whole.

COMMITTED TO IMPROVING

FASTER & MORE EFFICIENCY.

Compared with low-voltage lithium battery forklifts, high-voltage lithium battery technology can save about 40% of the overall cost during the service cycle.

40%

Low Voltage Lithium
Battery Forklift

Hangcha High Voltage



Compared with fuel forklifts, high-voltage lithium battery technology can save about 90% of the overall cost during the service cycle.

90%

Fuel Forklift

Lithium Electric Forklift



4000



Under normal charging and discharging conditions, the lithium battery of Hangcha products has a capacity retention rate of more than 75% and a life span of up to 10 years after 4000 cycles of charging and discharging.

Through disruptive battery and fast charging technology, the charging time is greatly shortened.

Get the battery fully charge:

.5h 10

Hangcha High Voltage Electric Forklift Electric Forklift

POWER PERFORMANCE COMPARISON

	High Voltage Lithium Electric Forklift	Fuel Forklift
Travel speed, laden/unladen	26/27km/h	15-20km/h
Lift speed, laden/unladen	400/500mm/s	430/470mm/s
Max. gradeability, S2=5min, laden/unladen	30%	15%-20%

Fast charging makes it possible for the whole vehicle to work continuously, shortening the waiting time and greatly improving efficiency.

HIGH-VOLTAGE

183.6Kwh

Batte

Battery capacit

EXCELLENT ERGONOMIC DESIGN

Comfort

- / The wide-view mast with optimized design is unlikely to obstruct the operator's line of sight. The enlarged opening size of the fork carriage enables a wider view, a large operation space, and excellent ergonomic design.
- / The multifunctional color-screen instruments are designed to have graphical interfaces and display data clearly. The interfaces can be switched to be shown in Chinese and English to meet the needs of customers at home and abroad.
- / The new fully-suspended cab with panoramic view enables a clearer view. Performance of the air conditioner is improved to enable uniform conditioned air blowing from the air outlet and a strong cooling effect. The waterproof, dust-proof, heatproof, soundproof, noise-reducing sealing design improves driving comfort. The molded interior parts enable a more comfortable feel. The integral frame is constituted by profiled steel pipes. The structural parts have higher strength.
- / Integrated handle and pilot remote control allow flexible and accurate operation; hydraulic brake curve is optimized to achieve smooth and easy-to-control braking; suspension seat, following the floating multi-direction adjustable control platform, is comfortable to control.









Intelligent

- / A vehicle central controller is provided, which has bus architecture, several built-in diagnosis and management functions and a central fault alarm function.
- / An optional intelligent management system is provided to enable intelligent remote monitoring and easier equipment management and logistics management.





Maintainability

- / The over-turnable cab and electric tipping cylinder make tipping easier and more labor-saving.
- / The wide-opened hood better facilitate repair and maintenance of electrical components.



Standard Specification

- / Duplex wide-view mast
- / Hydraulic prong adjustment
- / Standard fork
- / Cab
- / Cooling and heating air conditioner
- / Fully hydraulic power steering
- / Quadruple multi-way valve
- / Chair sensing system
- / Steering wheel adjusting device
- / Self-locking valve in the tilting fuel circuit
- / Speed limit valve in the lifting fuel circuit
- / Traction device
- / Main power switch
- / Reversing radar
- / LCD bus instrument
- / Neutral indicator
- / Accumulator low pressure alarm
- / Hydraulic oil filter alarm
- / Vehicle LED lights
- / Pneumatic tire
- / Reverse buzzer
- / Snail horn
- / Manual/electric tipping pump
- / Armrest's multi-directional adjustment device
- / Vehicle toolkit
- / Multi-function color-screen combination instrument
- / Standard lithium battery box
- / Water chilling unit for lithium battery
- / Maintenance-free 24V lead-acid battery
- / Integrated controller (PDU+DC/DC+MCU)
- / Two-in-one oil pump motor controller
- / VCU controller
- / MSD maintenance switch
- / Emergency power off switch
- / Water chilling unit for electric control and motor
- / Automatic fire extinguisher for lithium battery
- / Cab fan

Options

- / User specified color
- / Forks of Others specifications
- / Masts of Others specifications
- / Solid tire
- / Vehicle intercom
- / Reverse voice buzzer
- / Electronic alarm light (with/without a control switch)
- / Rear view system (optional with memory)
- / Front and rear view systems (optional with memory)
- / Fire extinguisher (2kg/4kg)
- / Mast LED operation light
- / Four-channel driving record system
- / Speed limit
- / Blue light
- / Weighing system

Optional battery list

Capacity (Ah)	12-16t 541V	12-16t 608V
228	•	_
302	_	0

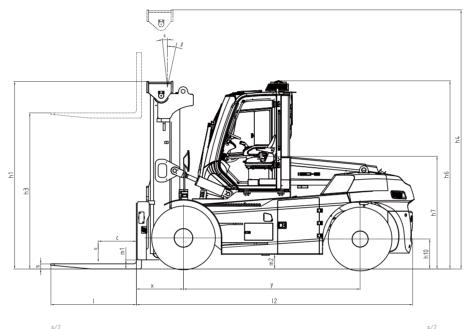
Note: • Standard battery capacity; O Optional battery capacity; — Null

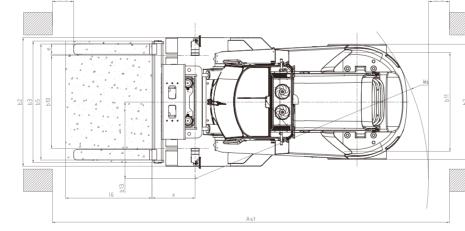
XH Series 12-16t High-voltage Lithium Battery Forklift Specification

13		1.1	Manufacturer			HANGCHA GROUP CO.,LTD.	
		1.2	Manufacturer's type designation		CPD120-XHXL2G	CPD140-XHXL2G	CPD160-XHXL2G
18 Instrument cannon		1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric
18 Instrument cannon	ishing k	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated
18 Instrument cannon	stingu	1.5	Rated capacity/rated load	Q (kg)	12000	14000	16000
13		1.6	Load centre distance	c (mm)	600	600	600
2		1.8	Load distance, centre of drive axle to fork	x (mm)	746	825	825
2 2 Service Weight		1.9	Wheelbase	y (mm)	3100	3100	3100
23 An Exading underland mode from Face \$0 \$0.000,00000 \$0.000,00000 \$0.000,00000 \$0.000,000000 \$0.000,000000 \$0.000,000000 \$0.000,0000000 \$0.000,00000000 \$0.000,000000000 \$0.0000000000000000000000000		2.1	Service Weight	kg		19400	20500
23 An Exading underland mode from Face \$0 \$0.000,00000 \$0.000,00000 \$0.000,00000 \$0.000,000000 \$0.000,000000 \$0.000,000000 \$0.000,0000000 \$0.000,00000000 \$0.000,000000000 \$0.0000000000000000000000000	sight	2.2	Axle loading, laden front/rear	kg	24590/3410	30200/3200	32800/3700
1990 1990	×						9430/11070
100 100							
Part							
18 18 19 19 19 19 19 19	assis						
18 18 19 19 19 19 19 19	es, ch						
Page	Þ			b10 (mm)			
A							
Neight, must bouered							
A							
4.7							
4.3 Seat height/stand height							
4.12 Coupling height							
A 9 Derral length							
1.20 Length to face of furks							
4.21 Ureral width St. Ureral width	nsions		-				
4.22 Fork dimensions \$r\$e\text{/(mm)} 80/200/1500 90/200/1500 90/200/1500	Dime						
424 Fork-carriage width bis (mm) 2372 2372 2372 2372							
A25 Distance between fork-arms b6 (mm) 520/2200 520/2200 520/2200							
4.31 Ground clearance, laden, below mast mi (mm) 236 250 270			-				
A 32 Ground clearance, centre of wheelbase m2 (mm) 220 235 255							
A341 Alsle width for pallets crossways				_			
Page			·				
Figure F							
S.2 Lift speed, laden/unladen							
Second S							
Service brake Wet disc brake system(WDB) Wet disc brake system(WDB) Wet disc brake system(WDB)	e data						
Service brake Wet disc brake system(WDB) Wet disc brake system(WDB) Wet disc brake system(WDB)	rmanc						
Parking brake Spring Applied, Hydraulic release multidisc brake (SAHR)	Perfo			70			
Second Column C		0.10					-
Battery weight Restrict to the content of the c		61		kW			I
6.4 Battery voltage, nominal capacity K5 V/Ah 541/228 541/228 541/228							
Max. battery weight kg 1100 1100 1100 Min. battery weight kg 1500 1500 1500 8.1 Type of drive unit IGBT/AC IGBT/AC IGBT/AC	9		-	-			
Max. battery weight kg 1100 1100 1100 Min. battery weight kg 1500 1500 1500 8.1 Type of drive unit IGBT/AC IGBT/AC IGBT/AC	engir						
Max. battery weight kg 1100 1100 1100 Min. battery weight kg 1500 1500 1500 8.1 Type of drive unit IGBT/AC IGBT/AC IGBT/AC	lectric	0.0					
Min. battery weight kg 1500 1500 1500 8.1 Type of drive unit IGBT/AC IGBT/AC IGBT/AC							
8.1 Type of drive unit IGBT/AC IGBT/AC IGBT/AC							
		01		ny			
9 π/9 (10.8) 10.1 Towing coupling, type DIN 15170 Φ40Pin Φ40Pin Φ40Pin	_			har			
4 10.0 TOWNING COMPINING, Type DIR 10170 W40PIN W40PIN W40PIN	data			uai			
		10.0	rowing coupling, type but 10170		Ψ40ΥΙΙΙ	Ψ40ΥΙΙΙ	Ψ4UPIN

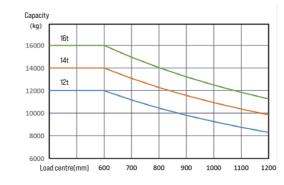
12-16t Mast Specification

			Overall height				Tilt range	Capacity		
Type Model		Lifting height	Lowered		Extended		F/R	Load center@600mm		
			12t	14/16t	12t	14/16t		12t	14t	16t
		mm	mm	mm	mm	mm	(°)	kg	kg	kg
	GXRX120/160M300	3000	3180	3290	4695	4790	6/12	12000	12000	16000
	GXRX120/160M330	3300	3330	3440	4995	5090	6/12	12000	12000	16000
	GXRX120/160M360	3600	3480	3590	5295	5390	6/12	12000	12000	16000
»	GXRX120/160M400	4000	3680	3790	5695	5790	6/12	12000	12000	16000
le vie	GXRX120/160M430	4300	3880	3990	6030	6140	6/12	12000	12000	16000
2-stage wide view mast	GXRX120/160M450	4500	3980	4090	6230	6340	6/12	12000	12000	16000
rtage	GXRX120/160M480	4800 4130 4240		4240	6530	6640	6/6	12000	12000	16000
2-	GXRX120/160M500	5000	4230	4340	6730	6840	6/6	12000	12000	16000
	GXRX120/160M550	5500	4530	4640	7280	7390	3/6	10500	10500	14500
	GXRX120/160M600	X120/160M600 6000 4780 4890		7780	7890	3/6	9000	9000	13000	
	GXRX120/160M650	6500	5080	5190	8330	8440	3/6	7500	7500	11500





st=16+Wa+x+a L6: load length a: Clearance (200mm)



XH Series 14-18t High-voltage Lithium Battery Forklift Specification

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.				
	1.2	Manufacturer's type designation		CPD140-XHL2G	CPD160-XHL2G	CPD180-XHXL2G		
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated		
	1.5	Rated capacity/rated load	Q (kg)	14000	16000	18000		
	1.6	Load centre distance	c (mm)	900	900	600		
	1.8	Load distance, centre of drive axle to fork	x (mm)	920	920	920		
	1.9	Wheelbase	y (mm)	3750	3750	3750		
	2.1	Service Weight	kg	22800	23800	23400		
Weight	2.2	Axle loading, laden front/rear	kg	33120/3680	35900/3900	37592/3808		
>	2.3	Axle loading, unladen front/rear	kg	11628/11172	11662/12138	11934/11466		
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic		
	3.2	Tyre size, front		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR		
assis	3.3	Tyre size, rear		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR		
Tyres, chassis	3.5	Wheels, number front / rear (x = driven wheels)		4x/2	4x/2	4x/2		
Ş	3.6	Tread, front	b10 (mm)	1894	1894	1894		
	3.7	Tread, rear	b11 (mm)	2030	2030	2030		
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12		
	4.2	Height, mast lowered	hı (mm)	3300	3300	3300		
	4.4	Lift	h3 (mm)	3000	3000	3000		
	4.5	Height, mast extended	h4 (mm)	4800	4800	4800		
	4.7	Height of overhead guard (cabin)	he (mm)	3300	3300	3300		
	4.12	Coupling height	h10 (mm)	480	480	480		
	4.19	Overall length	l1 (mm)	7270	7270	6970		
ions	4.20	Length to face of forks	l2 (mm)	5470	5470	5470		
Dimensions	4.21	Overall width	b1 (mm)	2580	2580	2580		
_	4.22	Fork dimensions	s/e/I (mm)	90/250/1800	90/250/1800	90/250/1500		
	4.24	Fork-carriage width	b3 (mm)	2510	2510	2510		
	4.25	Distance between fork-arms	b5 (mm)	750/2300	750/2300	750/2300		
	4.31	Ground clearance, laden, below mast	m1 (mm)	250	250	250		
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	265	265	265		
	4.34.1	Aisle width for pallets crossways	Ast (mm)	6070+16	6070+I6	6070+16		
	4.35	Turning radius	Wa (mm)	4950	4950	4950		
	5.1	Travel speed, laden/unladen	km/h	27/28	27/28	27/28		
g.	5.2	Lift speed, laden/unladen	mm/s	350/400	350/400	350/400		
nce dat	5.6	Max. Drawbar pull, laden/unladen	N	150000	150000	150000		
Performance data	5.8	Max. gradeability, laden/unladen	%	20/25	20/25	20/25		
Per	5.10	Service brake		Wet disc brake system(WDB)	Wet disc brake system(WDB)	Wet disc brake system(W		
		Parking brake		Sprin	g Applied,Hydraulic release multidisc brake(SAHR)		
	6.1	Drive motor rating S2 60 min	kW	120	120	120		
	6.2	Lift motor rating at \$3 15%	kW	50×2	50×2	50×2		
Electric-engine	6.4	Battery voltage, nominal capacity K5	V/Ah	608/302	608/302	608/302		
ectric-	6.5	Battery weight	kg	1790	1790	1790		
亩		Battery dimensions	l/b/h(mm)	1884/715/629	1884/715/629	1884/715/629		
		Max. battery weight	kg	1790	1790	1790		
	8.1	Type of drive unit		IGBT/AC	IGBT/AC	IGBT/AC		
a ion	10.1	Operating pressure for attachments	bar	350	350	350		
Addition data	10.8	Towing coupling, type DIN 15170		Ф50Pin	Ф50Pin	Ф50Pin		