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ISO45001
ISO45001:2018



ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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X Series Electric Lithium-ion Cushion Tire Forklift

with capacity of 3,000 to 6,500lbs

HANGCHA Lithium-ion

Re-imagining **POWER**



Making Material Handling Easier
SINCE 1956



APPEARANCE

The X Series Electric Lithium-ion Cushion Tire Forklift, with a load capacity of 3,000-6,500lbs, is designed to work in North American warehouses and manufacturing facilities. Thanks to its small and compact design, these lithium-ion cushion forklifts are very agile in a warehouse environment. The exterior of this electric forklift is also powder coated in a durable, easy to see, green finish that designates it as lithium-ion powered.



COMFORTABLE OPERATION

In developing the X Series Electric Lithium-ion Cushion Tire Forklift, ergonomic design, comfort, and ease of operation were carefully considered. This is because comfortable operating environments contribute to increased productivity among operators.

Ergonomic Design

- / The low-vibration, comfortable seat can be adjusted back and forth by 5.9". This combined with the adjustable dip angle steering wheel allows the operator to be able to find their optimal driving position.
- / The rubber & plastic pedal pad allows the operator to keep their footing when safely getting on or off the truck.
- / Power steering provides smooth, responsive operation while isolating vibration and shock.
- / The LCD color monitor instrument display allows the operator to easily and efficiently control the machine. The monitor provides information about speed level, steer angle, travel direction, battery discharge indicator, hour meter, and working mode. The operator can select various performance modes from this display to meet all working conditions.



The ergonomically designed operator compartment allows the operator to have a wide field of vision.



Easy-To-See LCD Instrument Display

SAFE

Hangcha designed the X Series Electric Lithium-ion Cushion Tire Forklift to be safe. By using an OPS System, the automatic deceleration while turning feature, and electronic/hydraulic overload sensors, Hangcha is able to keep operators safe while operating the lithium-ion cushion forklift

- / The X Series Electric Lithium-ion Cushion Tire Forklift is designed with operator visibility in mind to ensure a safe operational environment.
- / This forklift features an Operator Presence Sensing (OPS) System to ensure that the forklift is safe and unintentional movements of the forklift won't occur.
- / The controller senses when the forklift is being turned and reduces its speed automatically. This ensures the safety of both the operator and the forklift.
- / When the forks are being lowered, a control valve maintains the lowering speed. The lowering safety valve prevents forks from dropping down in case of sudden damage to the hydraulic line.
- / The forklift features both electronic and hydraulic overload protection sensors.

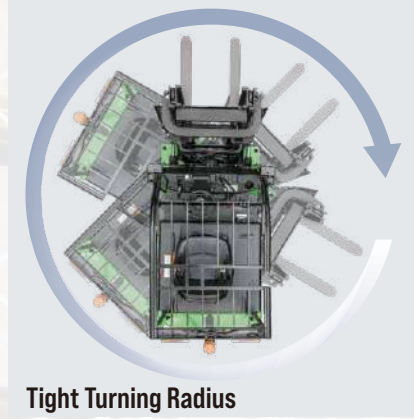


The strong overhead guard exceeds ANSI and ITSDF regulations and offers great protection while maintaining excellent all-around visibility.

HIGHLY EFFICIENT

Designed around an 48V system and a Lithium Iron Phosphate (LiFePO₄) battery pack, the X Series Electric Lithium-ion Cushion Tire Forklift provides users with an energy saving and efficient alternative to lead acid powered cushion forklifts.

- / The regenerative braking system saves electric energy effectively and increases the operating time between charging.
- / The high-power oil pump motor and large displacement gear pump are applied to increase lifting and lowering speed, and improve working efficiency.
- / Several speed modes are provided to accommodate different working conditions.
- / Thanks to its small and compact design, these lithium-ion cushion forklifts have a tight turning radius and are able to work efficiently in different applications.

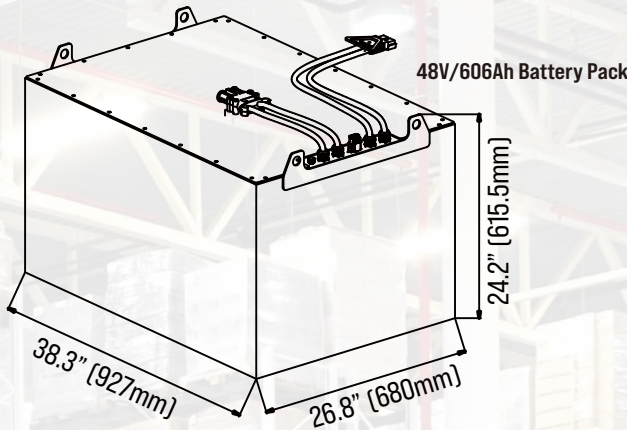


Tight Turning Radius

LITHIUM-ION POWER

Lithium Iron Phosphate Battery Packs

- / Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation.
- / Lithium Iron Phosphate (LiFePO₄) cells are used in the battery packs to ensure the safety of the operators and the operational environment.
- / See warranty certificate for specific warranty information on the Lithium Iron Phosphate battery packs.



X Series Electric Lithium-ion Cushion Tire Forklift Lithium-ion Battery Capacity		
Load Capacity (lb)	Standard Battery Capacity (V/Ah) (kW-h)	Optional Battery Capacity (V/Ah) (kW-h)
3,000-3,500lbs	48V/604Ah 28.99kW-h	N/A
4,000-6,500lbs	48V/684Ah 32.83kW-h	48V/912Ah 43.78kW-h

*EE Rated Forklift uses different battery capacities than the ones listed in the chart above.

X Series Electric Lithium-ion Cushion Tire Forklift Lithium-ion Battery Average Running Times		
Load Capacity (lb)	Standard Battery Running Time (hour)	Optional Battery Running Time (hour)
3,000-3,500lbs	8.3 hours	N/A
4,000-6,500lbs	7.2 hours	9.6 hours

*Run time will be dependent on customer application and use.

Easy Access Charging Port

The forklift features an easy access, charging ports on the right side of the forklift to provide operators with a convenient way to charge the forklift. (not available on EE Rated Forklift)



Maintenance-Free Battery Pack

The forklift features a Lithium Iron Phosphate (LiFePO₄) battery pack doesn't require any regular maintenance performed on the battery pack.



2 Hour Charging Time

The X Series Electric Lithium-ion Cushion Forklift is able to charge in 2 hours depending on which Hangcha Lithium-ion charger is used.





RELIABLE & EASY TO MAINTAIN

Hangcha designed the X Series Electric Lithium-ion Cushion Forklift to be reliable and easy to maintain. By using key components, specific designs, and testing, Hangcha is able to build a reliable forklift that operators can count on.

- / Tool-free removal of baseplate enables easy service and maintenance of various systems.
- / Brake fluid can easily be added by opening a cover on the dashboard and then opening the brake fluid reservoir.
- / The innovative dual-door structure enables easy access to the hydraulic pump motor, pump. These doors are also designed to be both waterproof and dustproof.
- / The MOSFET integrated control system provides accurate control of traveling, fork movement, and adjustment of the performance of the motors. The forklift will also not roll back on a ramp thanks to the controller. The controller, connectors, battery plug, and emergency switch are all parts from industry known suppliers to ensure reliability, performance, and ease of service.



Easy-Access to Key Components

STANDARD CONFIGURATION

/ 4 Pre-Set Performance Modes (Super, Power, Economy, SPE)	/ DC-DC Converter	/ Full Suspension Seat	/ 34.57" x 26.77" x 23.82" Battery Compartment (3,000 - 3,500 lb)
/ LED Headlamp, Direction Indication Lamp, & LED Rear Combination Lights	/ Dual-Spool Multi-Way Valve	/ Backup Alarm	/ 38.58" x 30.16" x 23.82" Battery Compartment (4,000 - 5,000 lb)
/ Operator Presence Sensing (OPS) System	/ Load Sensing, On-Demand, AC Controlled Hydraulic Power Steering	/ Limited Free Lift 2 Stage Mast	/ 38.58" x 33.90" x 23.82" Battery Compartment (6,000 - 6,500 lb)
	/ Smooth Cushion Tires	/ AC Traction Motor	
	/ Panoramic Rearview Mirror	/ AC Pump Motor	
		/ Strobe Light	
		/ Lithium-ion Battery Pack	

OPTIONS

/ Cold Storage	/ 12 Volt Power Supply	/ Full Free Lift 2 Stage Mast	/ Drive In Rack Overhead Guard
/ Blue Light	/ Battery Side Extraction	/ Full Free Lift 3 Stage Mast	/ Rear Grip with Horn Button
/ Battery Charger	/ Traction Tires	/ Sideshifter	/ Other Accessories
/ Fire Extinguisher	/ Non-Marking Tires	/ Finger Tip Controls	/ Other Lengths of Forks

EE Rated Option

The X Series Electric Lithium-ion Cushion Forklift is also available to be built to an EE rating. This means that any of the electrical components with the potential to spark are enclosed and allow it to be used in hazardous environments where flammable materials are found.

- / The forklift is built and certified to the industry's EE standard. This means that the battery, motors, electrical connections, and other electrical components with the potential to spark are enclosed.
- / These forklifts are custom built meaning they carry a different model number, and may contain different specifications than the standard X Series Electric Lithium-ion Cushion Tire Forklift. Please see the EE Rated Forklift's specification table at the end of the brochure.
- / The EE rated forklift features a different battery capacity than the standard X Series Electric Lithium-ion Cushion Tire Forklift. The battery charger is similar except it uses a REMA connector instead of gun connector. Please see the battery capacity table below.

EE Rated X Series Electric Lithium-ion Cushion Tire Forklift Lithium-ion Battery Capacity	
Load Capacity (lb)	Standard Battery Capacity (V/Ah) (kW-h)
4,000-6,500lbs	48V/684Ah 32.83kW-h

- / The EE rated forklift features a different standard configuration and different options than the standard X Series Electric Lithium-ion Cushion Tire Forklift. Please see the standard configuration and options list below.



The EE rated forklift's electrical components are enclosed to prevent sparks in hazardous conditions.



The EE rated forklift features a sealed Lithium Iron Phosphate (LiFePO₄) battery pack.

EE RATED STANDARD CONFIGURATION

/ 4 Pre-Set Performance Modes (Super, Power, Economy, SPE) / LED Headlamp, Direction Indication Lamp, & LED Rear Combination Lights / Operator Presence Sensing (OPS) System	/ DC-DC Converter / Dual-Spool Multi-Way Valve / Load Sensing, On-Demand, AC Controlled Hydraulic Power Steering / Smooth Cushion Tires	/ Panoramic Rearview Mirror / Backup Alarm / Limited Free Lift 2 Stage Mast / AC Traction Motor / AC Pump Motor / Strobe Light	/ Lithium-ion Battery Pack / Full Suspension Seat / 38.58" x 30.16" x 23.82" Battery Compartment (4,000 - 5,000 lb) / 38.58" x 33.90" x 23.82" Battery Compartment (6,000 - 6,500 lb)
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EE RATED OPTIONS

/ Cold Storage / Blue Light / Battery Charger / Fire Extinguisher	/ 12 Volt Power Supply / Battery Side Extraction / Traction Tires / Finger Tip Controls	/ Full Free Lift 2 Stage Mast / Full Free Lift 3 Stage Mast / Sideshifter	/ Drive In Rack Overhead Guard / Other Accessories / Other Lengths of Forks
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3,000 - 3,500lb Mast Specification

Type	Model	Lifting Height	Overall Height				Free Lifting Height		Front Overhang	Tilting Range		Capacity	
			Lowered	Extended		With Backrest	Without Backrest	Forward		Backward	Load Capacity at 24in (600mm)		
				With Backrest	Without Backrest						3000lb	3500lb	
		in(mm)	in(mm)	in(mm)	in(mm)	in(mm)	in(mm)	in(mm)	deg	deg	lb(kg)	lb(kg)	
Limited Free Lift 2 Stage Mast	XC15M200	78.7(2000)	57.6(1464)	116.3(2955)	99.7(2533)	5.3(135)	5.3(135)	15.4(391)	6	6	3000(1360)	3500(1600)	
	XC15M250	98.4(2500)	67.5(1714)	136(3455)	119.4(3033)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M270	106.3(2700)	71.4(1814)	143.9(3655)	127.3(3233)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M300	118.1(3000)	77.3(1964)	155.7(3955)	139.1(3533)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M330	129.9(3300)	83.2(2114)	167.5(4255)	150.9(3833)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M350	137.8(3500)	87.2(2214)	175.4(4455)	158.8(4033)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M360	141.7(3600)	91.1(2314)	179.3(4555)	162.7(4133)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M370	145.7(3700)	93.1(2364)	183.3(4655)	166.7(4233)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M400	157.5(4000)	100.9(2564)	195.1(4955)	178.5(4533)	5.3(135)	5.3(135)	15.4(391)	6	8	3000(1360)	3500(1600)	
	XC15M430	169.3(4300)	106.9(2714)	206.9(5255)	190.3(4833)	5.3(135)	5.3(135)	15.4(391)	6	6	3000(1360)	3500(1600)	
	XC15M450	177.2(4500)	110.8(2814)	214.8(5455)	198.1(5033)	5.3(135)	5.3(135)	15.4(391)	6	6	2866(1300)	3263(1480)	
	XC15M480	189(4800)	116.7(2964)	226.6(5755)	210(5333)	5.3(135)	5.3(135)	15.4(391)	6	6	2690(1220)	3086(1400)	
	XC15M500	196.9(5000)	120.6(3064)	234.4(5955)	217.8(5533)	5.3(135)	5.3(135)	15.4(391)	6	6	2425(1100)	2866(1300)	
	Full Free Lift 2 Stage Mast	XC15U200	78.7(2000)	57.6(1464)	115.9(2945)	99.8(2535)	20.4(519)	36.6(929)	15.4(391)	6	6	3000(1360)	3500(1600)
XC15U250		98.4(2500)	67.5(1714)	135.6(3445)	119.5(3035)	30.3(768.5)	46.4(1179)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U270		106.3(2700)	71.4(1814)	143.5(3645)	127.4(3235)	34.2(869)	50.3(1279)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U300		118.1(3000)	77.3(1964)	155.3(3945)	139.2(3535)	40.1(1019)	56.3(1429)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U330		129.9(3300)	83.2(2114)	167.1(4245)	151(3835)	46(1169)	62.2(1579)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U350		137.8(3500)	87.2(2214)	175(4445)	158.9(4035)	50(1269)	66.1(1679)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U360		141.7(3600)	89.1(2264)	178.9(4545)	162.8(4135)	51.9(1319)	68.1(1729)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U370		145.7(3700)	91.1(2314)	182.9(4645)	166.7(4235)	53.9(1369)	70(1779)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15U400		157.5(4000)	99(2514)	194.7(4945)	178.5(4535)	61.8(1569)	77.9(1979)	15.4(391)	6	8	3000(1360)	3500(1600)	
XC15M400		157.5(4000)	73.4(1864)	195.1(4955)	179.1(4550)	36.2(919)	52.3(1329)	15.7(399)	6	6	3000(1360)	3500(1600)	
Full Free Lift 3 Stage Mast	XC15N430	169.3(4300)	77.3(1964)	206.9(5255)	190.9(4850)	40.1(1019)	56.3(1429)	15.7(399)	6	6	2822(1280)	3307(1500)	
	XC15N450	177.2(4500)	79.3(2014)	214.8(5455)	198.8(5050)	42.1(1069)	58.2(1479)	15.7(399)	6	6	2646(1200)	3131(1420)	
	XC15N480	189(4800)	83.2(2114)	226.6(5755)	210.4(5345)	46(1169)	62.2(1579)	15.7(399)	6	6	2469(1120)	2954(1340)	
	XC15N500	196.9(5000)	87.2(2214)	234.4(5955)	218.3(5545)	50(1269)	65.9(1679)	15.7(399)	6	6	2315(1050)	2778(1260)	
	XC15N550	216.5(5500)	93.9(2384)	253.7(6445)	237.6(6035)	56.7(1439)	72.6(1849)	15.7(399)	3	6	1940(880)	2425(1100)	
	XC15N600	236.2(6000)	101.7(2584)	273.4(6945)	257.3(6535)	64.5(1639)	80.5(2049)	15.7(399)	3	6	1323(600)	1764(800)	

With hang on sideshifter minus 300lb(135kg),with integral sideshifter minus 200lb(90kg).

6,000 - 6,500lb Mast Specification

Type	Model	Lifting Height	Overall Height				Free Lifting Height		Tilting Range		Capacity	
			Lowered	Extended		With Backrest	Without Backrest	Forward	Backward	Load Capacity at 24in (600mm)		
				With Backrest	Without Backrest					6000lb lb(kg)	6500lb lb(kg)	
Limited Free Lift 2 Stage Mast												
	XC30M200	78.7(2000)	57.8(1470)	123.8(3145)	105.4(2676)	5.3(135)	5.3(135)	6	6	6000(2720)	6500(2950)	
	XC30M250	98.4(2500)	67.7(1720)	143.5(3645)	125(3176)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M270	106.3(2700)	71.6(1820)	151.4(3845)	132.9(3376)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M300	118.1(3000)	77.5(1970)	163.2(4145)	144.7(3676)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M330	129.9(3300)	83.4(2120)	175(4445)	156.5(3976)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M350	137.8(3500)	87.4(2220)	182.9(4645)	164.4(4176)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M360	141.7(3600)	91.3(2320)	186.8(4745)	168.3(4276)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M370	145.7(3700)	93.3(2370)	190.7(4845)	172.3(4376)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M400	157.5(4000)	101.1(2570)	202.6(5145)	184.1(4676)	5.3(135)	5.3(135)	6	8	6000(2720)	6500(2950)	
	XC30M430	169.3(4300)	107(2720)	214.4(5445)	195.9(4976)	5.3(135)	5.3(135)	6	6	5908(2680)	6415(2910)	
	XC30M450	177.2(4500)	111(2820)	222.2(5645)	203.8(5176)	5.3(135)	5.3(135)	6	6	5842(2650)	6349(2880)	
	XC30M480	189(4800)	116.9(2970)	234.1(5945)	215.6(5476)	5.3(135)	5.3(135)	6	6	5732(2600)	6239(2830)	
	XC30M500	196.9(5000)	120.8(3070)	241.9(6145)	223.5(5676)	5.3(135)	5.3(135)	6	6	5530(2510)	6063(2750)	
	XC30U200	78.7(2000)	59.8(1520)	123.8(3145)	105.9(2690)	14.7(375)	32.7(831)	6	6	6000(2720)	6500(2950)	
	XC30U250	98.4(2500)	69.6(1770)	143.5(3645)	125.6(3190)	24.6(625)	42.6(1081)	6	8	6000(2720)	6500(2950)	
	XC30U270	106.3(2700)	73.6(1870)	151.4(3845)	133.5(3390)	28.5(725)	46.5(1181)	6	8	6000(2720)	6500(2950)	
	XC30U300	118.1(3000)	79.5(2020)	163.2(4145)	145.3(3690)	34.4(875)	52.4(1331)	6	8	6000(2720)	6500(2950)	
	XC30U330	129.9(3300)	85.4(2170)	175(4445)	157.1(3990)	40.3(1025)	58.3(1481)	6	8	6000(2720)	6500(2950)	
	XC30U350	137.8(3500)	89.3(2270)	182.9(4645)	165(4190)	44.2(1125)	62.3(1581)	6	8	6000(2720)	6500(2950)	
	XC30U360	141.7(3600)	91.3(2320)	186.8(4745)	168.9(4290)	46.2(1175)	64.2(1631)	6	8	6000(2720)	6500(2950)	
	XC30U370	145.7(3700)	93.3(2370)	190.7(4845)	172.8(4390)	48.2(1225)	66.2(1681)	6	8	6000(2720)	6500(2950)	
	XC30U400	157.5(4000)	101.1(2570)	202.6(5145)	184.6(4690)	56.1(1425)	74.1(1881)	6	8	6000(2720)	6500(2950)	
	XC30N400	157.5(4000)	77.6(1970)	202.6(5145)	184.6(4690)	32.5(825)	50.4(1281)	6	6	6000(2720)	6500(2950)	
	XC30N430	169.3(4300)	79.5(2020)	214.4(5445)	196.5(4990)	34.4(875)	52.4(1331)	6	6	5886(2670)	6393(2900)	
	XC30N450	177.2(4500)	83.5(2120)	222.2(5645)	204.3(5190)	38.4(975)	56.3(1431)	6	6	5798(2630)	6305(2860)	
	XC30N480	189(4800)	89.4(2270)	234.1(5945)	216.1(5490)	44.3(1125)	62.2(1581)	6	6	5688(2580)	6195(2810)	
	XC30N500	196.9(5000)	93.3(2370)	241.9(6145)	224(5690)	48.2(1225)	66.2(1681)	6	6	5490(2490)	6041(2740)	
	XC30N550	216.5(5500)	101.2(2570)	261.6(6645)	243.7(6190)	56.1(1425)	74.1(1881)	3	6	5093(2310)	5644(2560)	
	XC30N600	236.2(6000)	111(2820)	281.3(7145)	263.4(6690)	65.9(1675)	83.9(2131)	3	6	4101(1860)	4189(1900)	
	XC25F610	240.2(6100)	83.5(2120)	281.3(7146)	262.2(6661)	43.9(1114)	63(1599)	3	6	4079(1850)	4189(1900)	
	XC25F660	259.8(6600)	89.4(2270)	299.6(7611)	280.6(7126)	49.8(1264)	68.9(1749)	3	6	3527(1600)	3638(1650)	
	XC25F700	275.6(7000)	95.3(2420)	317.4(8061)	298.3(7576)	55.7(1414)	74.8(1899)	3	6	2866(1300)	2976(1350)	
	XC25F730	287.4(7300)	99.2(2520)	329(8356)	309.9(7871)	59.6(1514)	78.7(1999)	3	6	2205(1000)	2315(1050)	

With hang on sideshifter minus 495lb(1.80kg),with integral sideshifter minus 200lb(90kg).

4,000 - 5,000lb Mast Specification

Type	Model	Lifting Height	Overall Height				Free Lifting Height		Front Overhang	Tilting Range		Capacity	
			Lowered	Extended		With Backrest	Without Backrest	Forward		Backward	Load Capacity at 24in (600mm)		
				With Backrest	Without Backrest								
				in(mm)	in(mm)								in(mm)
Limited Free Lift 2 Stage Mast	XC25M200	78.7(2000)	57.9 (1470)	120.2(3052)	103.4(2627)	5.5 (140)	5.5 (140)	16.8(427)	6	6T	4000(1810)	5000(2270)	
	XC25M250	98.4(2500)	67.7 (1720)	139.8(3552)	123.1(3127)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M270	106.3(2700)	71.7 (1820)	147.7(3752)	131(3327)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M300	118.1(3000)	77.6 (1970)	159.5(4052)	142.8(3627)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M330	129.9(3300)	83.5 (2120)	171.3(4352)	154.6(3927)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M350	137.8(3500)	87.4 (2220)	179.2(4552)	162.5(4127)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M360	141.7(3600)	91.3 (2320)	183.1(4652)	166.4(4227)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M370	145.7(3700)	93.3(2370)	187.1(4752)	170.4(4327)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M400	157.5(4000)	101.2 (2570)	198.9(5052)	182.2(4627)	5.5 (140)	5.5 (140)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25M430	169.3(4300)	107.1 (2720)	210.7(5352)	194(4927)	5.5 (140)	5.5 (140)	16.8(427)	6	6	4000(1810)	5000(2270)	
Full Free Lift 2 Stage Mast	XC25M450	177.2(4500)	111 (2820)	218.5(5552)	201.9(5127)	5.5 (140)	5.5 (140)	16.8(427)	6	6	3920(1780)	4910(2230)	
	XC25M480	189(4800)	116.9 (2970)	230.4(5852)	213.7(5427)	5.5 (140)	5.5 (140)	16.8(427)	6	6	3810(1730)	4760(2160)	
	XC25M500	196.9(5000)	120.9 (3070)	238.3(6052)	221.5(5627)	5.5 (140)	5.5 (140)	16.8(427)	6	6	3670(1665)	4580(2080)	
	XC25U200	78.7(2000)	57.8(1470)	238.3(6052)	103.1(2620)	16.5(418)	33.2(843)	16.8(427)	6	6	4000(1810)	5000(2270)	
	XC25U250	98.4(2500)	67.7(1720)	120.2(3052)	122.8(3120)	26.3(668)	43(1093)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U270	106.3(2700)	71.6(1820)	139.8(3552)	130.7(3320)	30.2(768)	47(1193)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U300	118.1(3000)	77.5(1970)	147.7(3752)	142.5(3620)	36.1(918)	52.9(1343)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U330	129.9(3300)	83.4(2120)	159.5(4052)	154.3(3920)	42(1068)	58.8(1493)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U350	137.8(3500)	87.4(2220)	171.3(4352)	162.2(4120)	46(1168)	62.7(1593)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U360	141.7(3600)	87.4(2220)	179.2(4552)	166.1(4220)	48(1218)	64.7(1643)	16.8(427)	6	8	4000(1810)	5000(2270)	
Full Free Lift 3 Stage Mast	XC25U370	145.7(3700)	91.3(2320)	183.1(4652)	170.1(4320)	50(1268)	66.7(1693)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25U400	157.5(4000)	92.2(2520)	187.1(4752)	181.9(4620)	57.8(1468)	74.5(1893)	16.8(427)	6	8	4000(1810)	5000(2270)	
	XC25N400	157.5(4000)	73.6(1870)	198.9(5052)	181.9(4620)	32.2(818)	49.3(1251)	16.9(431)	6	6	4000(1810)	5000(2270)	
	XC25N430	169.3(4300)	77.5(1970)	210.7(5352)	193.7(4920)	36.1(918)	53.2(1351)	16.9(431)	6	6	4000(1810)	5000(2270)	
	XC25N450	177.2(4500)	79.5(2020)	218.5(5552)	201.6(5120)	38.1(968)	55.2(1401)	16.9(431)	6	6	3900(1770)	4890(2220)	
	XC25N480	189(4800)	83.4(2120)	230.4(5852)	213.4(5420)	42(1068)	59.1(1501)	16.9(431)	6	6	3790(1720)	4740(2150)	
	XC25N500	196.9(5000)	86.4(2195)	238.3(6052)	221.3(5620)	45(1143)	62(1576)	16.9(431)	6	6	3640(1655)	4540(2060)	
	XC25N550	216.5(5500)	93.3(2370)	258(6552)	240.9(6120)	51.9(1318)	68.9(1751)	16.9(431)	3	6	3240(1470)	4050(1840)	
	XC25N600	236.2(6000)	101.1(2570)	277.6(7052)	260.6(6620)	59.8(1518)	76.8(1951)	16.9(431)	3	6	2240(1020)	3000(1360)	
	Quad Mast	XC25F610	240.2(6100)	83.5(2120)	287.3(7146)	262.2(6661)	43.9(1141)	63(1599)	18.5(471)	3	6	2205(1000)	3000(1360)
XC25F660		259.8(6600)	89.4(2270)	299.6(7611)	280.6(7126)	49.8(1264)	68.9(1749)	18.5(471)	3	6	1764(800)	2558(1160)	
XC25F700		275.6(7000)	95.3(2420)	317.4(8061)	298.3(7576)	55.7(1414)	74.8(1899)	18.5(471)	3	6	1323(600)	2094(950)	
XC25F730		287.4(7300)	99.2(2520)	329(8356)	309.9(7871)	59.6(1514)	78.7(1999)	18.5(471)	3	6	993(450)	1764(800)	

X Series Electric Lithium-ion Cushion Tire Forklift

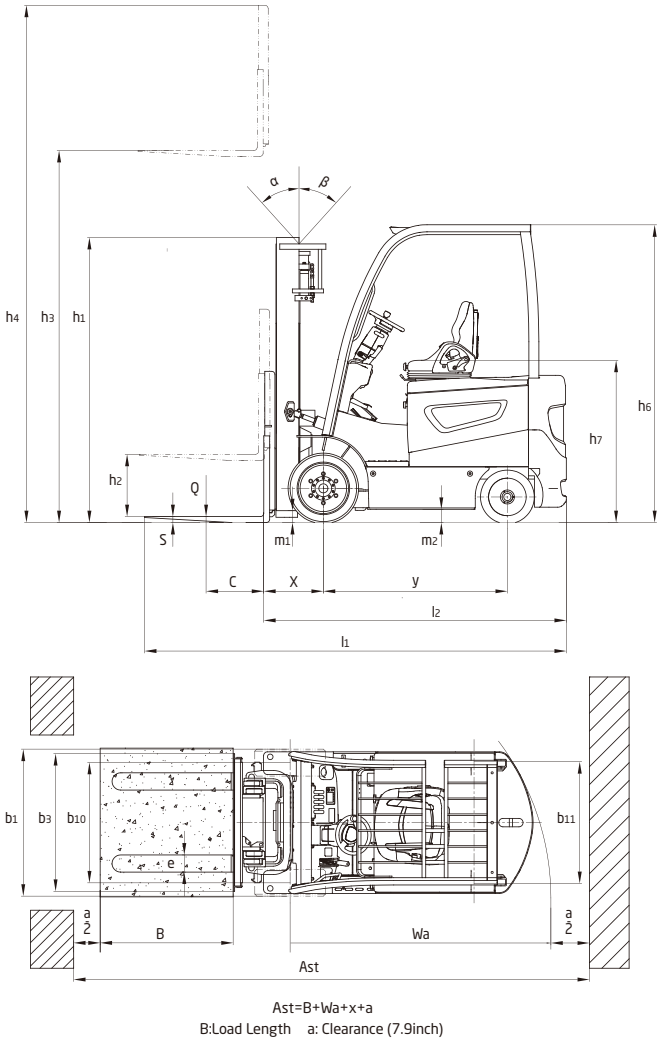
Distinguishing Marks	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.					
		HCFA Model			FB15CLi	FB18CLi	FB20CLi	FB25CLi	FB30CLi	FB32CLi
	1.2	Model			CPD15-XD2-CI	CPD18-XD2-CI	CPD20-XD2-CI	CPD25-XD2-CI	CPD30-XD2-CI	CPD32-XD2-CI
	1.3	Power Type: Electric, Gas, Diesel, LPG			Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operation Type			Sit Down	Sit Down	Sit Down	Sit Down	Sit Down	Sit Down
	1.5	Load Capacity/Rated Load	Q	lb(kg)	3000(1360)	3500(1600)	4000(1810)	5000(2270)	6000(2720)	6500(2950)
	1.6	Load Centre Distance	c	in(mm)	24(600)	24(600)	24(600)	24(600)	24(600)	24(600)
	1.7	Load Distance, centre of drive axle to fork	x	in(mm)	15.4(391)	15.4(391)	6.8(427)	16.8(427)	17.7(450)	17.7(450)
	1.8	Wheelbase	y	in(mm)	48(1220)	48(1220)	51(1295)	51(1295)	54.7(1390)	54.7(1390)
Weight	2.1	Service Weight		lb(kg)	6920(3140)	7190(3260)	8466(3840)	9160(4155)	10141(4600)	10648(4830)
Tires	3.1	Tires Type			Cushion	Cushion	Cushion	Cushion	Cushion	Cushion
	3.2	Tire Size, front			18x6x12 -1/8	18x6x12 -1/8	21x7x15	21x7x15	21x8x15	21x8x15
	3.3	Tire Size, rear			14x5x10	14x5x10	16x5x10-1/2	16x5x10-1/2	16x6x10-1/2	16x6x10-1/2
	3.4	Number of Wheels, front / rear(x=driven)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.5	Track Width, front	b ₁₀	in(mm)	31.9(810)	31.9(810)	35(890)	35(890)	35.8(910)	35.8(910)
	3.6	Track Width, rear	b ₁₁	in(mm)	33.7(855)	33.7(855)	36.2(920)	36.2(920)	36.2(920)	36.2(920)
Dimensions	4.1	Tilt of Mast/Fork Carriage Forward/Backward	α/β	(°)	6/8	6/8	6/8	6/8	6/8	6/8
	4.2	Height, mast lowered	h ₁	in(mm)	77.3(1963.5)	77.3(1963.5)	77.6(1970)	77.6(1970)	77.6(1970)	77.6(1970)
	4.3	Height, mast extended	h ₄	in(mm)	155.7(3955)	155.7(3955)	159.3(4045)	159.3(4045)	163.2 (4145)	163.2 (4145)
	4.4	Free Lift	h ₂	in(mm)	5.3(135)	5.3(135)	5.5(140)	5.5(140)	5.3(135)	5.3(135)
	4.5	Lift	h ₃	in(mm)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)
	4.6	Overhead Guard Height	h ₆	in(mm)	88(2235)	88(2235)	88.6(2250)	88.6(2250)	88.6(2250)	88.6(2250)
	4.7	Overall Length	l ₁	in(mm)	112.2(2849)	112.2(2849)	127.5(3238)	127.5(3238)	133.3(3386)	133.3(3386)
	4.8	Length to Fork Face	l ₂	in(mm)	75.9(1929)	75.9(1929)	85.4(2168)	85.4(2168)	91.2(2316)	91.2(2316)
	4.9	Overall Width	b ₁	in(mm)	38(964)	38(964)	42.1(1070)	42.1(1070)	43.8(1113)	43.8(1113)
	4.10	Fork Dimensions	s×e×l	in(mm)	1.4×3.9×36.2(35/100/920)	1.4×3.9×36.2(35/100/920)	1.6×4.8×42(40/122/1070)	1.6×4.8×42(40/122/1070)	1.8×4.8×42(45/122/1070)	1.8×4.8×42(45/122/1070)
	4.11	Fork Carriage DIN 15 173, class/type A,B			IIA	IIA	IIA	IIA	IIIA	IIIA
	4.12	Fork-Carriage Width	b ₃	in(mm)	35.4(900)	35.4(900)	40.9(1038)	40.9(1038)	43.3(1100)	43.3(1100)
	4.13	Ground Clearance, with load, below mast	m ₁	in(mm)	3.3(83.5)	3.3(83.5)	3.5(90)	3.5(90)	3.5(90)	3.5(90)
	4.14	Ground Clearance, center of wheelbase	m ₂	in(mm)	3.4(86)	3.4(86)	3.9(100)	3.9(100)	3.9(100)	3.9(100)
	4.15	Aisle Width for Pallets 40" x 48" Crossways	Ast	in(mm)	130(3300)	130(3300)	137.4(3490)	137.4(3490)	143.7(3650)	143.7(3650)
	4.16	Aisle Width for Pallets 32" x 48" Crossways	Ast	in(mm)	137.8(3500)	137.8(3500)	145.3(3690)	145.3(3690)	151.5(3850)	151.5(3850)
	4.17	Turning Radius, outside	Wa	in(mm)	67.3(1710)	67.3(1710)	73.3(1863)	73.3(1863)	78.7(2000)	78.7(2000)
Performance Data	5.1	Travel Speed, with/without load		mph (km/h)	10.9(17.5)/11.2(18)	10.6(17)/11.2(18)	11.5 (18.5)/11.5(18.5)	11.5 (18.5)/11.5(18.5)	11.2(18)/11.5(18.5)	11.2(18)/11.5(18.5)
	5.2	Lift Speed, with/without load		fpm (mm/s)	85(430)/142(720)	81(410)/142(720)	88.6(450)/129.9(660)	78.7(400)/129.9(660)	69(350)/116.1(590)	65(330)/116.1(590)
	5.3	Lowering Speed, with/without load		fpm (mm/s)	98(500)/108(550)	98(500)/108(550)	98.4(500)/98.4(500)	98.4(500)/98.4(500)	98.4(500)/98.4(500)	98.4(500)/98.4(500)
	5.4	Max. Drawbar Pull, with/without load		lbf(N)	2100(9350)/1710(7600)	2080(9250)/1680(7460)	3316(14750)/2142(9530)	3290(14640)/2010(8950)	3160(14070)/2350(10440)	3160(14070)/2270(10100)
	5.5	Max. Gradeability, with/without load		%	20/21	20/21	23/25	19/21	17/20	17/19
	5.6	Service Brake, operation / control			Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic
	5.7	Parking Brake, operation / control			Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	Hand / Mechanical
	5.8	Steering, type			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Drive	6.1	Drive Motor, 60 minute rating		HP (kW)	14.8(11)	14.8(11)	24.1(18)	24.1(18)	24.1(18)	24.1(18)
	6.2	Pump Motor, 15 minute rating		HP (kW)	18.4(13.7)	18.4(13.7)	24.1(18)	24.1(18)	24.1(18)	24.1(18)
	6.3	Battery Voltage		volts	48	48	48	48	48	48
	6.4	Battery Capacity		Ah/6 hr. rate	604	604	684	684	684	684
	6.6	Battery Weight		lb(kg)	694(315)	694(315)	849(385)	849(385)	849(385)	849(385)
Other	7.1	Drive Motor Control			MOSFET AC	MOSFET AC	MOSFET AC	MOSFET AC	MOSFET AC	MOSFET AC
	7.2	Working Pressure for Attachments		psi (bar)	2280(157)	2280(157)	2698(181)	2698(181)	2698(181)	2698(181)

NOTE: Most values shown in this publication are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown.
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EE Rated X Series Electric Lithium-ion Cushion Tire Forklift

Distinguishing Marks	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.			
		HCFA Model			FB20CEELI	FB25CEELI	FB30CEELI	FB32CEELI
	1.2	Model			CPD20-XD2-CINU2	CPD25-XD2-CINU2	CPD30-XD2-CINU2	CPD32-XD2-CINU2
	1.3	Power Type: Electric, Gas, Diesel, LPG			Electric	Electric	Electric	Electric
	1.4	Operation Type			Sit down	Sit down	Sit down	Sit down
	1.5	Load Capacity/Rated Load	Q	lb(kg)	4000(1810)	5000(2270)	6000(2720)	6500(2950)
	1.6	Load Centre Distance	c	in(mm)	24(600)	24(600)	24(600)	24(600)
	1.7	Load Distance, centre of drive axle to fork	x	in(mm)	6.8(427)	16.8(427)	17.7(450)	17.7(450)
	1.8	Wheelbase	y	in(mm)	51(1295)	51(1295)	54.7(1390)	54.7(1390)
Weight	2.1	Service Weight		lb(kg)	8466(3840)	9160(4155)	10141(4600)	10648(4830)
Tires	3.1	Tires Type			Cushion	Cushion	Cushion	Cushion
	3.2	Tire Size, front			21x7-15	21x7-15	21x8-15	21x8-15
	3.3	Tire Size, rear			16x5-10.5	16x5-10.5	16x6-10.5	16x6-10.5
	3.4	Number of Wheels, front / rear(x=driven)			2x/2	2x/2	2x/2	2x/2
	3.5	Track Width, front	b10	in(mm)	35(890)	35(890)	35.8(910)	35.8(910)
	3.6	Track Width, rear	b11	in(mm)	36.2(920)	36.2(920)	36.2(920)	36.2(920)
Dimensions	4.1	Tilt of Mast/Fork Carriage Forward/Backward	α/β	(°)	6/8	6/8	6/8	6/8
	4.2	Height, mast lowered	h1	in(mm)	77.6(1970)	77.6(1970)	77.6(1970)	77.6(1970)
	4.3	Height, mast extended	h4	in(mm)	159.3(4045)	159.3(4045)	163.2 (4145)	163.2 (4145)
	4.4	Free Lift	h2	in(mm)	5.5(140)	5.5(140)	5.3(135)	5.3(135)
	4.5	Lift	h3	in(mm)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)
	4.6	Overhead Guard Height	h6	in(mm)	88.6(2250)	88.6(2250)	88.6(2250)	88.6(2250)
	4.7	Overall Length	l1	in(mm)	127.5(3238)	127.5(3238)	133.3(3386)	133.3(3386)
	4.8	Length to Fork Face	l2	in(mm)	85.4(2168)	85.4(2168)	91.2(2316)	91.2(2316)
	4.9	Overall Width	b1	in(mm)	42.1(1070)	42.1(1070)	43.8(1113)	43.8(1113)
	4.10	Fork Dimensions	s×e×l	in(mm)	1.6×4.8×42(40/122/1070)	1.6×4.8×42(40/122/1070)	1.8×4.8×42(45/122/1070)	1.8×4.8×42(45/122/1070)
	4.11	Fork Carriage DIN 15 173, class/type A,B			IIA	IIA	IIIA	IIIA
	4.12	Fork-Carriage Width	b3	in(mm)	40.9(1038)	40.9(1038)	43.3(1100)	43.3(1100)
	4.13	Ground Clearance, with load, below mast	m1	in(mm)	3.5(90)	3.5(90)	3.5(90)	3.5(90)
	4.14	Ground Clearance, center of wheelbase	m2	in(mm)	3.9(100)	3.9(100)	3.9(100)	3.9(100)
	4.15	Aisle Width for Pallets 40" x 48" Crossways	Ast	in(mm)	137.4(3490)	137.4(3490)	143.7(3650)	143.7(3650)
	4.16	Aisle Width for Pallets 32" x 48" Crossways	Ast	in(mm)	145.3(3690)	145.3(3690)	151.5(3850)	151.5(3850)
	4.17	Turning Radius, outside	Wa	in(mm)	73.3(1863)	73.3(1863)	78.7(2000)	78.7(2000)
Performance Data	5.1	Travel Speed, with/without load		mph (km/h)	11.5 (18.5)/11.5(18.5)	11.5 (18.5)/11.5(18.5)	11.2(18)/11.5(18.5)	11.2(18)/11.5(18.5)
	5.2	Lift Speed, with/without load		fpm (mm/s)	88.6(450)/129.9(660)	78.7(400)/129.9(660)	69(350)/116.1(590)	65(330)/116.1(590)
	5.3	Lowering Speed, with/without load		fpm (mm/s)	98.4(500)/98.4(500)	98.4(500)/98.4(500)	98.4(500)/98.4(500)	98.4(500)/98.4(500)
	5.4	Max. Drawbar Pull, with/without load		lbf(N)	3316(14750)/2142(9530)	3290(14640)/2010(8950)	3160(14070)/2350(10440)	3160(14070)/2270(10100)
	5.5	Max. Gradeability, with/without load		%	23/25	19/21	17/20	17/19
	5.6	Service Brake, operation / control			Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic	Pedal / Hydraulic
	5.7	Parking Brake, operation / control			Hand / Mechanical	Hand / Mechanical	Hand / Mechanical	Hand / Mechanical
	5.8	Steering, type			Hydraulic	Hydraulic	Hydraulic	Hydraulic
Drive	6.1	Drive Motor, 60 minute rating		HP (kW)	24.1(18)	24.1(18)	24.1(18)	24.1(18)
	6.2	Pump Motor, 15 minute rating		HP (kW)	24.1(18)	24.1(18)	24.1(18)	24.1(18)
	6.3	Battery Voltage		volts	48	48	48	48
	6.4	Battery Capacity		Ah/6 hr. rate	684	684	684	684
	6.6	Battery Weight		lb(kg)	849(385)	849(385)	849(385)	849(385)
Other	7.1	Drive Motor Control			MOSFET AC	MOSFET AC	MOSFET AC	MOSFET AC
	7.2	Working Pressure for Attachments		psi (bar)	2698(181)	2698(181)	2698(181)	2698(181)

NOTE: Most values shown in this publication are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown.
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Load curve

