HANGCHA

HC FORKLIFT AMERICA CORPORATION

Company address:
10405-A Granite Street
Charlotte, NC 28273

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

america@hcforklift.com
www.hcforkliftamerica.com

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XC Series LITE Electric Pneumatic Tire Forklift With Lithium-ion Technology

with capacity of 4,000 to 7,000lbs

LI-ION TECHNOLOGY

INNOVATIVE LITHIUM-ION

Making Material Handling Easier
SINCE 1956

HANGCHA

INNOVATIVE SOLUTIONS
NEW POWER NOW

The XC Series are a new series of electric pneumatic forklifts with lithium-ion technology. They have a lifting capacity range from 4,000 to 7,000lbs and feature a new chassis designed around the battery by HANGCHA Group.

/ Lithium-ion technology (Lithium Iron-Phosphate), was developed jointly by HANGCHA and CATL for use in material handling equipment applications. These innovative and reliable battery cells and modules are manufactured to the highest standard by CATL exclusively for HANGCHA's forklift line.
/ Rapid and opportunity charging ensures continuous availability of the material handling equipment.
/ Lightweight design, highly efficient, maintenance-free batteries, and a long service life are all benefits of the the XC series.
/ The newly designed chassis has a low center of gravity allowing the operator to feel stable while turning the forklift.

LI-ION TECHNOLOGY

Excellent Ergonomic Design

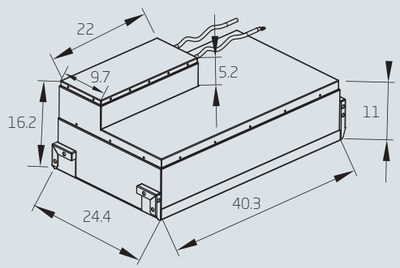
/ These forklifts are designed to have an operating space more than **50%** larger than a traditional electric forklift.
/ The 4.33" true color instrument panel in the driver's cab is positioned overhead and can be seen when the driver lifts their head. This also allows for easy access to the function buttons.
/ Both the adjustable steering wheel and that the seat can be adjusted back and forth by 8.3", allows the operator to be able to find their optimal driving position.
/ The newly designed Wide View Mast increases the operator's field of vision by 15%.
/ The large brake pedal and regenerative braking function are designed to help reduce operator fatigue.

CATL Lithium Iron Phosphate Battery Packs

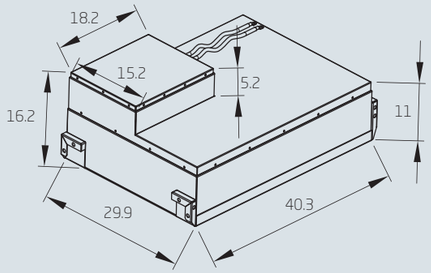
Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation.
HANGCHA provides these lithium-ion battery packs with a 5 year or 10,000 hour warranty.
See warranty certificate for specific warranty information on the Lithium Iron Phosphate battery packs.

		Battery capacity (kW•h)
Pack1	4000 - 5000lbs: standard	80V*202Ah, 16.16Kwh
Pack2	6000 - 7000lbs: standard	80V*271Ah, 21.68Kwh

4000-5000lbs



6000-7000lbs



Advantages

The rear axle connects to the newly designed chassis via a floating suspension system. The floating suspension system, combined with the MOSFET controller automatically decelerating while turning, improves stability and operator comfort.

The MOSFET integrated control system ensures smooth and accurate driving and lifting control. It also provides excellent speed regulation, regenerative braking, reverse braking, and anti-sliding on ramps. The MOSFET integrated control system adds to the safety and reliability the XC series forklifts.

The high power AC traction motor bolts to the chassis via a bridge-type structure for increased stability.

The controller, connectors, battery plug, and emergency switch are all parts from industry known suppliers to ensure reliability, performance, and ease of service.

RELIABLE TRUCKS

LI-ION TECHNOLOGY

HANGCHA PROVIDES UP TO A 5 YEAR OR 10000 HOUR GUARANTEE ON THE LITHIUM-ION BATTERY PACKS.

WORKING LIFE 10000 HOURS WARRANTY

5 YEAR WARRANTY

Easy to Operate and Maintain

The XC series' internal components are protected from dust and water with a fully-sealed maintenance hatch, controllers, motors, and electrical components.

IPX4 water resistance rating, suitable for outdoor operation

The maintenance hatch can be opened at a large angle to allow for easy access.

The XC series forklifts can have up to three horn buttons. The driver's steering wheel (standard), Grammer fingertip control armrest (optional) and rear reverse grip horn button (optional) are all used for alerting and protecting people in the surrounding area.

Grammer Fingertip Controls (Optional)

Quick Charge in less than 2 hours using the Titain Charger (80V/100Ah)

Efficiency

Thanks to lithium-ion technology, this forklift features opportunity charging. This means that the forklift can work through several shifts, charging during breaks, without needing to stop for hours to recharge. Combined with regenerative braking during deceleration, the powertrain is designed with efficiency in mind. The forklift also comes standard with a high-power pump motor and low noise gear pump. The high power AC hydraulic system is extremly efficient. It has protection functions and built-in speed and temperature sensors to increase the hydraulic system's reliability and life span.

A PIN code should be provided before entering the system. 99 sets of PIN codes are available for the administrator. The truck is highly secured and irrelevant personnel cannot start the truck.

IP67 Protection Rating

Safety

This forklift was designed to meet both the ANSI and ITSDF safety standards. This means that the following all come standard on this forklift:

- / An emergency cut out switch.
- / An overloading protection system is integrated into the electronics and hydraulic systems.
- / The controller automatically reduces the forklift's speed while cornering.
- / The standard configuration provides a soft landing system.

In addition, an optional lift buffering system can be equipped to protect goods from falling off the lift and damaging the ground.

As an option, the handbrake can be equipped with an alarm buzzer to prompt the driver to pull up the handbrake before leaving the truck.

The optional OPS system disables the fork from lowering when the operator leaves the seat.

Standard Specification

- / CATL Lithium Battery Pack
- / Lithium Packs with Low-Temperature Electric Heating Systems
- / High-Power AC Drive Motor
- / High-Power AC Pump Motor
- / Low Noise Gear Pump
- / Multi-Function Color Screen Instrument Cluster
- / Automatic Deceleration Through Turns
- / Large Integral Rubber Pedal Pad
- / LED Combination Headlights and Taillights
- / Stamped Iron Hood
- / Soft Landing System
- / SPE Power Selection
- / Charging Muzzle that Meets National Safety Standards
- / Electronic Cooling Fan
- / Emergency Cut-Off Switch
- / Backup Alarm
- / Traction pin
- / Built-In Clipboard
- / Load Sensing Steering System
- / Wide View Mast
- / Tilt Cylinder Jacket

Options

- / Battery Side Roll Out with Slide or Roller
- / Pin Code or Card
- / Solid Pneumatic Tires
- / Non-Marking Solid Tires
- / Left and Right Rearview Mirrors
- / Backup Camera
- / Front/Rear Blue Lights
- / Rear Working Lights
- / Titan Charger
- / Rear Reverse Grip with Horn Button
- / Hood with a Key Lock
- / OPS System
- / Lift Buffering System
- / Multi Way Valves
- / Grammer Integrated Fingertip Control System
- / Widened / Heightened Load Backrest
- / Widened Fork Carriage
- / Other Dimension Forks
- / Full Free-Lift Stage 2 Mast
- / Full Free-Lift Stage 3 Mast
- / Sideshifter
- / Grammer MSG531 Suspension Seat
- / Other Specialty Attachments

4000-5000lb Mast

Type	Model	Lifting Height	Lowered Overall Height	Overall Height		Free Lifting Height		Tilting Range		Capacity (Mast vertical to ground)			
										Load Center at 24in			
				Without Backrest	With Backrest	Without Backrest	With Backrest	FWD	BWD	Single Tire		Double Tire	
										4000lbs	5000lbs	4000lbs	5000lbs
		in	in	in	in	in	in	(°)	(°)	lb	lb	lb	lb
Limited Free Lift 2 Stage Mast	XPD25M200	78.7(2000)	59.1(1501)	103.4(2626)	119.9(3046)	5.5(140)	5.5(140)	6	6	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M250	98.4(2500)	68.9(1751)	123.1(3126)	139.6(3546)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M270	106.3(2700)	72.9(1851)	130.9(3326)	147.5(3746)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M300	118.1(3000)	78.8(2001)	142.8(3626)	159.3(4046)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M330	129.9(3300)	84.7(2151)	154.6(3926)	171.1(4346)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M350	137.8(3500)	88.6(2251)	162.4(4126)	179(4546)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M360	141.7(3600)	92.6(2351)	166.4(4226)	182.9(4646)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M370	145.7(3700)	94.5(2401)	170.3(4326)	186.9(4746)	5.5(140)	5.5(140)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25M400	157.5(4000)	102.4(2601)	182.1(4626)	198.7(5046)	5.5(140)	5.5(140)	6	12	4000(1814)	4900(2223)	4000(1814)	5000(2268)
	XPD25M430	169.3(4300)	108.3(2751)	193.9(4926)	210.5(5346)	5.5(140)	5.5(140)	6	6	3900(1769)	4600(2087)	4000(1814)	4900(2223)
	XPD25M450	177.2(4500)	112.2(2851)	201.8(5126)	218.3(5546)	5.5(140)	5.5(140)	6	6	3800(1724)	4300(1950)	3900(1769)	4600(2087)
	XPD25M470	185(4700)	116.2(2951)	209.7(5326)	226.2(5746)	5.5(140)	5.5(140)	6	6	3700(1678)	4000(1814)	3800(1724)	4300(1950)
	XPD25M480	189(4800)	118.1(3001)	213.6(5426)	230.2(5846)	5.5(140)	5.5(140)	6	6	3700(1678)	4000(1814)	3800(1724)	4300(1950)
	XPD25M500	196.9(5000)	122.1(3101)	221.5(5626)	238(6046)	5.5(140)	5.5(140)	6	6	3600(1633)	3700(1678)	3700(1678)	4000(1814)
	XPD25M550	216.5(5500)	131.9(3351)	241.2(6126)	257.7(6546)	5.5(140)	5.5(140)	3	6	2600(1179)	2800(1270)	3200(1452)	3800(1724)
	XPD25M600	236.2(6000)	141.8(3601)	260.9(6626)	277.4(7046)	5.5(140)	5.5(140)	3	6	1800(816)	2000(907)	2800(1270)	3500(1588)
Full Free Lift 2 Stage Mast	XPD25U200	78.7(2000)	59.7(1516)	108.2(2749)	119.9(3046)	33.1(842)	18.5(470)	6	6	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U250	98.4(2500)	69.5(1766)	124.9(3173.5)	139.6(3546)	43(1092)	28.3(720)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U270	106.3(2700)	73.5(1866)	132.8(3373.5)	147.5(3746)	46.9(1192)	32.3(820)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U300	118.1(3000)	79.4(2016)	144.6(3673.5)	159.3(4046)	52.8(1342)	38.2(970)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U330	129.9(3300)	85.3(2166)	156.4(3973.5)	171.1(4346)	58.7(1492)	44.1(1120)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U350	137.8(3500)	89.2(2266)	164.3(4173.5)	179(4546)	62.7(1592)	48(1220)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U360	141.7(3600)	91.2(2316)	168.2(4273.5)	182.9(4646)	64.6(1642)	50(1270)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
	XPD25U370	145.7(3700)	93.1(2366)	172.2(4373.5)	186.9(4746)	66.6(1692)	52(1320)	6	12	4000(1814)	5000(2268)	4000(1814)	5000(2268)
Full Free Lift 3 Stage Mast	XPD25N400	157.5(4000)	77.4(1966)	183.9(4670.5)	198.7(5046)	47(1195)	36.2(920)	6	6	3800(1724)	4700(2132)	3900(1769)	4900(2223)
	XPD25N430	169.3(4300)	81.3(2066)	195.7(4970.5)	210.5(5346)	51(1295)	40.2(1020)	6	6	3700(1678)	4400(1996)	3800(1724)	4700(2132)
	XPD25N450	177.2(4500)	83.3(2116)	203.6(5170.5)	218.3(5546)	53(1345)	42.1(1070)	6	6	3600(1633)	4100(1860)	3700(1678)	4400(1996)
	XPD25N470	185(4700)	87.2(2216)	211.4(5370.5)	226.2(5746)	56.9(1445)	46.1(1170)	6	6	3500(1588)	3800(1724)	3600(1633)	4100(1860)
	XPD25N480	189(4800)	89.2(2266)	215.4(5470.5)	230.2(5846)	58.9(1495)	48(1220)	6	6	3500(1588)	3800(1724)	3600(1633)	4100(1860)
	XPD25N500	196.9(5000)	93.1(2366)	223.2(5670.5)	238(6046)	62.8(1595)	52(1320)	6	6	3400(1542)	3500(1588)	3600(1633)	4100(1860)
	XPD25N550	216.5(5500)	101(2566)	242.9(6170.5)	257.7(6546)	70.7(1795)	59.8(1520)	3	6	2600(1179)	2800(1270)	3200(1452)	3800(1724)
	XPD25N600	236.2(6000)	110.9(2816)	262.6(6670.5)	277.4(7046)	80.5(2045)	69.7(1770)	3	6	1800(816)	2000(907)	2800(1270)	3500(1588)
	XPD25N650	255.9(6500)	118.7(3016)	282.3(7170.5)	297.1(7546)	88.4(2245)	77.6(1970)	3	6	/	/	2400(1089)	2900(1315)
	XPD25N700	275.6(7000)	128.6(3266)	305.7(7766)	316.8(8046)	106.1(2695)	87.4(2220)	3	6	/	/	2000(907)	2300(1043)

With sideshifter minus 330lb(150kg),with integral sideshifter minus 220lb(100kg).

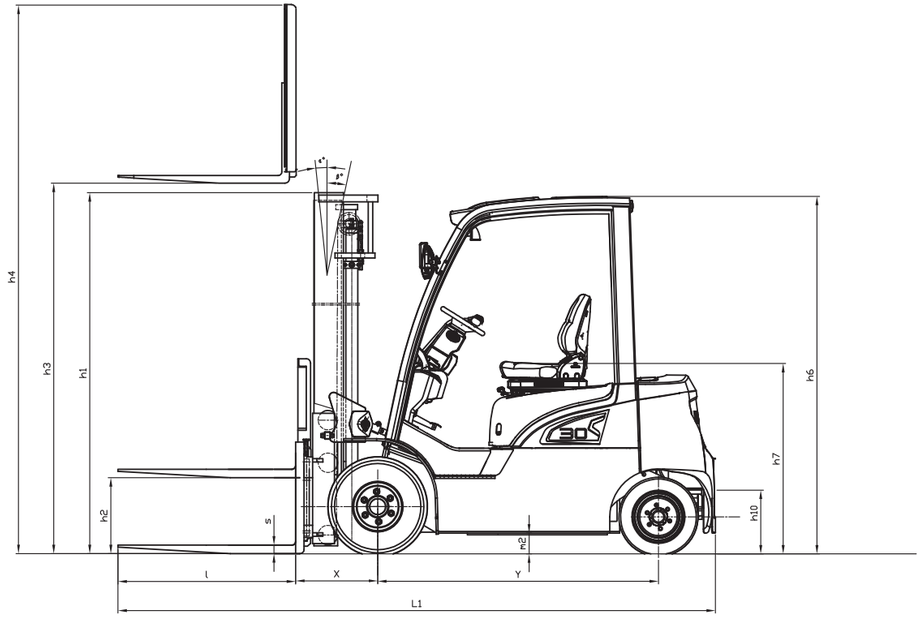
6000-7000lb Mast

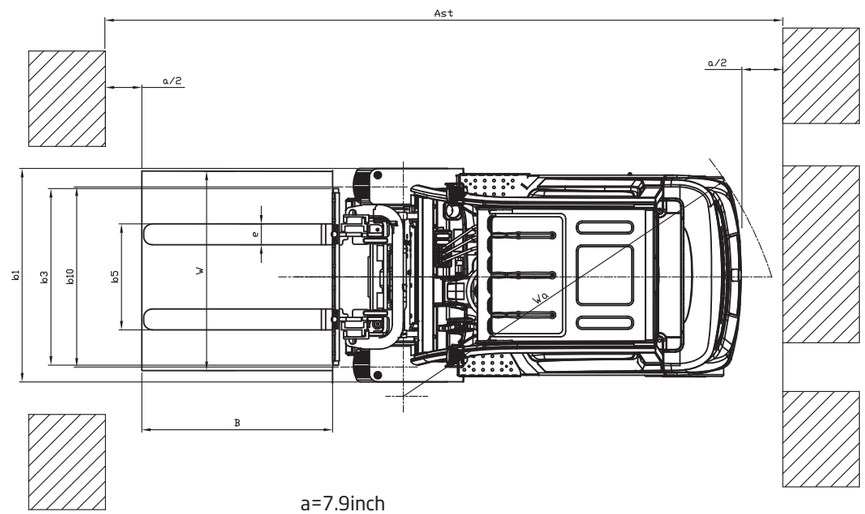
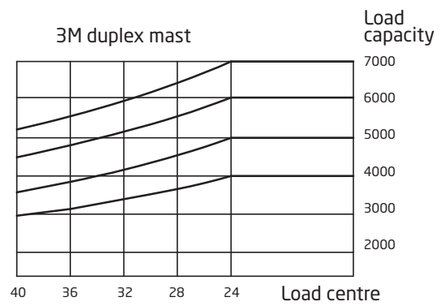
Type	Model	Lifting Height	Lowered Overall Height	Overall Height		Free Lifting Height		Tilting Range		Capacity (Mast vertical to ground)			
										Load Center at 24in			
				Without Backrest	With Backrest	Without Backrest	With Backrest	FWD	BWD	Single Tire		Double Tire	
										6000lbs	7000lbs	6000lbs	7000lbs
		in	in	in	in	in	in	(°)	(°)	lb	lb	lb	lb
Limited Free Lift 2 Stage Mast	XPD35M200	78.7(2000)	65(1651)	111.9(2842)	123.8(3145)	5.7(145)	5.9(150)	6	6	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M250	98.4(2500)	74.8(1901)	131.6(3342)	143.5(3645)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M270	106.3(2700)	78.8(2001)	139.4(3542)	151.4(3845)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M300	118.1(3000)	84.7(2151)	151.3(3842)	163.2(4145)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M330	129.9(3300)	90.6(2301)	163.1(4142)	175(4445)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M350	137.8(3500)	94.5(2401)	170.9(4342)	182.8(4645)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M360	141.7(3600)	96.5(2451)	174.9(4442)	186.8(4745)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M370	145.7(3700)	98.5(2501)	178.8(4542)	190.7(4845)	5.7(145)	5.9(150)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35M400	157.5(4000)	108.3(2751)	190.6(4842)	202.6(5145)	5.7(145)	5.9(150)	6	12	6000(2722)	6900(3130)	6000(2722)	6900(3130)
	XPD35M430	169.3(4300)	114.2(2901)	202.4(5142)	214.4(5445)	5.7(145)	5.9(150)	6	6	5700(2585)	6600(2994)	6000(2722)	6600(2994)
	XPD35M450	177.2(4500)	118.1(3001)	210.3(5342)	222.2(5645)	5.7(145)	5.9(150)	6	6	5400(2449)	6300(2858)	5700(2585)	6300(2858)
	XPD35M470	185(4700)	123.2(3101)	218.2(5542)	230.1(5845)	5.7(145)	5.9(150)	6	6	5100(2313)	6000(2722)	5400(2449)	6000(2722)
	XPD35M480	189(4800)	124.1(3151)	222.1(5642)	234.1(5945)	5.7(145)	5.9(150)	6	6	5100(2313)	6000(2722)	5400(2449)	6000(2722)
	XPD35M500	196.9(5000)	128(3251)	230(5842)	241.9(6145)	5.7(145)	5.9(150)	6	6	4800(2177)	5700(2585)	5100(2313)	5700(2585)
	XPD35M550	216.5(5500)	137.8(3501)	249.7(6342)	261.6(6645)	5.7(145)	5.9(150)	3	6	3700(1678)	4400(1996)	4800(2177)	5300(2404)
	XPD35M600	236.2(6000)	147.7(3751)	269.4(6842)	281.3(7145)	5.7(145)	5.9(150)	3	6	2800(1270)	3300(1497)	4400(1996)	4800(2177)
Full Free Lift 2 Stage Mast	XPD35U200	78.7(2000)	65.6(1666)	113.8(2891)	123.8(3145)	30.5(775)	20.5(521)	6	6	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U250	98.4(2500)	75.4(1916)	133.5(3391)	143.5(3645)	40.4(1025)	30.4(771)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U270	106.3(2700)	79.4(2016)	141.4(3591)	151.4(3845)	44.3(1125)	34.3(871)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U300	118.1(3000)	85.3(2166)	153.2(3891)	163.2(4145)	50.2(1275)	40.2(1021)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U330	129.9(3300)	91.2(2316)	165(4191)	175(4445)	56.1(1425)	46.1(1171)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U350	137.8(3500)	95.1(2416)	172.8(4391)	182.9(4645)	60.0(1525)	50.0(1271)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U360	141.7(3600)	97.1(2466)	176.8(4491)	186.8(4745)	62(1575)	52(1321)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U370	145.7(3700)	99.1(2516)	180.7(4591)	190.7(4845)	64.0(1625)	54.0(1371)	6	12	6000(2722)	7000(3175)	6000(2722)	7000(3175)
	XPD35U400	157.5(4000)	106.9(2716)	192.6(4891)	202.6(5145)	71.9(1825)	61.9(1571)	6	12	6000(2722)	6900(3130)	6000(2722)	6900(3130)
Full Free Lift 3 Stage Mast	XPD35N400	157.5(4000)	80.7(2051)	192.6(4891)	202.6(5145)	45.7(1160)	35.7(906)	6	6	5800(2631)	6700(3039)	6000(2722)	6700(3039)
	XPD35N430	169.3(4300)	84.7(2151)	204.4(5191)	214.4(5445)	49.6(1260)	39.6(1006)	6	6	5500(2495)	6400(2903)	5800(2631)	6400(2903)
	XPD35N450	177.2(4500)	86.7(2201)	216.2(5491)	222.2(5645)	51.6(1310)	41.6(1056)	6	6	5200(2359)	6100(2767)	5500(2495)	6100(2767)
	XPD35N470	185(4700)	90.6(2301)	220.1(5591)	230.1(5845)	55.5(1410)	45.5(1156)	6	6	4900(2223)	5800(2631)	5200(2359)	5800(2631)
	XPD35N480	189(4800)	92.6(2351)	224.1(5691)	234.1(5945)	57.5(1460)	47.5(1206)	6	6	4900(2223)	5800(2631)	5200(2359)	5800(2631)
	XPD35N500	196.9(5000)	96.5(2451)	231.9(5891)	241.9(6145)	61.4(1560)	51.4(1306)	6	6	4600(2087)	5500(2495)	5200(2359)	5800(2631)
	XPD35N550	216.5(5500)	104.4(2651)	251.6(6391)	261.6(6645)	69.3(1760)	59.3(1506)	3	6	3700(1678)	4400(1996)	4800(2177)	5300(2404)
	XPD35N600	236.2(6000)	114.2(2901)	271.3(6891)	281.3(7145)	79.1(2010)	69.1(1756)	3	6	2800(1270)	3300(1497)	4400(1996)	4800(2177)
	XPD35N650	255.9(6500)	124.1(3151)	291(7391)	301(7645)	89(2260)	79(2006)	3	6	/	/	3400(1542)	3700(1678)
	XPD35N700	275.6(7000)	133.9(3401)	310.7(7891)	320.7(8145)	98.8(2510)	88.8(2256)	3	6	/	/	2400(1089)	2600(1179)

With sideshifter minus 440lb(200kg),with integral sideshifter minus 220lb(100kg).

XC Series LITE Electric Pneumatic Tire Forklift with Lithium-ion Technology

Distinguishing Marks	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.			
		HCFA Model			FBE20Li	FBE25Li	FBE30Li	FBE35Li
	1.2	Manufacturers Type Designation			CPD20-XD4-SI21	CPD25-XD4-SI21	CPD30-XD4-SI21	CPD35-XD4-SI21
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			Electric	Electric	Electric	Electric
	1.4	Operator Type: hand, pedestrian, standing, seated, order-picker			Seated	Seated	Seated	Seated
	1.5	Load Capacity/Rated Load	Q	lb (kg)	4000(1810)	5000(2270)	6000(2720)	7000(3170)
	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)	17.5(444)	17.5(444)	19(482)	19(482)
	1.8	Wheelbase	y	in (mm)	59.8(1520)	59.8(1520)	65(1650)	65(1650)
Weight	2.1	Service Weight		lb (kg)	7980(3620)	8640(3920)	10450(4740)	11200(5080)
	2.2	Axle Loading, laden front/rear		lb (kg)	11110/1500 (5040/680)	12830/1543(5820/700)	14870/2414(6745/1095)	17190/1490(7800/880)
	2.3	Axle Loading, unladen front/rear		lb (kg)	3571/4410 (1620/2000)	3681/4960(1670/2250)	4431/6018(2010/2730)	4630/6570(2100/2980)
Chassis & Tires	3.1	Tires: solid rubber, super elastic, pneumatic, polyurethane			Air Pneumatic	Air Pneumatic	Air Pneumatic	Soild Pneumatic
	3.2	Tire Size, front			23×9-10	23×9-10	23×9-10	23×10-12
	3.3	Tire Size, rear			18×7-8	18×7-8	18×7-8	200/50-10
	3.4	Wheels, number front rear (x = driven wheels)			2x/2	2x/2	2x/2	2x/2
	3.5	Tread, front	b_{10}	in (mm)	42(1068)	42(1068)	42(1068)	42(1068)
	3.6	Tread, rear	b_{11}	in (mm)	37.8(960)	37.8(960)	37.8(960)	37.8(960)
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	(°)	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h_1	in (mm)	78.7(2001)	78.7(2001)	84.6(2151)	84.6(2151)
	4.3	Free Lift	h_2	in (mm)	5.5(140)	5.5(140)	5.7(145)	5.7(145)
	4.4	Lift	h_3	in (mm)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)
	4.5	Height, mast extended	h_4	in (mm)	159(4040)	159(4040)	162.8(4135)	162.8(4135)
	4.7	Height of Overhead Guard STD.	h_6	in (mm)	82.6(2100)	82.6(2100)	82.6(2100)	82.6(2100)
	4.8	Seat Height/Stand Height	h_7	in (mm)	44(1120)	44(1120)	44(1120)	44(1120)
	4.9	Coupling Height	h_{10}	in (mm)	16.9(430)	16.9(430)	16.9(430)	16.9(430)
	4.10	Overall Length	l_1	in (mm)	132.6(3370)	132.6(3370)	132.6(3370)	132.6(3370)
	4.11	Length to Face of Forks	l_2	in (mm)	90.5(2300)	90.5(2300)	97.6(2480)	97.6(2480)
	4.12	Overall Width	b_1	in (mm)	49.3(1252)	49.3(1252)	49.3(1252)	51.1(1298)
	4.13	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)
	4.14	Fork Carriage DIN 15 173 --- ISO 2328, class/type A,B			ISO2328 2A	ISO2328 2A	ISO2328 3A	ISO2328 3A
	4.15	Fork-Carriage Width	b_3	in (mm)	43.3(1100)	43.3(1100)	43.3(1100)	43.3(1100)
	4.16	Distance between Fork-Arms	b_5	in (mm)	290/1100(11.4/43.3)	290/1100(11.4/43.3)	290/1100(11.4/43.3)	290/1100(11.4/43.3)
	4.17	Ground Clearance, laden, below mast	m_1	in (mm)	3.9(100)	3.9(100)	3.9(100)	3.9(100)
	4.18	Ground Clearance, centre of wheelbase	m_2	in (mm)	4.9(125)	4.9(125)	4.9(125)	4.9(125)
	4.19	Aisle Width for Pallets 39" x 47" crossways	Ast	in (mm)	147(3734)	147(3734)	155.7(3955)	155.7(3955)
	4.20	Aisle Width for Pallets 31.5" x 47" Lengthways	Ast	in (mm)	154.8(3934)	154.8(3934)	163.5(4155)	163.5(4155)
	4.21	Turning Radius	Wa	in (mm)	82.2(2090)	82.2(2090)	89.3(2270)	89.3(2270)
	4.22	Internal Turning Radius	b_{13}	in (mm)	25.7(655)	25.7(655)	28.7(730)	28.7(730)
Performance Data	5.1	Travel Speed, laden/unladen		mph (km/h)	8.7/9.3(14/15)	8.7/9.3(14/15)	8.7/9.3(14/15)	8.7/9.3(14/15)
	5.2	Lift Speed, laden/unladen		fpm (m/s)	68.9/88.5(0.350/0.450)	68.9/88.5(0.350/0.450)	65.0/84.6(0.330/0.430)	65.0/84.6(0.330/0.430)
	5.3	Lowering Speed, laden/unladen		fpm (m/s)	88.5/82.6(0.450/0.420)	92.5/82.6(0.470/0.420)	88.5/82.6(0.450/0.420)	92.5/82.6(0.470/0.420)
	5.4	Drawbar Pull, laden/unladen		lbf (N)	2925/3150(13000/14000)	3825/4050(17000/18000)	4500/4725(20000/21000)	4612/4725(20500/21000)
	5.5	Max. Drawbar Pull, laden/unladen		lbf (N)	3375(15000)	4275(19000)	4500(20000)	4500(20000)
	5.6	Gradeability, laden/unladen		%	14/15	14/15	14/15	14/15
	5.7	Service Brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.8	Parking Brake			Mechanical	Mechanical	Mechanical	Mechanical
Electric Motor	6.1	Drive Motor Rating at S2 60 min		HP (kW)	14.9(11)AC	14.9(11)AC	14.9(11)AC	14.9(11)AC
	6.2	Lift Motor Rating at S3 15%		HP (kW)	28.5(21)AC	28.5(21)AC	28.5(21)AC	28.5(21)AC
	6.3	Battery Voltage, Std.		V/Ah	80/202	80/202	80/271	80/271
	6.4	Standard Weight of Lithium Iron Phosphate Battery		lb (kg)	441(200)	441(200)	529(240)	529(240)
	6.5	Min. Battery Weight		lb (kg)	441(200)	441(200)	529(240)	529(240)
		Max. Battery Weight		lb (kg)	617(280)	617(280)	838(380)	838(380)
	6.6	Type of Drive Control			MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
	6.7	Manufacturer			INMOTION	INMOTION	INMOTION	INMOTION
	6.8	Control Model			ACS80M-35P+ACS80M-23P	ACS80M-35P+ACS80M-23P	ACS80L-440C-35P+ACS80M-23P	ACS80L-440C-35P+ACS80M-23P
Additional Data	7.1	Operating Pressure for Attachments		psi (bar)	2538(175)	2538(175)	2538(175)	2538(175)
	7.2	Oil Volume for Attachments		l/min	65	65	65	65
	7.3	Hydraulic Tank - capacity (drain & refill)		liter	28	28	28	28
	7.4	Sound Level at the Driver's Ear According to EN / DIN 12 053		dB (A)	75	75	75	75
	7.5	Towing Coupling, type DIN			Φ25 Pin	Φ25 Pin	Φ25 Pin	Φ25 Pin





a=7.9inch
Ast= a+Wa+X+B