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ISO45001 ISO045001:2018

ISO14001 ISO014001:2015

ISO9001 ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.



XC SERIES

4-W ELECTRIC FORKLIFT TRUCK WITH LITHIUM POWER

With capacity of 6,000 to 10,000kg

2024 VERSION 2/COPYRIGHT 2024/04

Making Material Handling Easier

LITHIUM POWERED



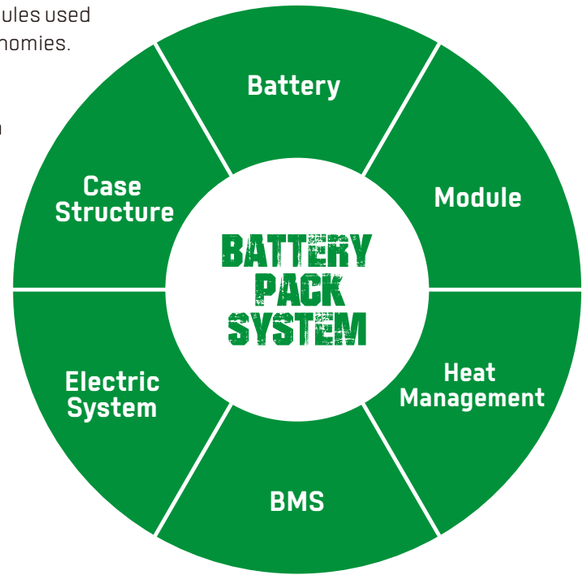
LI-ION TECHNOLOGY

HANGCHA provides Li-ion battery (LiFePO4) with 6 years or 12000 hours warranty.

6 YEARS WARRANTY

INNOVATIVE SOLUTIONS NEW POWER NOW

/ We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
/ Safe and effective: Charging efficiency as high as 95%.
/ Quick charging.
/ Long-working: 4000 charging cycles, capacity retention greater than 80%.
/ Maintenance-free: Battery does not require manual maintenance.
/ Green and clean: Pollution-free, zero emissions.



Rapid charging and opportunity charging ensure continuous availability of vehicles

Allow for fast full charging or boost charging. They are maintenance free and do not require a battery change when used for multi-shift operations.



Battery Capacity 96V

	Capacity(Ah)	6.0-8.0t	8t@L.C,900mm, 9-10t
CATL	684	•	/
	906	○	•
	1208	/	○
EVE	690	○	/
	920	○	○
	1216	/	○

Note: • Standard ; ○ Optional



XC SERIES

4-W ELECTRIC FORKLIFT TRUCK WITH LITHIUM POWER

LI-ION TECHNOLOGY
INNOVATIVE LITHIUM-ION

XC series lithium battery forklifts 6-10t are brand new products on the basis of Hangzhou forklift's "lithium battery special structure", and offer two platforms, the classic "AC Asynchronous" and the leading "permanent magnet synchronous". Following the family design of electric forklifts, they are optimized mainly on the overall performance, ergonomics, reliability, maintenance, outdoor operation ability and load capacity in a bid to meet customers' use scenarios of traditional electric forklifts.

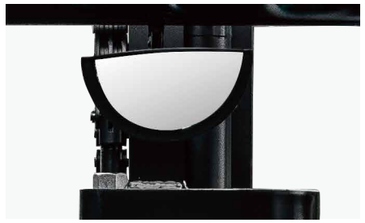


COMFORTABLE EXPERIENCE

- With the advantages of special lithium battery architecture, this ergonomically designed forklift has a more compact body and enables a wide view and a large operation space.
- Standard load-sensitive multi-way valve and lifting potentiometer supplied boasts good energy-saving effect, **20% reduction** of the manoeuvring force, and improved inching performance.



The three-step pedal with optimized height and lengthened handrail is easier to get on and off the forklift.



Standard panoramic rear view mirror and reverse horn button on the armrest reversing armrest horn allow more comfortable backward operation.



Smart color-screen instrument with built-in view and adjustment function of main parameters is convenient for maintenance and fine-tuning.



MAINTENANCE

Counterweight cover can be dismounted without a tool, and a wide-open hood allows all maintenance parts to be shown clearly





ENERGY-SAVING AND EFFICIENT

- The leading "permanent magnet synchronous system" (Y2 model) provided can effectively reduce energy consumption and improve endurance.
- Hydraulic lifting, with a strong power system, adopts dual-pump merging technology , which comprehensively improves the performance of the forklift.



The charging port adopts door-in-door design with standard quick-change battery, convenient for charging and replacing the battery.



The lithium battery with a standard dual-gun fast charging port and a dual-gun charger can efficiently replenish energy.

BETTER SAFE THAN SORRY

SAFE AND RELIABLE

- Standard turning deceleration, reducing the turning radius, can realize flexible shuttle, and more stable operation;
- Two independent cooling air ducts ensure that the forklift works efficiently for a long time;
- The whole forklift under IPX4 level protection with a lithium battery having a standard electric heating module can guarantee normal operation in cold/stormy weather;

IPX4 WATERPROOF



The standard descending lock function (China) can disable the descending function when the driver leaves the seat and enable high safety.



High load capacity design, not prone to upwarp, allows work more stably;

6.0-8.0t Mast Specification

Type	Model			Lifting height	Lowered overall height		Overall height					Free lift height					Tilt range	Capacity (Mast vertical to ground)					
							Without backrest			With backrest		Without backrest			With backrest		FWD/RWD	Load Capacity at 600mm					
																		Single Tire			Double tire		
					6/7t	8t				6/7t	8t				6/7t	8t		6.0t	7.0t	8.0t	6.0t	7.0t	8.0t
	6t	7t	8t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg	kg	kg	kg
Duplex wide view mast	JG50M250	XP70M250	XP80M250	2500	2250	2400	3495	3667	3817	3907	3907	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M270	XP70M270	XP80M270	2700	2350	2500	3695	3867	4017	4107	4107	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M300	XP70M300	XP80M300	3000	2500	2650	3995	4167	4317	4407	4407	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M330	XP70M330	XP80M330	3300	2650	2800	4295	4467	4617	4707	4707	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M360	XP70M360	XP80M360	3600	2800	3000	4595	4767	4917	5007	5007	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M400	XP70M400	XP80M400	4000	3000	3200	4995	5167	5317	5407	5407	160	160	175	160	175	5/10	6000	7000	8000	6000	7000	8000
	JG50M430	XP70M430	XP80M430	4300	3200	3300	5300	5467	5617	5707	5707	160	160	175	160	175	5/8	6000	7000	8000	6000	7000	8000
	JG50M450	XP70M450	XP80M450	4500	3300	3450	5500	5667	5817	5907	5907	160	160	175	160	175	5/8	6000	7000	8000	6000	7000	8000
	JG50M480	XP70M480	XP80M480	4800	3450	3550	5800	5967	6117	6207	6207	160	160	175	160	175	5/8	5800	6700	7700	5900	6800	7800
	JG50M500	XP70M500	XP80M500	5000	3550	3850	6000	6167	6317	6407	6407	160	160	175	160	175	5/8	5700	6500	7500	5800	6700	7700
	JG50M550	XP70M550	XP80M550	5500	3850	4100	6550	6667	6817	6907	6907	160	160	175	160	175	5/8	5400	6200	7200	5700	6500	7500
	JG50M600	XP70M600	XP80M600	6000	4100	4350	7050	7167	7317	7407	7407	160	160	175	160	175	5/8	5000	5900	6900	5400	6200	7200
Duplex full-free mast	JG50U300	XP70U300	XP80U300	3000	2450	2600	3955	4115	4265	4137	4265	1495	1335	1335	1313	1335	5/10	6000	7000	8000	6000	7000	8000
	JG50U330	XP70U330	XP80U330	3300	2600	2750	4255	4415	4565	4437	4565	1645	1485	1485	1463	1485	5/10	6000	7000	8000	6000	7000	8000
	JG50U360	XP70U360	XP80U360	3600	2750	2900	4555	4715	4865	4737	4865	1795	1635	1635	1613	1635	5/10	6000	7000	8000	6000	7000	8000
	JG50U400	XP70U400	XP80U400	4000	2950	3100	4955	5115	5265	5137	5265	1995	1835	1835	1813	1835	5/10	6000	7000	8000	6000	7000	8000
Triplex full-free mast	JG50N450	XP70N450	XP80N450	4500	2725	2725	5735	5735	5862	5907	5907	1500	1500	1373	1328	1328	5/8	5700	6700	7600	5800	7000	8000
	JG50N480	XP70N480	XP80N480	4800	2825	2825	6035	6035	6162	6207	6207	1600	1600	1473	1428	1428	5/8	5600	6600	7500	5700	6700	7700
	JG50N500	XP70N500	XP80N500	5000	2875	2875	6213	6213	6362	6407	6407	1672	1672	1523	1478	1478	5/8	5500	6400	7400	5600	6600	7600
	JG50N550	XP70N550	XP80N550	5500	3075	3075	6785	6785	6862	6907	6907	1800	1800	1723	1678	1678	5/8	5300	6200	7200	5500	6400	7400
	JG50N600	XP70N600	XP80N600	6000	3225	3225	7235	7235	7362	7407	7407	2000	2000	1873	1828	1828	5/8	5200	5800	6800	5400	6000	7000
	JG50N650	XP70N650	XP80N650	6500	3375	3375	7713	7713	7862	7907	7907	2172	2172	2023	1978	1978	5/8	4400	4900	5900	4600	5100	6100
	JG50N700	XP70N700	XP80N700	7000	3675	3675	8385	8385	8385	8407	8407	2300	2300	2300	2278	2278	5/8	3600	3800	5000	4000	4200	5200

6-8t:Height of standard load backrest is 1270mm.

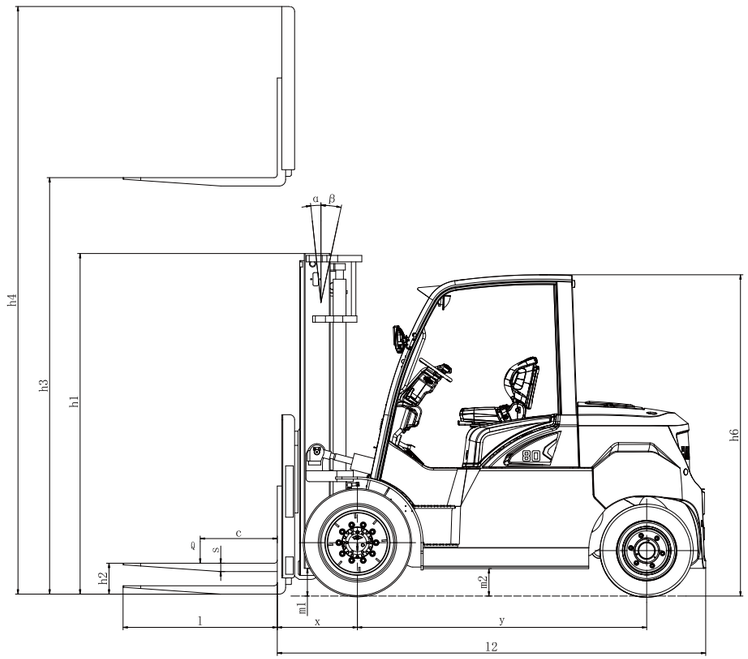
8t@900mm-10t@600mm Mast Specification

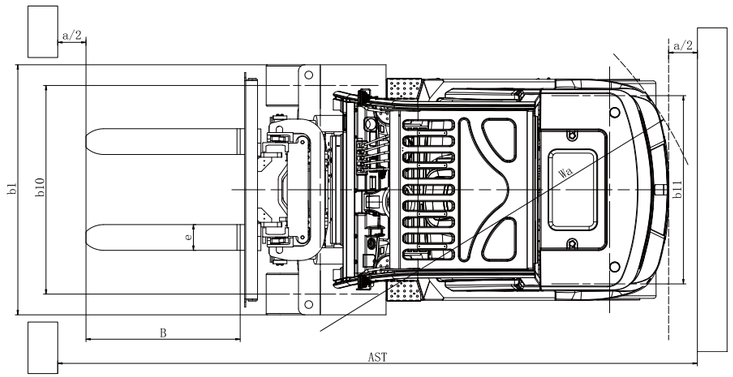
Type	Model		Lifting height	Lowered overall height	Overall height		Free lift height		Tilt range	Capacity (Mast vertical to ground)		
					Without backrest	With backrest	Without backrest	With backrest	FWD/RWD	Load Capacity at 600mm		
										Double tire		
	8t@900mm	9/10t	mm	mm	mm	mm	mm	mm	(°)	8t@900mm	9.0t	10t
										kg	kg	kg
Duplex wide view mast	XCPL80M250	XCP100M250	2500	2450	3900	4030	200	200	5/8	8000	9000	10000
	XCPL80M270	XCP100M270	2700	2550	4100	4230	200	200	5/8	8000	9000	10000
	XCPL80M300	XCP100M300	3000	2700	4400	4530	200	200	5/10	8000	9000	10000
	XCPL80M330	XCP100M330	3300	2850	4700	4830	200	200	5/10	8000	9000	10000
	XCPL80M360	XCP100M360	3600	3000	5000	5130	200	200	5/10	8000	9000	10000
	XCPL80M400	XCP100M400	4000	3200	5400	5530	200	200	5/10	8000	9000	10000
	XCPL80M430	XCP100M430	4300	3400	5700	5830	200	200	5/8	8000	9000	10000
	XCPL80M450	XCP100M450	4500	3500	5900	6030	200	200	5/8	7800	8500	9500
	XCPL80M480	XCP100M480	4800	3650	6200	6330	200	200	5/8	7600	8400	9400
	XCPL80M500	XCP100M500	5000	3750	6440	6530	200	200	5/8	7400	8300	9300
	XCPL80M550	XCP100M550	5500	4050	6900	7030	200	200	5/8	7200	8100	9100
	XCPL80M600	XCP100M600	6000	4300	7400	7530	200	200	5/8	6900	7700	8700
Duplex full-free mast	XCPL80U300	XCP100U300	3000	2700	4390	4520	1310	1180	5/10	8000	9000	10000
	XCPL80U330	XCP100U330	3300	2850	4690	4820	1460	1330	5/10	8000	9000	10000
	XCPL80U360	XCP100U360	3600	3000	4990	5120	1610	1480	5/10	8000	9000	10000
	XCPL80U400	XCP100U400	4000	3200	5390	5520	1810	1680	5/10	8000	9000	10000
Triplex full-free mast	XCPL80N450	XCP100N450	4500	2850	6055	6055	1305	1305	5/8	7600	8600	9600
	XCPL80N480	XCP100N480	4800	2950	6355	6355	1405	1405	5/8	7500	8200	9200
	XCPL80N500	XCP100N500	5000	3050	6555	6555	1505	1505	5/8	7400	8000	9000
	XCPL80N550	XCP100N550	5500	3200	7055	7055	1655	1655	5/8	7200	7900	8900
	XCPL80N600	XCP100N600	6000	3350	7555	7555	1805	1805	5/8	6800	7500	8500
	XCPL80N650	XCP100N650	6500	3630	8055	8055	2085	2085	5/8	6000	6500	7500
	XCPL80N700	XCP100N700	7000	3800	8555	8555	2255	2255	5/8	5500	6000	7000
	XCPL80N800	XCP100N800	7000	4300	9555	9555	2755	2755	5/8	5500	6000	7000

8@900mm-10t:Height of standard load backrest is 1393mm.

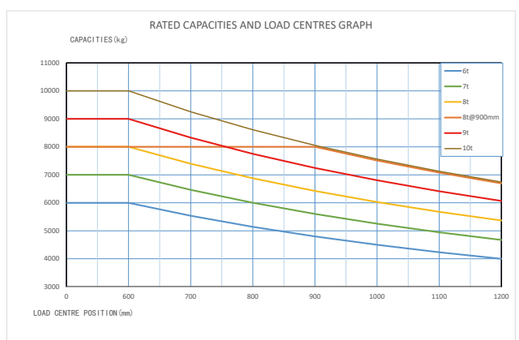
Technical data

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.										
	1.2	Manufacturer's type designation		CPD60-XCY2-SI	CPD70-XCY2-SI	CPD80-XCY2-SI	CPD80-XCLY2-SI	CPD90-XCY2-SI	CPD100-XCY2-SI	CPD60-XCD4-SI	CPD70-XCD4-SI	CPD80-XCD4-SI	CPD80-XCLD4-SI	CPD90-XCD4-SI	CPD100-XCD4-SI
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	kg	6000	7000	8000	8000	9000	10000	6000	7000	8000	8000	9000	10000
	1.6	Load centre distance	c (mm)	600	600	600	900	600	600	600	600	600	900	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	598.5	603.5	623.5	640	640	640	598.5	603.5	623.5	640	640	640
	1.9	Wheelbase	y (mm)	2250	2250	2250	2500	2500	2500	2250	2250	2250	2500	2500	2500
Weight	2.1	Service Weight	kg	9600	10800	12000	13300	13000	13700	9600	10800	12000	13300	13000	13700
	2.2	Axle loading, laden front/rear	kg	13700/1900	15600/2200	17600/2400	18700/2600	19600/2400	21200/2500	13700/1900	15600/2200	17600/2400	18700/2600	19600/2400	21200/2500
	2.3	Axle loading, unladen front/rear	kg	4300/5300	4700/6100	5100/6900	5800/7500	6100/6900	6250/7450	4300/5300	4700/6100	5100/6900	5800/7500	6100/6900	6250/7450
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
	3.2	Tyre size, front		355/50-20	355/50-20	355/50-20	8.25-15	8.25-15	300-15	355/50-20	355/50-20	355/50-20	8.25-15	8.25-15	300-15
	3.3	Tyre size, rear		250-15	250-15	250-15	300-15	300-15	300-15	250-15	250-15	250-15	300-15	300-15	300-15
	3.5	Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	4x/2	4x/2	4x/2	2x/2	2x/2	2x/2	4x/2	4x/2	4x/2
	3.6	Tread, front	b_{10} (mm)	1623	1623	1623	1529	1529	1582	1623	1623	1623	1529	1529	1582
	3.7	Tread, rear	b_{11} (mm)	1464.5	1464.5	1464.5	1536.5	1536.5	1536.5	1464.5	1464.5	1464.5	1536.5	1536.5	1536.5
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
	4.2	Height, mast lowered	h_1 (mm)	2500	2500	2650	2700	2700	2700	2500	2500	2650	2700	2700	2700
	4.3	Free lift	h_2 (mm)	160	160	175	200	200	200	160	160	175	200	200	200
	4.4	Lift	h_3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h_4 (mm)	4407	4407	4407	4530	4530	4530	4407	4407	4407	4530	4530	4530
	4.7	Height of overhead guard	h_6 (mm)	2500	2500	2500	2500	2500	2495	2500	2500	2500	2500	2500	2495
	4.8	Seat height/stand height	h_7 (mm)	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485	1485
	4.12	Coupling height	h_{10} (mm)	580	580	580	630	630	630	580	580	580	630	630	630
	4.19	Overall length	l_1 (mm)	4535	4535	4535	5440	4840	4840	4535	4535	4535	5440	4840	4840
	4.20	Length to face of forks	l_2 (mm)	3310	3315	3335	3640	3640	3640	3310	3315	3335	3640	3640	3640
	4.21	Overall width	b_1/b_2 (mm)	1946	1946	1946	2068	2068	2162	1946	1946	1946	2068	2068	2162
	4.22	Fork dimensions	s / e / l (mm)	60/150/1200	65/150/1200	65/200/1200	80/200/1800	80/170/1200	80/170/1200	60/150/1200	65/150/1200	65/200/1200	80/200/1800	80/170/1200	80/170/1200
	4.23	Fork carriage ISO 2328, class/type A,B		ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 5A	ISO2328 5A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 4A	ISO2328 5A	ISO2328 5A
	4.24	Fork-carriage width	b_3 (mm)	1700	1700	1700	1800	1800	1800	1700	1700	1700	1800	1800	1800
	4.31	Ground clearance, laden, below mast	m_1 (mm)	200	200	200	200	200	200	200	200	200	200	200	200
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)	210	210	210	210	210	210	210	210	210	210	210	210
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A_{st} (mm)	4938.5	4943.5	4963.5	5190	5190	5190	4938.5	4943.5	4963.5	5190	5190	5190
	4.34.2	Aisle width for pallets 800 x 1200 lengthways		5138.5	5143.5	5163.5	5390	5390	5390	5138.5	5143.5	5163.5	5390	5390	5390
	4.35	Turning radius	W_a (mm)	3140	3140	3140	3350	3350	3350	3140	3140	3140	3350	3350	3350
Performance data	5.1	Travel speed, laden/unladen	km/h	18/20	18/20	17/19	16/17	16/17	16/17	18/20	18/20	17/19	16/17	16/17	16/17
	5.2	Lift speed, laden/unladen	mm/s	380/480	360/470	320/450	320/450	300/450	280/430	380/480	360/470	320/450	320/450	300/450	280/430
	5.3	Lowering speed, laden/unladen	mm/s	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350	400/350
	5.6	Max. Drawbar pull, laden/unladen	N	35000	35000	35000	35000	35000	35000	30000	30000	30000	35000	35000	35000
	5.8	Max. gradeability, laden/unladen	%	19/29	18/27	16/25	16/23	16/23	15/20	19/29	18/27	16/25	16/23	16/23	15/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.11	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min	kW	4QAC	4QAC	4QAC	4QAC	4QAC	4QAC	3QAC	3QAC	3QAC	4QAC	4QAC	4QAC
	6.2	Lift motor rating at S3 15%	kW	28.2AC	28.2AC	28.2AC	28.2AC	28.2AC	28.2AC	23.2AC	23.2AC	23.2AC	28.2AC	28.2AC	28.2AC
	6.5	Battery weight	kg	600	600	600	950	950	950	600	600	600	950	950	950
Addition data	10.1	Operating pressure for attachments	MPa	10	10	10	10	10	10	10	10	10	10	10	10
	10.2	Oil volume for attachments	ℓ/min	75	75	75	90	90	90	75	75	75	90	90	90





AST=a+Wa+x+B a=200 mm safety clearance



Features

No.	Configuration	Standard	Options
1	**Color**	Green black	Other customized color
2	**Particular market**	/	CE Standard
3	**Cold storage environment**	/	-30°C
4	**Mast**	Standard duplex mast	Configuration Table of the Mast
5	**Fork and attachment**	Standard fork Fork arm carrier Load backrest	Non-standard series fork Various attachments
6	**Tires**	Solid tire - single (6-8t) Solid tire - dual (above 8-10t)	Solid tire - dual (6-8t)
7	**Multiway valve**	Double multi-way valve (load-sensitive) Lifting potentiometer	Triple valve (load-sensitive) Quadruple valve (load-sensitive) Quintuple valve (load-sensitive)
8	**Tiller**	Lifting and tilting joystick	Thumb switch
9	**Battery**	Standard lithium battery (national standard,dual-charging,built-in) Battery removed sideways	Large-capacity lithium battery (national standard,dual-charging,built-in)
10	**Light**	LED front combination headlamp LED rear combination lamp	Common alarm lamp Acoustic and optical alarm lamp LED rear lamp Blue light Straight projection lamp
11	**Horn**	Electric horn Reverse buzzer Right rear armrest with horn button	/
12	**Smart module**	/	Aidong smart module
13	**Safety configuration**	Turning deceleration Emergency power-off switch Fuse box Descending buffering	Reversing radar Front /front and rear driving recorder OPS sensing system Fire extinguisher Ascending buffering
14	**Instrument rack space**	Smart color-screen instrument (speed mode selection) Combination switch USB port Storage box	Cigarette lighter Electronic code lock (start by swiping a card) Fingerprint lock
15	**Driving space**	Standard overhead guard Central rear view mirror PVC ceiling	Front windshield Cab Electric fan Left and right rear view mirrors
16	**Chair**	Standard seat	Fully-suspended seat Semi-suspended seat
17	**Other standard configuration**	Driving and lifting (×2) controllers Driving and lifting (×2) motors Silent gear pump (×2) Charging valve+ accumulator Oil return filter Pedal pad Traction pin Integral stamped side panel and hood	/