

HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com www.hcforklift.com

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors, equipment, or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks delivered may differ slightly from those in brochures.



Follow us on
Facebook



Follow us on
YouTube



Follow us on
WeChat



Download "Hangcha
ForH11" App



ISO 9001
2015



ISO 14001
2015



ISO 45001
2018



HANGCHA is a member
of the European Supply
Requirements

AUTHORIZED DEALER



XE SERIES

ELECTRIC FORKLIFT TRUCK WITH
LITHIUM POWER

With capacity of 1,500 to 3,800kg

XE
SERIES



XE SERIES



TAKE ON THE BIG JOBS.

Following the family design of electric forklifts, they are provided with some key parts compatible with internal combustion forklifts, and optimized mainly on the overall performance, ergonomics, reliability, maintenance, outdoor operation ability and load capacity in a bid to meet customers' use scenarios of internal combustion forklifts. The enhanced model is capable of meeting the application demand of users in heavy-duty working conditions.

STYLISH EXTERIOR

- Following the family exterior design of XH and XC lithium battery forklifts.
- Boasting smooth and powerful contour lines, and simple and elegant vehicle body, and presenting both fashion and steadiness as a whole.

ENERGY-SAVING AND EFFICIENT

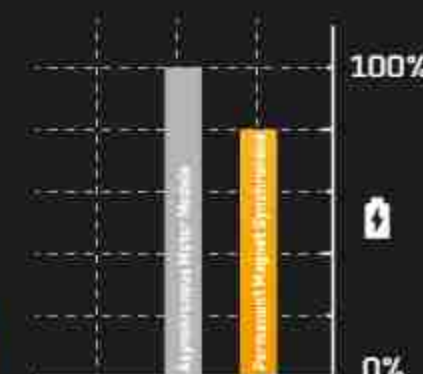
- An efficient high-torque motor together with a high speed ratio gearbox significantly improves the travel speed, gradeability and lifting speed.
- The air-cooled fan built in the travel and lifting motors allow better heat dissipation and more thorough performance realization.
- Oil pump reducers are introduced in the oil pump devices for the first time, enabling the lifting motor to work in a more efficient and more energy-saving manner.



TAKE ADVANTAGE OF MORE POWER

With the **80V dual permanent magnet synchronous motor system** with higher power density, as well the highly fitted speed reducer, motors and electrical control, under the same operating conditions, compared with the traditional asynchronous motor model, the energy consumption is reduced by 15%-20%.

**15-20%
ENERGY SAVING**





ADAPTABILITY TO DIFFERENT SCENARIOS



- 1** Smooth driving: Increased distance from the ground enables the forklift to adapt to rugged roads outdoors.



Turning radius
2035-2350mm

- 2** Flexible turning: With a small turning radius, the forklift can flexibly move in indoor environments such as cold stores (optional), etc.



- 3** Adaptability to cold weather: For the standard configuration, the battery is equipped with an electric heating module to ensure normal operation in cold weather.



- 4** Adaptability to rain: The protection level of the vehicle reaches level IPX4, so it can easily resist rainstorms.

COMFORTABLE EXPERIENCE

- With the advantages of lithium battery forklifts, this ergonomically designed forklift enables a wide view and a large operation space.
- The optional electronic handbrake allows more comfortable driving experience.
- The color-screen instruments are designed to have clear and intuitive graphic interfaces.



Color-screen instruments



Ergonomically designed forklift enables a wide view

RELIABLE AND DURABLE

- The enhanced drive axle and gearbox with the mast, steering axles with tapered roller bearing (for the heavy-duty model) and big tires for internal combustion forklifts can meet the demand of application in heavy-duty working conditions.
- Low center of gravity and high load margin are designed for more stable working.
- Verified in accordance with double standards of electric forklifts and internal combustion forklifts, with the enhanced test strength higher than that for the internal combustion standard, this forklift is reliable and durable.



Ground clearance increased



KEEP AN EYE ON EVERYTHING

Hangcha FIMS is a system that provides you with real-time information about forklift truck and driver. Whether you have dozens or hundreds of forklift trucks across multiple sites, you can get access to collecting, monitoring and evaluating all the fleet data at anytime and anywhere.

» Features

- Access Control
- GPS Tracking
- Remote Monitoring
- Maintenance Reminder
- Vehicle Management
- Vibration Monitoring
- Pre-shift Check (Optional)
- Shift Management (Optional)
- OpenAPI (Optional)

LITHIUM POWERED

EMPOWER YOURSELF WITH THE BEST



Li
Lithium

POWER THE POSSIBILITIES
RELIABLE LITHIUM-ION TECHNOLOGY

LITHIUM BATTERY ADVANTAGES



Long service life

4000 full charging cycles with at least 75% residual capacity.



Return on investment

Add flexibility to your operation, cost-saving in the long term, increased efficiencies.



Maintenance free

No topping up of water or checking acid levels.



High energy density

The high energy density of the Li-ion battery ensures long working times and increases the high availability.



Cold area application

Li-ion batteries maintain high performance at temperatures below freezing.



High safety and reliability

Intelligent battery management monitoring every important function, no emission of battery gasses.



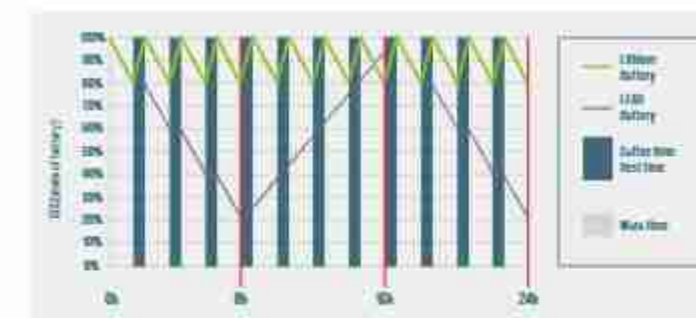
Opportunity charging

Full performance during several shifts thanks to effective interim charging.

FEATURES & BENEFITS THE HANGCHA DIFFERENCE

Efficiency

By quick opportunity charging any downtime, such as a lunch break, can be efficiently used and the battery is recharged in a very short period of time. Interim charging does not affect the battery service life.



Safety

- / Intelligent battery management monitoring every important function.
- / Higher user safety, thanks to acid-free use.
- / User friendly due to avoided battery change.
- / No emission of battery gasses.



QUESTION 1

Q: What are the characteristics of lithium batteries, especially when used in high and low temperature environments?

Charging temperature: -30-55
Discharge temperature: -30-55
Storage environment temperature: -30-55

After the truck key switch is closed, the instrument battery condition needs to be checked.
1. Confirm that there is no battery system alarm message on the instrument panel.
2. Please check the remaining power before use. It is recommended to use the SOC between 50% and 100%.
3. If the SOC is lower than 20%, it is not recommended to continue using it. Please charge it as soon as possible.

QUESTION 2

Q: What is the charging time and usage time calculation of forklift lithium battery?

- Available power of lithium battery (kWh) = rated voltage * rated power * 90% (To avoid over-discharge damaging the battery, the forklift is equipped with low power protection (less than 10%)).
 - Charging time (h) = rated capacity of lithium battery (Ah) * 90% / charger output current (A).
 - The power consumed for charging (kWh) = the available power of the lithium battery * 93% (the charging efficiency of the charger is calculated as 93%).
 - Usage time (h) = available power of lithium battery * energy consumption data.
- For specific energy consumption values, please refer to the technical table on the sharing platform.

QUESTION 3

Q: How does Hangcha BMS work to ensure the safety of the lithium battery?

HANGCHA BMS (battery management system) can monitor the cells at all time. As a result, hangcha lithium power is the reliable solution.



Battery Safety Management:

Overcharge / over discharge protection
Overcurrent / over-temperature / low-temperature protection
Multi-level fault diagnosis protection
Double fault monitoring



Battery Parameter Detection:

Battery voltage detection and analysis
Battery current detection and analysis
Battery temperature detection and analysis



Equilibrium Management:

Equalization based on voltage mode
Equalization based on time mode
Equalization based on battery cell SOC
Active/passive equalization optional



Other Features:

Low cost, low power consumption
Historical data record
Flexible cascade expansion
CRC data validation

LI-ION BATTERIES AND CHARGERS

IT'S FASTER AND EASIER WITH HANGCHA

Innovative, reliable lithium-ion technology (Lithium Iron-Phosphate), which are developed jointly by HANGCHA and CATL. Battery cells and modules are from CATL, with reliable quality, exclusively for HANGCHA.



Battery Capacity(Standard)
80V/150-460Ah

Battery weight:150-310kg

Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation. HANGCHA provides Li-Ion battery (LiFePO4) with **6 years** or **12000 hours** warranty.

HANGCHA WARRANTY SERVICE

**6 YEARS
WARRANTY**



Charger model:

SLC-80100
SLC-80200

Output voltage range (V):

80V charger: 40Vdc - 100Vdc

Output current range (A):

100A charger: 5A - 100A(SLC-80100)

200A charger: 5A - 200A(SLC-80200)

EVE Battery Capacity

Capacity(Ah)	1.5-2.0t 80V		2.0-2.5t 80V		3.0-3.5t 80V	
	HA		HA	H2	HA	H2
150	●		/	/	/	/
230	○		●	/	●	/
304	○		○	●	○	/
460	/		○	○	○	●
580	/		/	/	○	○
608	/		/	/	/	○

Note: ● Standard ; ○ Optional

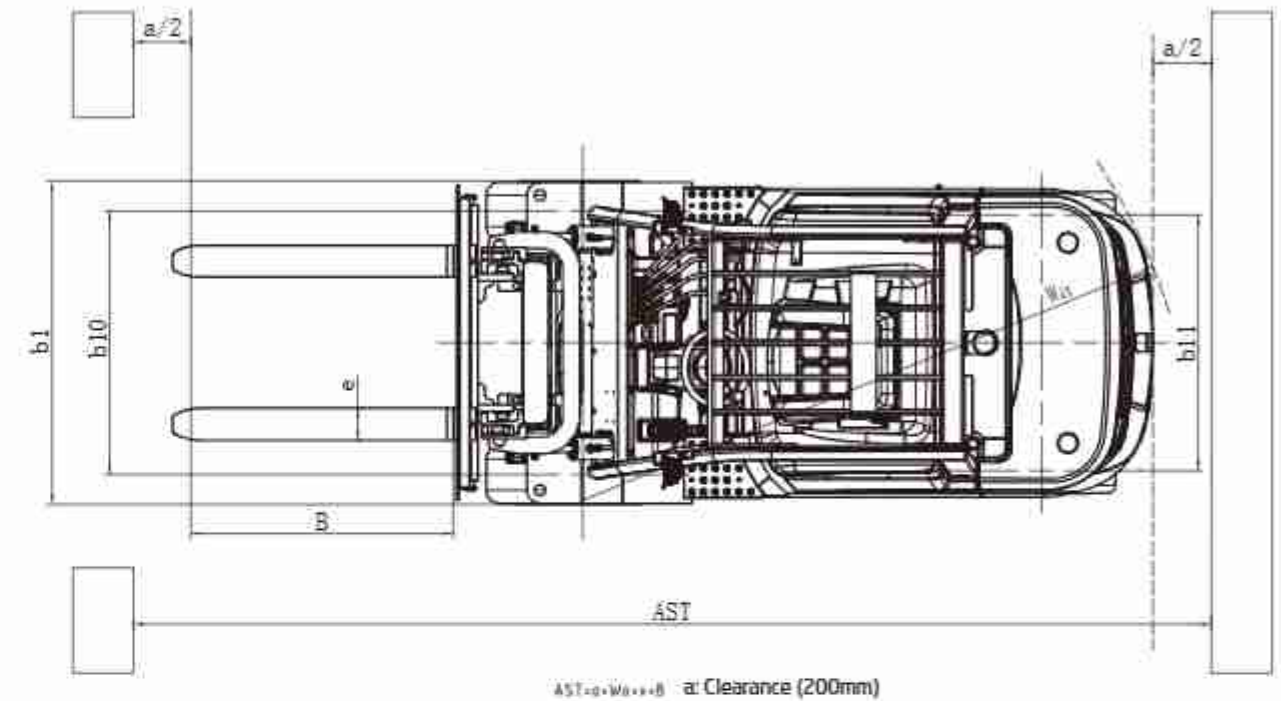
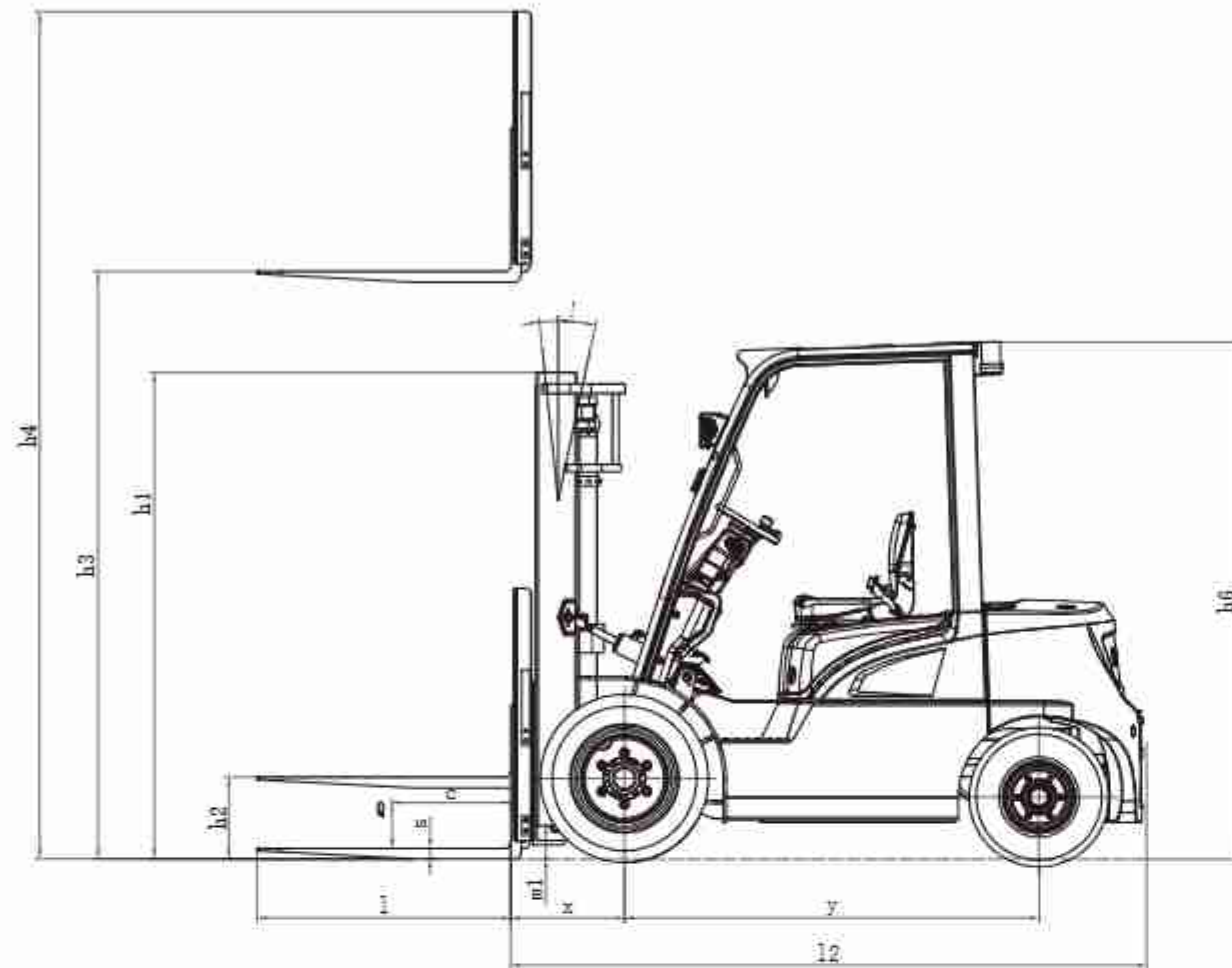
CATL Battery Capacity

Capacity(Ah)	1.5-2.0t 80V		2.0-2.5t 80V		3.0-3.5t 80V	
	HA		HA	H2	HA	H2
228	○		/	/	/	/
302	○		○	○	○	/
456	/		○	○	○	○
604	/		/	/	○	○

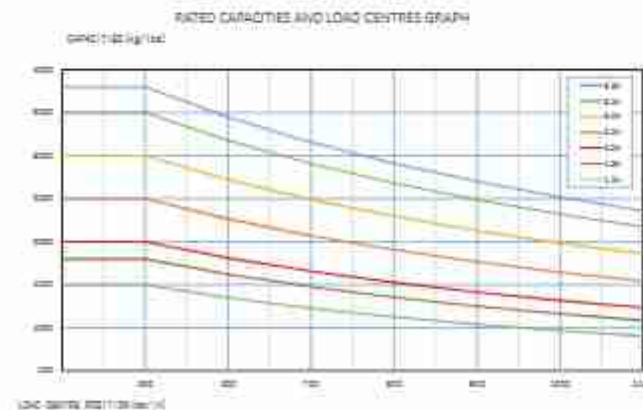
Note: ● Standard ; ○ Optional

Technical Data

S/N	Description	Unit	HANDECHA GROUP CO., LTD.													
			Model													
			CPD15-KEY2HA-SI	CPD18-KEY2HA-SI	CPD20-KEY2HA-SI	CPD20-KEY2HA-SI	CPD25-KEY2HA-SI	CPD30-KEY2HA-SI	CPD35-KEY2HA-SI	CPD38-KEY2HA-SI	CPD20-KEY2H2-SI	CPD25-KEY2H2-SI	CPD30-KEY2H2-SI	CPD35-KEY2H2-SI	CPD38-KEY2H2-SI	
1.1	Manufacturer															
1.2	Manufacturer's type designation															
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-pick		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated		
1.5	Rated capacity/ rated load	kg	1500	1800	2000	2000	2500	3000	3600	3800	2000	2500	3000	3500		
1.6	Load centre distance	c (mm)	500	500	500	500	500	500	500	500	500	500	500	500		
1.8	Load distance, centre of drive axle to fork	x (mm)	405	410	405	482.5	482.5	477.5	482.5	482.5	482.5	482.5	477.5	482.5		
1.9	Wheelbase	y (mm)	1450	1450	1450	1650	1650	1750	1750	1750	1650	1650	1750	1750		
2.1	Service Weight	kg	2460	2130	3230	3470	3860	4310	4890	4920	3525	3915	4470	4850		
2.2	Axle loading, laden front/rear	kg	3732/650	4280/650	4800/630	4720/750	5510/850	6370/840	7190/1000	7670/1050	4815/710	5580/835	6510/955	7325/1015		
2.3	Axle loading, unladen front/rear	kg	1180/1700	1210/1900	1070/1900	1360/1910	1590/2270	1790/2590	1770/2900	1790/3130	1575/1860	1615/2300	1790/2680	1840/3010		
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic		
3.2	Tyre size, front		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR	28x9-15-14PR	7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR		
3.3	Tyre size, rear		5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR		
3.5	Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2		
3.6	Tread, front	b ₀₁ (mm)	890	890	890	915	915	1005	1005	1025	905	965	1005	1035		
3.7	Tread, rear	b ₀₂ (mm)	920	920	920	975	975	975	975	975	970	970	975	975		
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	0/10	0/12	0/12	0/12	0/12	0/12	0/12	0/12	0/12	0/12	0/12	0/12		
4.2	Height, mast lowered	h ₀ (mm)	1890	1995	1985	1999	1999	2054	2189	2169	2034	2034	2109	2109		
4.3	Fork lift	h ₁ (mm)	155	155	160	160	160	165	170	170	160	165	170	170		
4.4	Lift	h ₂ (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000		
4.5	Height, mast extended	h ₃ (mm)	3955	3965	3965	4048	4048	4145	4145	4145	4048	4048	4145	4145		
4.7	Height of overhead guard (cabin)	h ₄ (mm)	2150(2190)	2150(2190)	2150(2190)	2165(2200)	2185(2200)	2180(2215)	2180(2215)	2180(2215)	2165(2200)	2165(2200)	2180(2215)	2180(2215)		
4.8	Seat height/stand height	h ₅ (mm)	1101	1101	1101	1111	1111	1126	1126	1126	1111	1111	1144	1144		
4.12	Towing Coupling height	h ₁₂ (mm)	500	500	500	500	500	515	515	515	500	500	515	515		
4.19	Overall length	l ₀ (mm)	2150	2150	2150	2670	2670	2725	2740	2740	2570	2570	2725	2740		
4.20	Length to face of forks	l ₁ (mm)	2230	2235	2230	2600	2500	2685	2670	2670	2500	2500	2685	2670		
4.21	Overall width	b ₀ /b ₁ (mm)	1125	1125	1125	1175	1170	1225	1225	1225	1225	1225	1225	1225		
4.22	Fork dimensions	a / z / l (mm)	35/100/920	35/100/920	40/100/920	40/122/1070	40/122/1070	45/122/1070	50/122/1070	50/122/1070	40/122/1070	40/122/1070	45/122/1070	50/122/1070		
4.23	Fork carriage ISO 2326, class/type A, B		ISO2326 2A	ISO2326 2A	ISO2326 2A	ISO2326 2A	ISO2326 2A	ISO2326 3A	ISO2326 3A	ISO2326 3A	ISO2326 2A	ISO2326 2A	ISO2326 3A	ISO2326 3A		
4.24	Fork-carriage width	b ₀ (mm)	1000	1000	1000	1038	1008	1100	1100	1100	1038	1038	1100	1100		
4.31	Ground clearance, laden, below mast	m ₀ (mm)	115	115	115	125	125	129	129	129	125	125	129	129		
4.32	Ground clearance, centre of wheelbase	m ₁ (mm)	130	130	130	140	140	155	155	155	140	140	155	155		
4.34.1	Axle width for pallets 1000 x 1200 crossways	A ₀₁ (mm)	3840	3845	3840	4082.5	4082.5	4227.5	4232.5	4232.5	3882.5	3882.5	4097.5	4102.5		
4.34.2	Axle width for pallets 800 x 1200 lengthways		3840	3845	3840	4082.5	4082.5	4227.5	4232.5	4232.5	4082.5	4082.5	4297.5	4302.5		
4.35	Turning radius	W ₀ (mm)	2035	2035	2035	2300	2200	2350	2350	2350	2200	2200	2420	2420		
4.36	Internal turning radius	b ₀₁ (mm)	/	/	/	/	/	/	/	/	/	/	/	/		
5.1	Travel speed, laden/unladen	km/h	15/15	15/15	15/15	15/17	16/17	17/18	17/18	17/18	20/22	20/20	20/20	19.5/19.5		
5.2	Lift speed, laden/unladen	mm/s	300/400	300/400	300/400	400/500	400/500	400/500	350/440	350/440	500/600	500/600	480/575	430/525		
5.3	Lowering speed, laden/unladen	mm/s	480/580	480/580	480/580	450/600	450/500	440/370	440/370	440/370	450/500	450/500	500/390	500/290		
5.6	Max. Drawbar pull, laden/unladen	N	7000	7000	7000	11000	11000	12000	12000	12000	15000	16000	20000	20000		
5.8	Max. gradeability, laden/unladen	%	18/25	18/25	15/25	20/25	20/25	20/25	18/25	17/25	20/25	20/25	20/25	18/25		
5.9	Acceleration time, laden/unladen (0-10m)	s	/	/	/	/	/	/	/	/	/	/	/	/		
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		
6.1	Drive motor rating IE3 B0 with	kW	10AC	10AC	10AC	16AC	16AC	16AC	16AC	16AC	20AC	20AC	20AC	20AC		
6.2	Lift motor rating IE3 IE%	kW	13AC	13AC	13AC	24AC	24AC	24AC	24AC	24AC	28AC	28AC	28AC	28AC		
6.3	Battery acc. to DIN 43531/35/36 A,B,C, no		/	/	/	/	/	/	/	/	/	/	/	/		
6.4	Battery voltage, nominal capacity V5	[V]/[Ah]orkWh	80/150	80/150	80/150	80/230	80/230	80/230	80/230	80/230	80/304	80/304	80/480	80/480		
6.6	Battery weight	kg	150	150	150	180	180	200	200	200	225	225	210	210		
10.1	Operating pressure for attachments	MPa	15	18.5	18.5	18.5	18.5	18.5	18.5	18.5	21	18.5	18.5	21		
10.2	Oil volume for attachments	ℓ/min	65	65	65	65	65	65	65	65	65	65	65	65		



1.5-mini2.0t(HA) 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		Load Capacity at 500mm					
					1.5/1.8t			1.5/1.8t			1.5/1.8t			1.5/1.8t		Single Tire					
	1.5t	1.8t	2.0t	2.0t	1.5t	1.8t	2.0t	1.5t	1.8t	2.0t	1.5t	1.8t	2.0t	1.5t	1.8t	1.5t	1.8t	2.0t	1.5t	1.8t	2.0t
Double mast Double mast Double mast	ADA15M200	ADA18M200	ADA20M200	2000	1405	1405	2548	2504	2955	2955	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M250	ADA18M250	ADA20M250	2500	1745	1745	3048	3004	3455	3455	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M300	ADA18M300	ADA20M300	3000	1845	1845	3248	3204	3655	3655	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M350	ADA18M350	ADA20M350	3500	1895	1895	3348	3304	3755	3755	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M400	ADA18M400	ADA20M400	4000	2145	2145	3848	3804	4255	4255	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M450	ADA18M450	ADA20M450	4500	2245	2245	4148	4104	4555	4555	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M500	ADA18M500	ADA20M500	5000	2345	2345	4348	4304	4755	4755	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M550	ADA18M550	ADA20M550	5500	2395	2395	4448	4404	4855	4855	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M600	ADA18M600	ADA20M600	6000	2445	2445	4548	4504	4955	4955	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M650	ADA18M650	ADA20M650	6500	2495	2495	4648	4604	5055	5055	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
Double mast Double mast Double mast	ADA15M700	ADA18M700	ADA20M700	7000	2545	2545	4748	4704	5155	5155	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M750	ADA18M750	ADA20M750	7500	2595	2595	4848	4804	5255	5255	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M800	ADA18M800	ADA20M800	8000	2645	2645	4948	4904	5355	5355	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M850	ADA18M850	ADA20M850	8500	2695	2695	5048	5004	5455	5455	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M900	ADA18M900	ADA20M900	9000	2745	2745	5148	5104	5555	5555	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M950	ADA18M950	ADA20M950	9500	2795	2795	5248	5204	5655	5655	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1000	ADA18M1000	ADA20M1000	10000	2845	2845	5348	5304	5755	5755	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1050	ADA18M1050	ADA20M1050	10500	2895	2895	5448	5404	5855	5855	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1100	ADA18M1100	ADA20M1100	11000	2945	2945	5548	5504	5955	5955	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1150	ADA18M1150	ADA20M1150	11500	2995	2995	5648	5604	6055	6055	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
Double mast Double mast Double mast	ADA15M1200	ADA18M1200	ADA20M1200	12000	3045	3045	5748	5704	6155	6155	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1250	ADA18M1250	ADA20M1250	12500	3095	3095	5848	5804	6255	6255	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1300	ADA18M1300	ADA20M1300	13000	3145	3145	5948	5904	6355	6355	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1350	ADA18M1350	ADA20M1350	13500	3195	3195	6048	6004	6455	6455	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1400	ADA18M1400	ADA20M1400	14000	3245	3245	6148	6104	6555	6555	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1450	ADA18M1450	ADA20M1450	14500	3295	3295	6248	6204	6655	6655	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1500	ADA18M1500	ADA20M1500	15000	3345	3345	6348	6304	6755	6755	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1550	ADA18M1550	ADA20M1550	15500	3395	3395	6448	6404	6855	6855	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1600	ADA18M1600	ADA20M1600	16000	3445	3445	6548	6504	6955	6955	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000
	ADA15M1650	ADA18M1650	ADA20M1650	16500	3495	3495	6648	6604	7055	7055	155	160	155	160	5/8	1500	1800	2000	1500	1800	2000

SUBTRACT 100kg WITH INTEGRAL SIDESHIFTER, SUBTRACT 150kg WITH EXTERNAL SIDESHIFTER.

2-2.5t(H2) 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 500mm			
										Single Time		Double time	
										2T	2.5T	2T	2.5T
		mm	mm	mm	mm	mm	mm	[°]	kg	kg	kg	kg	
Double side full mast	KR25M200	2200	1534	2707	3048	180	180	6/6	2000	2500	2000	2500	
	KR25M250	2500	1784	3007	3548	180	180	6/12	2000	2500	2000	2500	
	KR25M270	2700	1884	3407	3748	180	180	6/12	2000	2500	2000	2500	
	KR25M300	3000	2034	3707	4048	180	180	6/12	2000	2500	2000	2500	
	KR25M330	3300	2184	4007	4348	180	180	6/12	2000	2500	2000	2500	
	KR25M360	3600	2386	4307	4648	180	180	6/12	2000	2500	2000	2500	
	KR25M400	4000	2638	4707	5048	180	180	6/6	2000	2500	2000	2500	
	KR25M430	4300	2786	5007	5348	180	180	6/6	2000	2500	2000	2500	
	KR25M450	4500	2886	5207	5548	180	180	6/6	2000	2500	2000	2500	
	KR25M480	4800	3038	5507	5848	180	180	6/6	1850	2350	2000	2450	
	KR25M500	5000	3138	5707	6048	180	180	6/6	1850	2300	1950	2350	
	KR25M550	5500	3386	6207	6548	180	180	3/6	1750	2150	1900	2300	
	KR25M600	6000	3638	6707	7048	180	180	3/6	1550	1900	1800	2000	
Double full-free mast	KR25U250	2500	1750	3179	3548	1010	703	6/12	2000	2500	2000	2500	
	KR25U270	2700	1850	3279	3748	1110	803	6/12	2000	2500	2000	2500	
	KR25U300	3000	2000	3678	4048	1260	853	6/12	2000	2500	2000	2500	
	KR25U330	3300	2150	3979	4348	1410	1103	6/12	2000	2500	2000	2500	
	KR25U360	3600	2300	4278	4648	1560	1253	6/12	2000	2500	2000	2500	
	KR25U400	4000	2550	4678	5048	1810	1503	6/12	2000	2500	2000	2500	
	KR25N400	4000	2550	4738	5048	1270	803	6/6	2000	2500	2000	2500	
	KR25N430	4300	2700	5038	5348	1370	1053	6/6	2000	2450	2000	2500	
	KR25N450	4500	2800	5238	5548	1420	1053	6/6	2000	2350	2000	2450	
	KR25N470	4700	2900	5438	5748	1520	1153	6/6	1950	2300	2000	2350	
Triple full-free mast	KR25N480	4800	3000	5638	5948	1620	1153	6/6	1850	2250	2000	2350	
	KR25N500	5000	3100	5738	6048	1620	1253	6/6	1850	2150	1950	2250	
	KR25N550	5500	3400	6238	6548	1770	1403	3/6	1750	2050	1900	2100	
	KR25N600	6000	3650	6738	7048	1970	1603	3/6	1550	1850	1800	2050	
	KR25N650	6500	3950	7238	7548	2170	1803	3/6	/	/	1550	1800	
	KR25N700	7000	4150	7738	8048	2470	2053	3/6	/	/	1150	1450	

SUBTRACT 100kg WITH INTEGRAL SIDESHIFTER. SUBTRACT 150kg WITH EXTERNAL SIDESHIFTER.

2-2.5t(HA) 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 500mm			
										Single Time		Double time	
										2t	2.5t	2t	2.5t
		mm	mm	mm	mm	mm	mm	°	kg	kg	kg	kg	
Double side full mast	A2A25M200	2000	1438	2707	3048	180	180	6/6	2000	2500	2000	2500	
	A2A25M250	2500	1748	3207	3548	180	180	6/12	2000	2500	2000	2500	
	A2A25M270	2700	1848	3407	3748	180	180	6/12	2000	2500	2000	2500	
	A2A25M300	3000	1998	3707	4048	180	180	6/12	2000	2500	2000	2500	
	A2A25M330	3300	2148	4007	4348	180	180	6/12	2000	2500	2000	2500	
	A2A25M360	3600	2348	4307	4648	180	180	6/12	2000	2500	2000	2500	
	A2A25M400	4000	2598	4707	5048	180	180	6/6	2000	2500	2000	2500	
	A2A25M430	4300	2748	5007	5348	180	180	6/6	2000	2500	2000	2500	
	A2A25M450	4500	2848	5207	5548	180	180	6/6	2000	2450	2000	2500	
	A2A25M480	4800	2998	5507	5848	180	180	6/6	1850	2350	2000	2450	
	A2A25M500	5000	3098	5707	6048	180	180	6/6	1850	2300	1950	2350	
	A2A25M550	5500	3348	6207	6548	180	180	3/6	1750	2150	1900	2200	
	A2A25M600	6000	3598	6707	7048	180	180	3/6	1550	1900	1800	2000	
Double full-free mast	A2A25U250	2500	1784	3179	3548	1010	813	6/12	2000	2500	2000	2500	
	A2A25U270	2700	1884	3279	3748	1110	913	6/12	2000	2500	2000	2500	
	A2A25U300	3000	2034	3678	4048	1260	863	6/12	2000	2500	2000	2500	
	A2A25U330	3300	2184	3979	4348	1410	1013	6/12	2000	2500	2000	2500	
	A2A25U360	3600	2334	4278	4648	1560	1163	6/12	2000	2500	2000	2500	
	A2A25U400	4000	2584	4678	5048	1810	1413	6/12	2000	2500	2000	2500	
	A2A25N400	4000	2584	4738	5048	1260	913	6/6	2000	2500	2000	2500	
	A2A25N430	4300	2734	5038	5348	1360	1013	6/6	2000	2450	2000	2500	
	A2A25N450	4500	2834	5238	5548	1410	1063	6/6	2000	2350	2000	2450	
	A2A25N470	4700	2934	5438	5748	1510	1163	6/6	1950	2300	2000	2350	
Triple full-free mast	A2A25N480	4800	3034	5638	5948	1610	1213	6/6	1850	2250	2000	2350	
	A2A25N500	5000	3134	5738	6048	1660	1313	6/6	1850	2150	1950	2250	
	A2A25N550	5500	3384	6238	6548	1810	1513	3/6	1750	2050	1900	2100	
	A2A25N600	6000	3634	6738	7048	2010	1713	3/6	1550	1850	1800	1950	
	A2A25N650	6500	3884	7238	7548	2210	1913	3/6	/	/	1550	1800	
	A2A25N700	7000	4134	7738	8048	2510	2213	3/6	/	/	1150	1450	

SUBTRACT 100kg WITH INTEGRAL SIDESHIFTER. SUBTRACT 150kg WITH EXTERNAL SIDESHIFTER.

3-3.8t(H2) 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			Load Capacity at 500mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																Single Time				Double time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					2t	2.5t	3.0t	2t	2.5t	3.0t	2t	2.5t	3.0t	2t		2.5t	3.0t	2t	2.5t	3.0t																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm

Features

Color	Standard	Options
Yellow/black	●	
Other customized color		○
Particular market		
CE Standard		○
Cold storage environment		
-30°C		○
Mast		
Standard duplex mast	●	
Configuration Table of the Mast		○
Fork and attachment		
Standard fork	●	
Fork arm carrier	●	
Load backrest	●	
Non-standard series fork		○
Various attachments		○
Tires		
Pneumatic tire (single)	●	
Pneumatic tire (dual)		○
Solid tire (single)		○
Solid tire (dual)		○
Multway valve		
Double multi-way valve	●	
Potentiometer for lift	●	
3rd valve		○
4th valve		○
5th valve (2.0-3.0t)		○
Tiller		
Lifting and tilting level	●	
Fingertip system		○
Battery		
Standard lithium battery	●	
Large-capacity lithium battery		○
Quick-change lithium battery		○
Light		
LED head lamp	●	
Turn signal lamp	●	
LED rear combination lamp	●	
Common alarm lamp		○
Acoustic and optical alarm lamp		○
LED rear lamp		○
Blue light		○
Straight projection lamp		○
Horn		
Electric horn	●	
Reverse buzzer	●	
Right rear armrest with horn button		○
Smart module		
FIMS(Fleet intelligent management system)		○

Features

Safety configuration	Standard	Options
Emergency power-off switch	●	
Fuse box	●	
Soft landing	●	
Reversing radar		○
DPS system		○
Fire extinguisher		○
Ascending buffering		○
Parking brake		
Mechanical handbrake	●	
EPB(Electric Parking Brake)		○
Instrument rack space		
Smart color screen instrument (speed mode selection)	●	
Combination switch	●	
Cigarette lighter		○
USB port		○
Electronic code lock (start by swiping a card)		○
Driving space		
Standard overhead guard	●	
Central rear view mirror	●	
Front windshield		○
PVC ceiling		○
Cab		○
Electric fan		○
Left and right rear view mirrors		○
Seat		
Standard seat	●	
Fully-suspended seat		○
Semi-suspended seat		○
Other standard configuration		
Drive and lifting controllers	●	
Driving and lifting motors	●	
Silent gear pump	●	
DC-DC converter	●	
Pedal pad	●	
Traction pin	●	
Integral stamped side panel and hood	●	