



HANGCHA FORKLIFT CANADA INC.

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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;



25%
MAX. GRADEABILITY
(unladen)



18 Km/h
TRAVEL SPEED
(unladen)

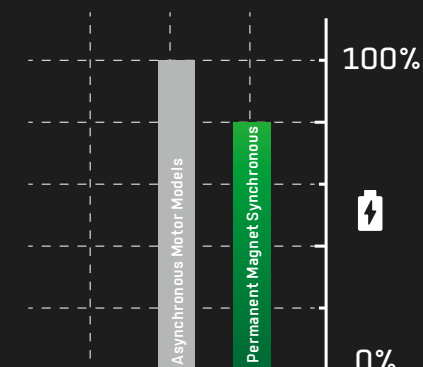


500 mm/s
LIFT SPEED
(unladen)



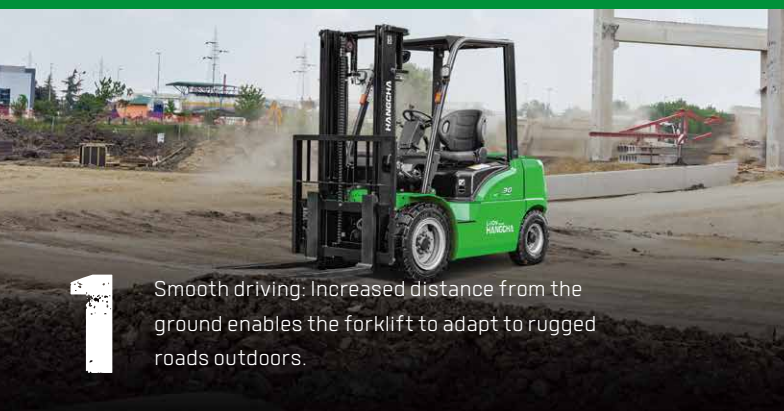
With the **80V dual permanent magnet synchronous motor system** with higher power density, as well the highly fitted speed reducer, motors and electrical control, under the same operating conditions, compared with the traditional asynchronous motor model, the energy consumption is reduced by 15%-20%.

15-20%
ENERGY SAVING



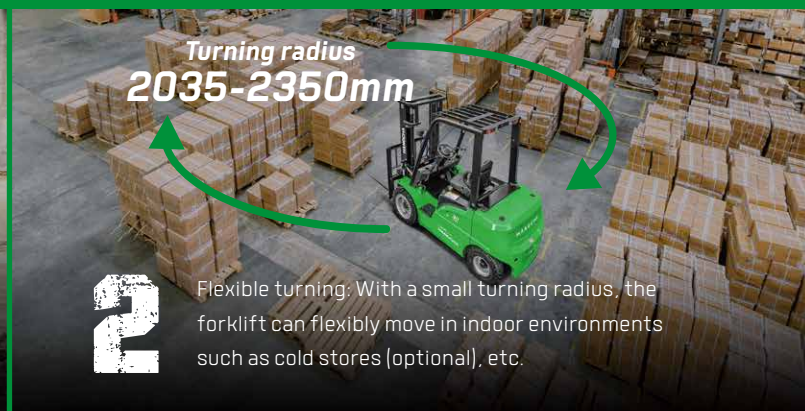


ADAPTABILITY TO DIFFERENT SCENARIOS



1

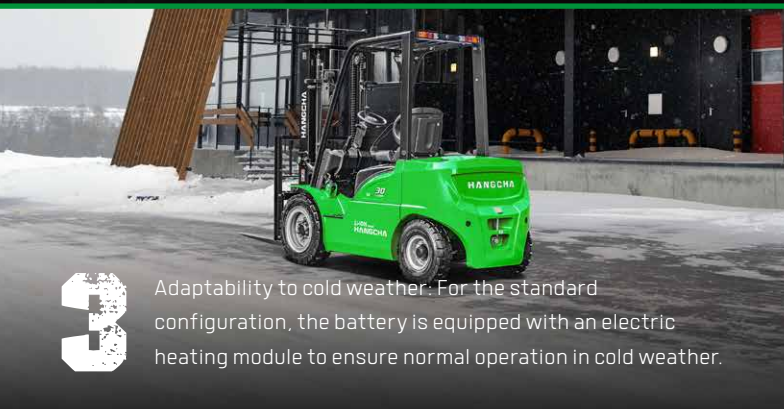
Smooth driving: Increased distance from the ground enables the forklift to adapt to rugged roads outdoors.



2

Turning radius
2035-2350mm

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]

- 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

HANGCHA WARRANTY SERVICE

**6 YEARS
WARRANTY**

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.



EVE Battery Capacity

Capacity(Ah)	1.5-mini2.0t 80V	2.0-2.5t 80V		3.0-3.8t 80V	
	HA	HA	H2	HA	H2
150	●	/	/	/	/
230	○	●	/	●	/
304	○	○	●	○	/
460	/	○	○	○	●
560	/	/	/	○	○
608	/	/	/	/	○

Note: ● Standard ; ○ Optional

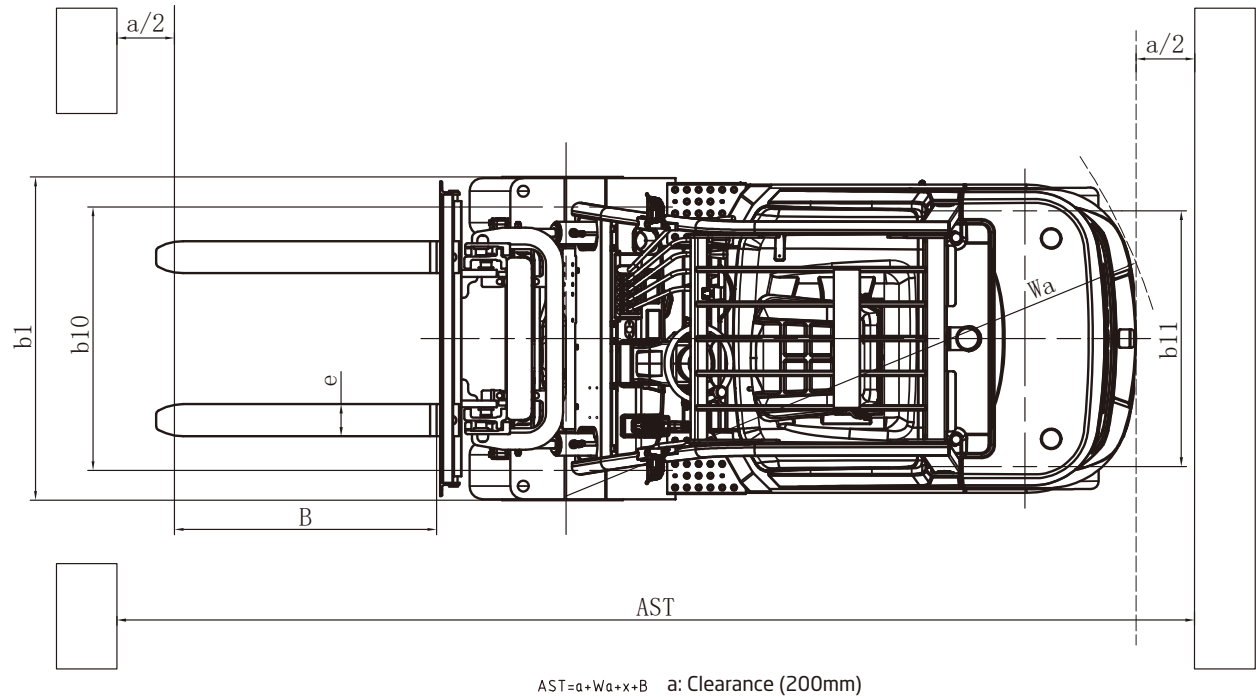
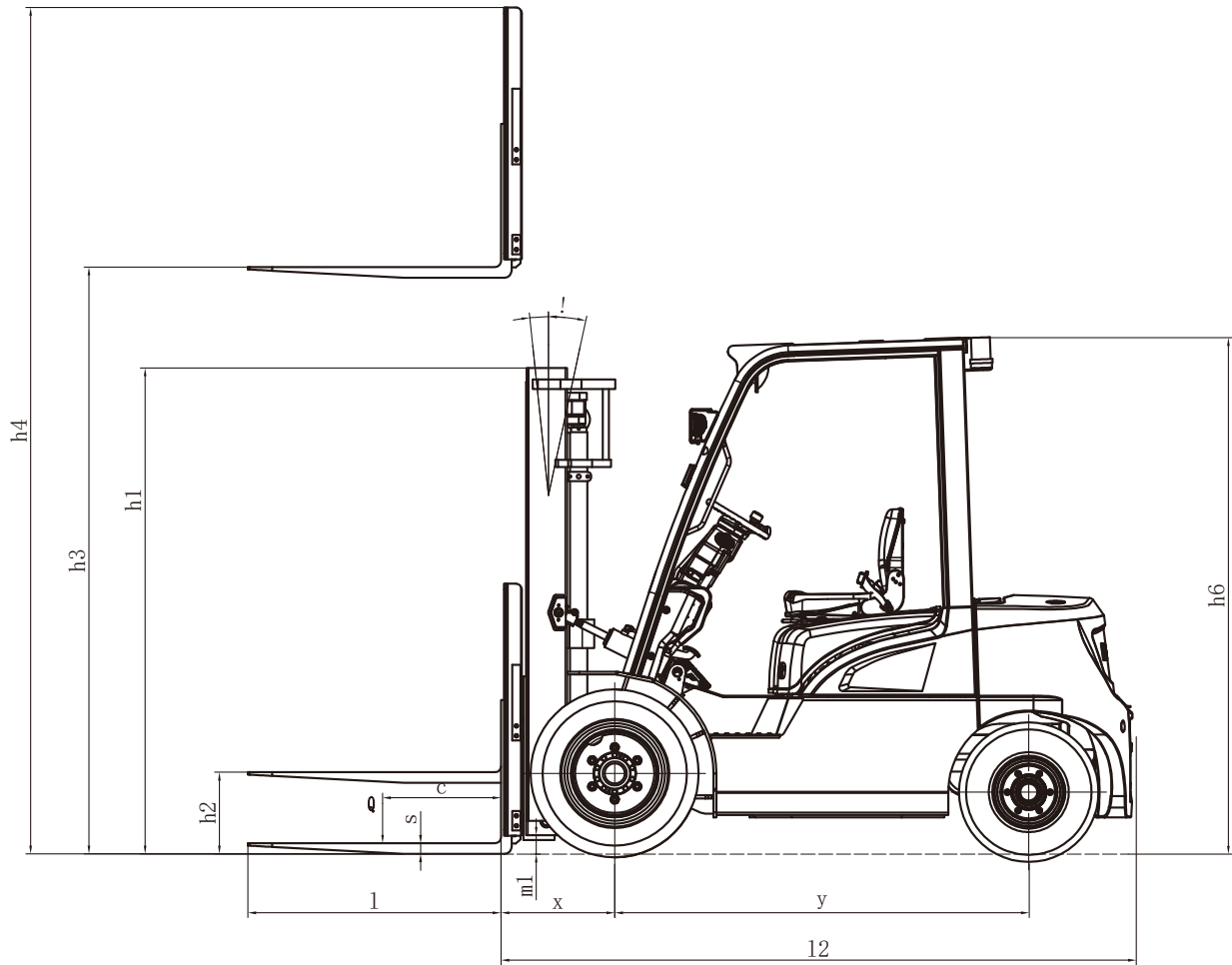
CATL Battery Capacity

Capacity(Ah)	1.5-mini2.0t 80V	2.0-2.5t 80V		3.0-3.8t 80V	
	HA	HA	H2	HA	H2
228	○	/	/	/	/
302	○	○	○	○	/
456	/	○	○	○	○
604	/	/	/	○	○

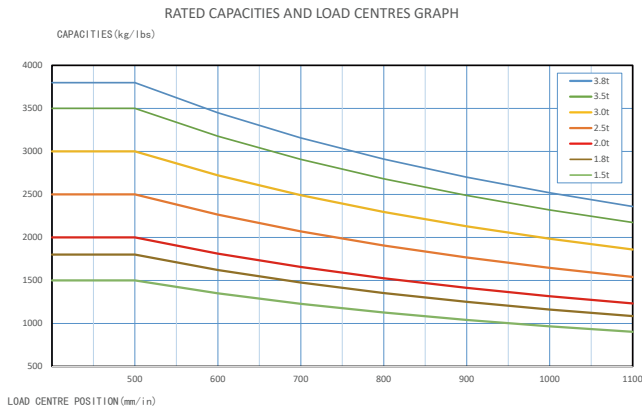
Note: ● Standard ; ○ Optional

Technical Data

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.													
	1.2	Manufacturer's type designation		CPD15-KEY2HA-SI	CPD18-KEY2HA-SI	CPD20-KEYY2HA-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	
	1.3	Drive: electric [battery or mains], diesel, petrol, fuel gas		Electric	Electric	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	Seated	Seated
	1.5	Rated capacity/ rated load	kg	1500	1800	2000	2000	2500	3000	3500	3800	2000	2500	3000	3500	3800	
	1.6	Load centre distance	c (mm)	500	500	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	462.5	462.5	477.5	482.5	482.5	462.5	462.5	477.5	482.5	482.5	482.5
	1.9	Wheelbase	y (mm)	1450	1450	1450	1650	1650	1750	1750	1750	1650	1650	1750	1750	1750	1750
	Weight	2.1	Service Weight	kg	2880	3130	3230	3470	3860	4310	4690	4920	3525	3915	4470	4850	5080
2.2		Axle loading, laden front/rear	kg	3730/650	4280/650	4600/630	4720/750	5510/850	6370/940	7190/1000	7670/1050	4815/710	5580/835	6515/955	7335/1015	7810/1070	
2.3		Axle loading, unladen front/rear	kg	1180/1700	1210/1920	1270/1960	1560/1910	1590/2270	1720/2590	1770/2920	1790/3130	1575/1950	1615/2300	1790/2680	1840/3010	1845/3235	
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	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	28.9-15-14PR	28.9-15-14PR	28.9-15-14PR	
	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	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	2x/2	2x/2
	3.6	Tread, front	b10 (mm)	890	890	890	965	965	1005	1005	1005	965	965	1005	1005	1005	1005
	3.7	Tread, rear	b11 (mm)	920	920	920	975	975	975	975	975	973	973	973	975	975	975
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 (mm)	1995	1995	1995	1999	1999	2054	2169	2169	2034	2034	2054	2169	2169	2169
	4.3	Free lift	h2 (mm)	155	155	160	160	160	165	170	170	160	160	165	170	170	170
	4.4	Lift	h3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	3955	3955	3955	4046	4046	4145	4145	4145	4046	4046	4145	4145	4145	4145
	4.7	Height of overhead guard [cabin]	h6 (mm)	2155[2190]	2155[2190]	2155[2190]	2165[2200]	2165[2200]	2180[2215]	2180[2215]	2180[2215]	2165[2200]	2165[2200]	2180[2215]	2180[2215]	2180[2215]	2180[2215]
	4.8	Seat height/stand height	h7 (mm)	1101	1101	1101	1111	1111	1126	1126	1126	1111	1111	1144	1144	1144	1144
	4.12	Towing Coupling height	h10 (mm)	500	500	500	500	500	515	515	515	500	500	515	515	515	515
	4.19	Overall length	l1 (mm)	3													



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		FWD/RWD		Load Capacity at 500mm					
																Single Tire			Double tire		
	1.5/1.8t	mini2.0t	1.5/1.8t	mini2.0t	1.5/1.8t	mini2.0t	1.5/1.8t	mini2.0t	1.5/1.8t	mini2.0t	1.5/1.8t	mini2.0t	1.5t	1.8t	mini2.0t	1.5t	1.8t	mini2.0t			
	1.5t	1.8t	mini2.0t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg	kg	kg	kg	
Duplex wide view mast	A2A15M200	A2A18M200	XEX20M200	2000	1495	1495	2548	2504	2955	2955	155	160	155	160	6/6	1500	1800	2000	1500	1800	2000
	A2A15M250	A2A18M250	XEX20M250	2500	1745	1745	3048	3004	3455	3455	155	160	155	160	6/12	1500	1800	2000	1500	1800	2000
	A2A15M270	A2A18M270	XEX20M270	2700	1845	1845	3248	3204	3655	3655	155	160	155	160	6/12	1500	1800	2000	1500	1800	2000
	A2A15M300	A2A18M300	XEX20M300	3000	1995	1995	3548	3504	3955	3955	155	160	155	160	6/12	1500	1800	2000	1500	1800	2000
	A2A15M330	A2A18M330	XEX20M330	3300	2145	2145	3848	3804	4255	4255	155	160	155	160	6/12	1500	1800	2000	1500	1800	2000
	A2A15M360	A2A18M360	XEX20M360	3600	2345	2345	4148	4104	4555	4555	155	160	155	160	6/12	1500	1800	2000	1500	1800	2000
	A2A15M400	A2A18M400	XEX20M400	4000	2595	2595	4548	4540	4955	4955	155	160	155	160	6/6	1500	1800	2000	1500	1800	2000
	A2A15M430	A2A18M430	XEX20M430	4300	2745	2745	4848	4840	5255	5255	155	160	155	160	6/6	1500	1700	1850	1500	1750	2000
	A2A15M450	A2A18M450	XEX20M450	4500	2845	2845	5048	5040	5455	5455	155	160	155	160	6/6	1500	1650	1850	1500	1700	1900
Duplex full-free mast	A2A15M480	A2A18M480	XEX20M480	4800	2995	2995	5348	5340	5755	5755	155	160	155	160	6/6	1400	1600	1750	1500	1650	1850
	A2A15M500	A2A18M500	XEX20M500	5000	3095	3095	5548	5540	5955	5955	155	160	155	160	6/6	1350	1550	1650	1400	1600	1750
	A2A15U250	A2A18U250	XEX20U250	2500	1760	1745	3074	3060	3445	3445	1185	1185	815	800	6/12	1500	1800	2000	1500	1800	2000
	A2A15U270	A2A18U270	XEX20U270	2700	1860	1845	3274	3260	3645	3645	1285	1285	915	900	6/12	1500	1800	2000	1500	1800	2000
	A2A15U300	A2A18U300	XEX20U300	3000	2010	1995	3574	3560	3945	3945	1435	1435	1065	1050	6/12	1500	1800	2000	1500	1800	2000
	A2A15U330	A2A18U330	XEX20U330	3300	2160	2145	3874	3860	4245	4245	1585	1585	1215	1200	6/12	1500	1800	2000	1500	1800	2000
	A2A15U360	A2A18U360	XEX20U360	3600	2310	2295	4174	4160	4545	4545	1735	1735	1365	1350	6/12	1500	1800	2000	1500	1800	2000
	A2A15U400	A2A18U400	XEX20U400	4000	2560	2545	4574	4560	4945	4945	1985	1985	1615	1600	6/12	1500	1800	2000	1500	1800	2000
	A2A15N400	A2A18N400	XEX20N400	4000	1960	1945	4694	4555	4955	4955	1276	1392	1015	1000	6/6	1500	1800	1950	1500	1800	2000
Triplex full-free mast	A2A15N430	A2A18N430	XEX20N430	4300	2060	2045	4994	4855	5255	5255	1376	1492	1115	1100	6/6	1500	1650	1850	1500	1800	1950
	A2A15N450	A2A18N450	XEX20N450	4500	2110	2095	5194	5037	5455	5455	1426	1542	1165	1150	6/6	1500	1650	1800	1500	1750	1900
	A2A15N470	A2A18N470	XEX20N470	4700	2210	2195	5394	5237	5655	5655	1526	1642	1265	1250	6/6	1400	1600	1750	1500	1650	1850
	A2A15N480	A2A18N480	XEX20N480	4800	2260	2195	5494	5337	5755	5755	1576	1642	1315	1250	6/6	1400	1600	1750	1500	1650	1850
	A2A15N500	A2A18N500	XEX20N500	5000	2360	2295	5694	5537	5955	5955	1676	1742	1415	1350	6/6	1400	1550	1700	1450	1600	1800
	A2A15N550	A2A18N550	XEX20N550	5500	2560	2445	6194	6037	6455	6455	1876	1892	1615	1500	3/6	1250	1500	1650	1350	1550	1750
	A2A15N600	A2A18N600	XEX20N600	6000	2810	2645	6694	6537	6955	6955	2126	2092	1865	1700	3/6	1100	1300	1450	1150	1400	1500

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 Tire		Double tire	
										2t	2.5t	2t	2.5t
Duplex wide view mast	XR25M200	2000	1534	2707	3046	160	160	6/6	2000	2500	2000	2500	
	XR25M250	2500	1784	3207	3546	160	160	6/12	2000	2500	2000	2500	
	XR25M270	2700	1884	3407	3746	160	160	6/12	2000	2500	2000	2500	
	XR25M300	3000	2034	3707	4046	160	160	6/12	2000	2500	2000	2500	
	XR25M330	3300	2184	4007	4346	160	160	6/12	2000	2500	2000	2500	
	XR25M360	3600	2385	4307	4646	160	160	6/12	2000	2500	2000	2500	
	XR25M400	4000	2635	4707	5046	160	160	6/6	2000	2500	2000	2500	
	XR25M430	4300	2785	5007	5346	160	160	6/6	2000	2500	2000	2500	
	XR25M450	4500	2885	5207	5546	160	160	6/6	2000	2450	2000	2500	
	XR25M480	4800	3035	5507	5846	160	160	6/6	1950	2350	2000	2450	
	XR25M500	5000	3135	5707	6046	160	160	6/6	1850	2300	1950	2350	
	XR25M550	5500	3385	6207	6546	160	160	3/6	1750	2150	1900	2200	
XR25M600	6000	3635	6707	7046	160	160	3/6	1550	1900	1800	2000		
Duplex full-free mast	XR25U250	2500	1750	3179	3546	1010	703	6/12	2000	2500	2000	2500	
	XR25U270	2700	1850	3379	3746	1110	803	6/12	2000	2500	2000	2500	
	XR25U300	3000	2000	3679	4046	1260	953	6/12	2000	2500	2000	2500	
	XR25U330	3300	2150										

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 Tire		Double tire	
										2t	2.5t	2t	2.5t
Duplex wide view mast	A2A25M200	2000	1499	2707	3046	160	160	6/6	2000	2500	2000	2500	
	A2A25M250	2500	1749	3207	3546	160	160	6/12	2000	2500	2000	2500	
	A2A25M270	2700	1849	3407	3746	160	160	6/12	2000	2500	2000	2500	
	A2A25M300	3000	1999	3707	4046	160	160	6/12	2000	2500	2000	2500	
	A2A25M330	3300	2149	4007	4346	160	160	6/12	2000	2500	2000	2500	
	A2A25M360	3600	2349	4307	4646	160	160	6/12	2000	2500	2000	2500	
	A2A25M400	4000	2599	4707	5046	160	160	6/6	2000	2500	2000	2500	
	A2A25M430	4300	2749	5007	5346	160	160	6/6	2000	2500	2000	2500	
	A2A25M450	4500	2849	5207	5546	160	160	6/6	2000	2450	2000	2500	
	A2A25M480	4800	2999	5507	5846	160	160	6/6	1950	2350	2000	2450	
	A2A25M500	5000	3099	5707	6046	160	160	6/6	1850	2300	1950	2350	
	A2A25M550	5500	3349	6207	6546	160	160	3/6	1750	2150	1900	2200	
A2A25M600	6000	3599	6707	7046	160	160	3/6	1550	1900	1800	2000		
Duplex full-free mast	A2A25U250	2500	1764	3179	3546	1025	619	6/12	2000	2500	2000	2500	
	A2A25U270	2700	1864	3379	3746	1125	719	6/12	2000	2500	2000	2500	
	A2A25U300	3000	2014	3679	4046	1275	869	6/12	2000	2500	2000	2500	
	A2A25U330												

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			FWD/RWD	Load Capacity at 500mm					
																Single Tire			Double tire		
																3t	3.5t	3.8t	3t	3.5t	3.8t
	3t	3.5/3.8t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	kg	kg	kg	kg	kg	kg	
Duplex wide view mast	XR30M200	XRZ35M200	2000	1554	1669	2767	2842	3145	3145	165	170	165	170	6/6	3000	3500	3800	3000	3500	3800	
	XR30M250	XRZ35M250	2500	1804	1919	3267	3342	3645	3645	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M270	XRZ35M270	2700	1904	2019	3467	3542	3845	3845	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M300	XRZ35M300	3000	2054	2169	3767	3842	4145	4145	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M330	XRZ35M330	3300	2204	2319	4067	4142	4445	4445	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M360	XRZ35M360	3600	2404	2469	4367	4442	4745	4745	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M400	XRZ35M400	4000	2654	2769	4767	4842	5145	5145	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	XR30M430	XRZ35M430	4300	2804	2919	5067	5142	5445	5445	165	170	165	170	6/6	3000	3400	3700	3000	3500	3800	
	XR30M450	XRZ35M450																			

Features

Color	Standard	Options
Green-black	●	
Other customized color		○
Particular market		
CE Standard		○
Cold storage environment		
-30℃		○
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)		○
Multiway valve		
Double multi-way valve	●	
Potionmeter for lift	●	
3rd vavle		○
4th vavle		○
5th vavle (2.0-3.8t)		○
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		○
OPS 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	●	