



XE Series Electric Forklift Truck With Lithium Power

with capacities of 1,500 to 3,800kg



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XE Series Electric Forklift Truck With Lithium Power

XE series lithium battery forklifts are high quality products developed by ALVOX on the basis of the advantages of "lithium battery special structure" and "permanent magnet synchronous technology". It has two models, one is standard model and the other is heavy-duty model. 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 heavy-duty 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.

Comfortable experience

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

Flexible scenarios

- / Smooth travel: ground clearance increased, to adapt to outdoor rough roads;
- / Flexible turning: turning radius reduced, to allow flexible shuttling in indoor environments such as cold store (optional);
- / No fear of cold: the battery equipped with standard electric heating module, to ensure normal operation in cold weather;
- / No fear of wind and rain: IPX4 for the whole forklift, to easily achieve water resistance of rainstorm level.

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;
- / The 80V double permanent magnet synchronous motor system allows higher power density, and through deep matching of the gearbox, motors and electronic controls, reduces the energy consumption by 15% to 20% than that of the traditional asynchronous motor models in the same working conditions.



Double permanent magnet synchronous motor system



Ground clearance increased



Ergonomically designed forklift enables a wide view



Turning radius reduced

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.

Optional battery list

Capacity(Ah) ALVOX	1.5/1.8/ mini2.0t 80V	2.0/2.5t 80V	3.0/3.5/3.8t 80V	3.0/3.5/3.8t H1 80V
160	●	○	/	/
230	○	●	●	/
304	○	○	○	/
460	/	○	○	●
560	/	/	/	○
608	/	/	/	○

Capacity(Ah) CATL	1.5/1.8/ mini2.0t 80V	2.0/2.5t 80V	3.0/3.5/3.8t 80V	3.0/3.5/3.8t H1 80V
228	○	○	/	/
302	○	○	○	/
456	/	○	○	○
604	/	/	/	○

Note: ● Standard battery capacity; ○ Optional battery capacity;

Configuration

NO.	Configuration	Standard configuration	Optional
1	Color	Yellow-black	Other customized color
2	Particular market	/	CE Standard
3	Cold storage environment	/	-18℃ -30℃
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	Pneumatic tire (single)	Pneumatic tire (dual) Solid tire (single) Solid tire (dual)
7	Multiway valve	Double multi-way valve	Triple valve Quadruple valve Quintuple valve
8	Tiller	Lifting and tilting joystick	Thumb switch
9	Battery	Standard lithium battery	Large-capacity lithium battery Quick-change lithium battery
10	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
11	Horn	Electric horn Reverse buzzer	Right rear armrest with horn button
12	Smart module	/	Jiachen smart module Safety management module
13	Safety configuration	Emergency power-off switch Fuse box Descending buffering	Reversing radar OPS sensing system Fire extinguisher Ascending buffering
14	Parking brake	Mechanical handbrake	Electronic handbrake
15	Instrument rack space	Smart color-screen instrument (speed mode selection) Combination switch	Cigarette lighter USB port Electronic code lock (start by swiping a card)
16	Driving space	Standard overhead guard Central rear view mirror	Front windshield PVC ceiling Cab Electric fan Left and right rear view mirrors
17	Chair	Standard seat	Fully-suspended seat Semi-suspended seat
18	Other standard configuration	Drive and lifting controllers Driving and lifting motors Oil pump reducer Silent gear pump DC-DC converter Pedal pad Traction pin Integral stamped side panel and hood	



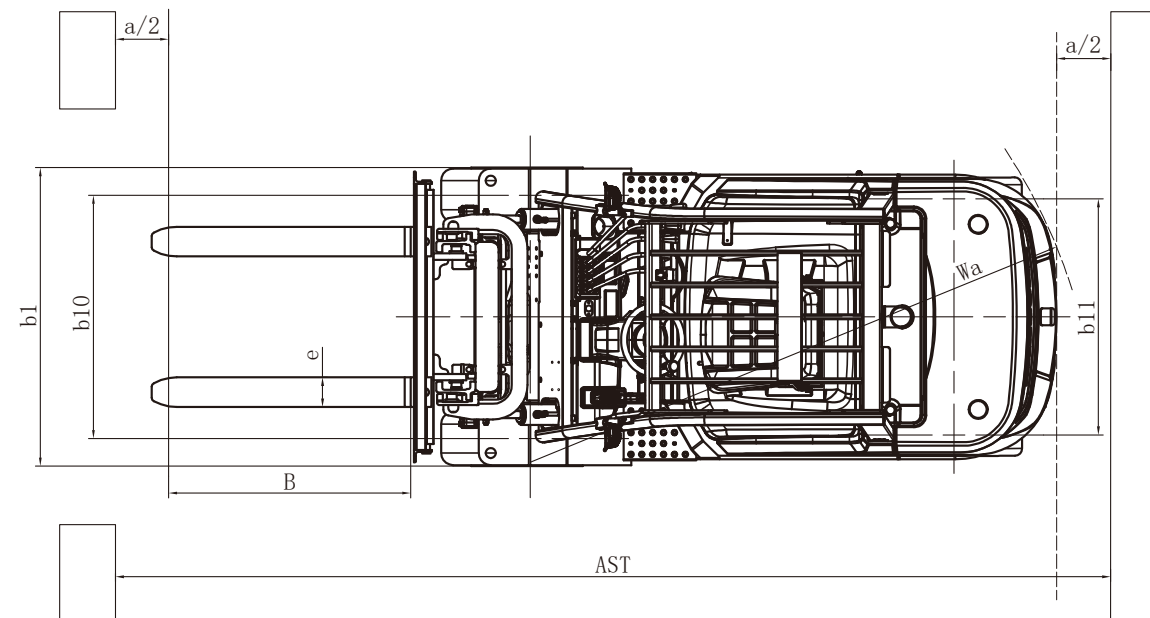
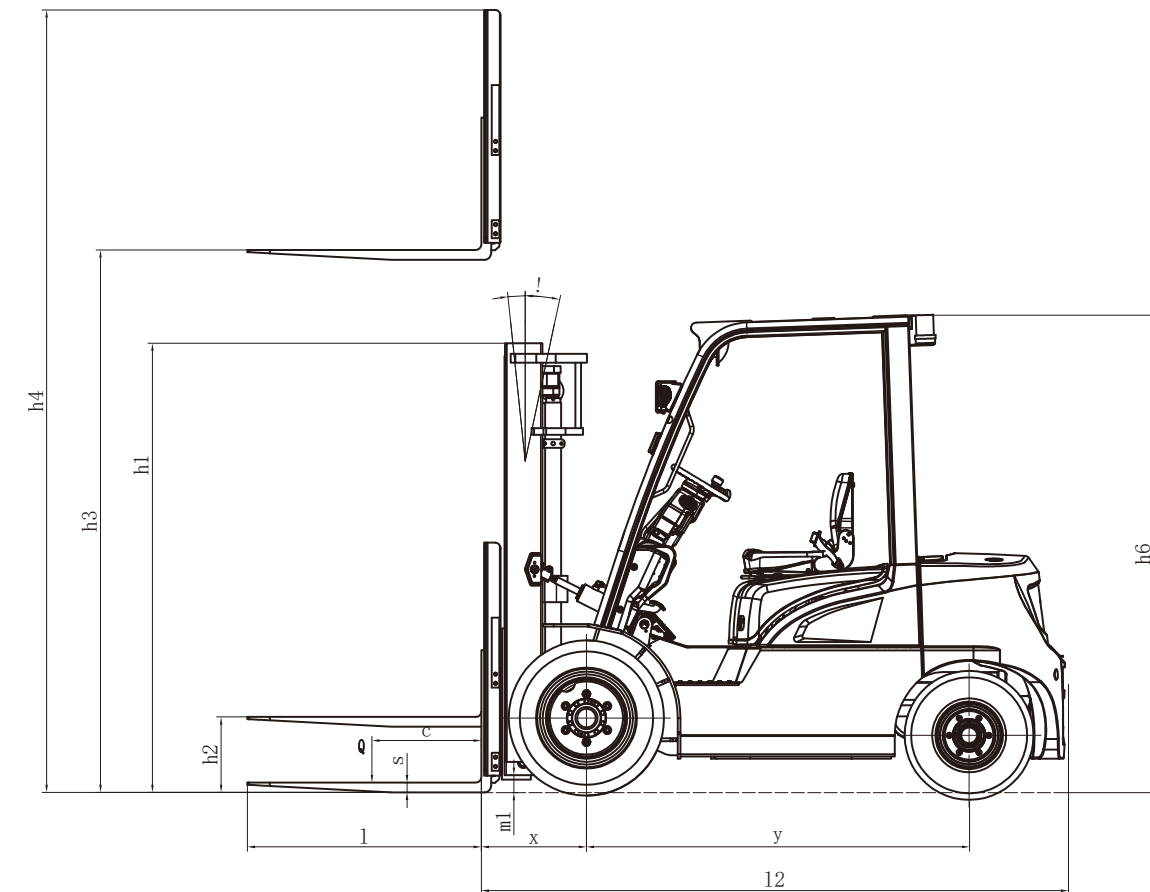
XE Series Electric Forklift Truck With Lithium Power (1.5-mini2.0)t Mast Specification

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			
Duplex wide view mast	A2A15M200	A2A18M200	2000	0	/	0	/	0	/	0	/	0	/	0	kg	kg	kg	kg	kg	kg	
	A2A15M250	A2A18M250	2500	1745	/	3048	/	3455	/	155	/	155	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15M270	A2A18M270	2700	1845	/	3248	/	3655	/	155	/	155	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15M300	A2A18M300	3000	1995	/	3548	/	3955	/	155	/	155	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15M330	A2A18M330	3300	2145	/	3848	/	4255	/	155	/	155	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15M360	A2A18M360	3600	2345	/	4148	/	4555	/	155	/	155	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15M400	A2A18M400	4000	2595	/	4548	/	4955	/	155	/	155	/	6/6	1500	1800	2000	1500	1800	2000	
	A2A15M430	A2A18M430	4300	2745	/	4848	/	5255	/	155	/	155	/	6/6	1500	1700	1850	1500	1750	2000	
	A2A15M450	A2A18M450	4500	2845	/	5048	/	5455	/	155	/	155	/	6/6	1500	1650	1850	1500	1700	1900	
	A2A15M480	A2A18M480	4800	2995	/	5348	/	5755	/	155	/	155	/	6/6	1400	1600	1750	1500	1650	1850	
	A2A15M500	A2A18M500	5000	3095	/	5548	/	5955	/	155	/	155	/	6/6	1350	1550	1650	1400	1600	1750	
	A2A15M550	A2A18M550	5500	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
A2A15M600	A2A18M600	6000	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
Duplex full-free mast	A2A15U250	A2A18U250	2500	1760	/	3074	/	3445	/	1186	/	815	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15U270	A2A18U270	2700	1860	/	3274	/	3645	/	1286	/	915	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15U300	A2A18U300	3000	2010	/	3574	/	3945	/	1436	/	1065	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15U330	A2A18U330	3300	2160	/	3874	/	4245	/	1586	/	1215	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15U360	A2A18U360	3600	2310	/	4174	/	4545	/	1736	/	1365	/	6/12	1500	1800	2000	1500	1800	2000	
	A2A15U400	A2A18U400	4000	2560	/	4574	/	4945	/	1986	/	1615	/	6/12	1500	1800	2000	1500	1800	2000	
Triplex full-free mast	A2A15N400	A2A18N400	4000	1960	/	4694	/	4955	/	1386	/	1015	/	6/6	1500	1800	2000	1500	1800	2000	
	A2A15N430	A2A18N430	4300	2060	/	4994	/	5255	/	1486	/	1115	/	6/6	1500	1650	1850	1500	1800	1950	
	A2A15N450	A2A18N450	4500	2110	/	5194	/	5455	/	1536	/	1165	/	6/6	1500	1650	1800	1500	1750	1900	
	A2A15N470	A2A18N470	4700	/	/	/	/	/	/	/	/	/	/	/	1400	1600	1750	1500	1650	1850	
	A2A15N480	A2A18N480	4800	2260	/	5494	/	5755	/	1686	/	1315	/	6/6	1400	1600	1750	1500	1650	1850	
	A2A15N500	A2A18N500	5000	2360	/	5694	/	5955	/	1786	/	1415	/	6/6	1400	1550	1700	1450	1600	1800	
	A2A15N550	A2A18N550	5500	2560	/	6194	/	6455	/	1986	/	1615	/	3/6	1250	1500	1650	1350	1550	1750	
	A2A15N600	A2A18N600	6000	2810	/	6694	/	6955	/	2200	/	1865	/	3/6	1100	1300	1450	1200	1400	1500	
	A2A15N650	A2A18N650	6500	3010	/	7194	/	7455	/	2400	/	2065	/	3/6	900	1150	1250	1000	1200	1300	
	A2A15N700	A2A18N700	7000	3260	/	7770	/	7955	/	2500	/	2315	/	3/6	600	1000	1000	700	1000	1100	

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

XE Series Electric Forklift Truck With Lithium Power (3-3.8)t 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		
	mm	3t	3.5/3.8t	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	3t	3.5t	3.8t	3t	3.5t	3.8t		
Duplex wide view mast	A2A30M200	A2A35M200	2000	1554	1669	2767	2842	3145	3145	165	170	165	170	6/6	3000	3500	3800	3000	3500	3800	
	A2A30M250	A2A35M250	2500	1804	1919	3267	3342	3645	3645	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M270	A2A35M270	2700	1904	2019	3467	3542	3845	3845	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M300	A2A35M300	3000	2054	2169	3767	3842	4145	4145	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M330	A2A35M330	3300	2204	2319	4067	4142	4445	4445	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M360	A2A35M360	3600	2404	2469	4367	4442	4745	4745	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M400	A2A35M400	4000	2654	2769	4767	4842	5145	5145	165	170	165	170	6/12	3000	3500	3800	3000	3500	3800	
	A2A30M430	A2A35M430	4300	2804	2919	5067	5142	5445	5445	165	170	165	170	6/6	3000	3400	3700	3000	3500	3800	
	A2A30M450	A2A35M450	4500	2904	3019	5267	5342	5645	5645	165	170	165	170	6/6	3000	3300	3600	3000	3400	3700	
	A2A30M480	A2A35M480	4800	3054	3169	5567	5642	5945	5945	165	170	165	170	6/6	2950	3200	3500	3000	3300	3600	
	A2A30M500	A2A35M500	5000	3154	3269	5767	5842	6145	6145	165	170	165	170	6/6	2850	3100	3400	2900	3200	3500	
	A2A30M550	A2A35M550	5500	3404	3519	6267	6342	6645	6645	165	170	165	170	3/6	2670	3000	3300	2750	3100	3400	
A2A30M600	A2A35M600	6000	3654	3769	6767	6842	7145	7145	165	170	165	170	3/6	2350	2650	2950	2500	2800	3100		
Duplex full-free mast	A2A30U250	A2A35U250	2500	1834	1934	3316	3391	3645	3645	1018	1043	689	789	6/12	3000	3500	3800	3000	3500	3800	
	A2A30U270	A2A35U270	2700	1934	2034	3516	3591	3845	3845	1118	1143	789	889	6/12	3000	3500	3800	3000	3500	3800	
	A2A30U300	A2A35U300	3000	2084	2184	3816	3891	4145	4145	1268	1293	939	1039	6/12	3000	3500	3800	3000	3500	3800	
	A2A30U330	A2A35U330	3300	2234	2334	4116	4191	4445	4445	1418	1443	1089	1189	6/12	3000	3500	3800	3000	3500	3800	
	A2A30U360	A2A35U360	3600	2384	2484	4416	4491	4745	4745	1568	1593	1239	1339	6/12	3000	3500	3800	3000	3500	3800	
	A2A30U400	A2A35U400	4000	2634	2734	4816	4891	5145	5145	1818	1843	1489	1589	6/12	3000	3500	3800	3000	3500	3800	
Triplex full-free mast	A2A30N400	A2A35N400	4000	2019	2119	4816	4891	5145	5145	1203	1228	874	974	6/6	3000	3400	3700	3000	3500	3800	
	A2A30N430	A2A35N430	4300	2119	2219	5116	5191	5445	5445	1303	1328	974	1074	6/6	3000	3300	3600	3000	3400	3700	
	A2A30N450	A2A35N450	4500	2169	2319	5316	5391	5645	5645	1353	1428	1024	1174	6/6	3000	3200	3500	3000	3300	3600	
	A2A30N470	A2A35N470	4700	2269	2419	5516	5591	5845	5845	1453	1528	1124	1274	6/6	2900	3100	3400	2950	3200	3500	
	A2A30N480	A2A35N480	4800	2319	2469	5616	5691	5945	5945	1503	1578	1174	1324	6/6	2900	3100	3400	2950	3200	3500	
	A2A30N500	A2A35N500	5000	2419	2619	5816	5891	6145	6145	1603	1728	1274	1474	6/6	2850	3100	3350	2900	3200	3450	
	A2A30N550	A2A35N550	5500	2619	2869	6316	6391	6645	6645	1803	1978	1474	1724	3/6	2670	3000	3250	2750	3100	3350	
	A2A30N600	A2A35N600	6000	2869	3119	6816	6919	7145	7145	2053	2200	1724	1974	3/6	2350	2650	2900	2500	2800	3050	
	A2A30N650	A2A35N650	6500	3119	3369	7316	7391	7645	7645	2303	2478	1974	2224	3/6	/	/	/	2200	2400	2650	
	A2A30N700	A2A35N700	7000	3369	3619	7816	7919	8145	8145	2553	2700	2274	2474	3/6	/	/	/	1850	2050	2250	



$$AST = a + Wa + x + B \quad a: \text{Clearance (200mm)}$$

