XCB25/30/35

Electric Counterbalanced Forklift

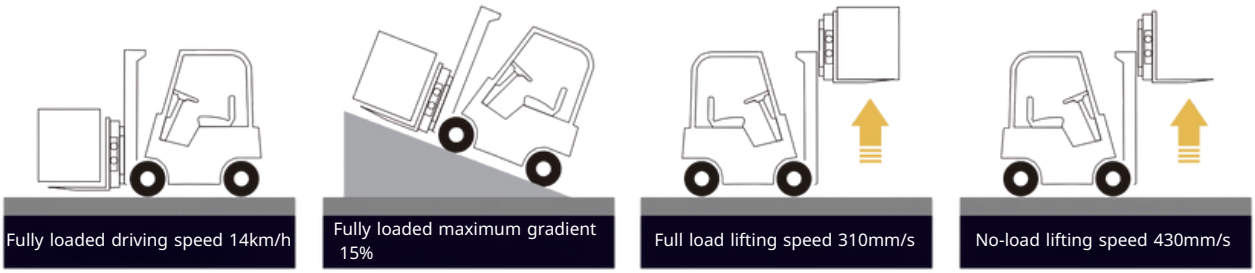
*Design, aesthetics & features may vary from actual

The XCMG electric counterbalance forklifts are built upon XCMG's proprietary core technologies and components, embodying the gold standard of 'technological leadership and durability,' creating a competitively strong mid-to-high-end product.

Suitable, practical, comfortable, and convenient.

· High efficiency

The single-drive S model has relatively high overall performance.



Note: The displayed data is for the XCB30-L6-S model, for other data refer to the technical specification table.

· Unlimited endurance

The S-type battery can be quickly removed from below using a forklift, facilitating multi-shift production operations and situations in the factory where charging is not allowed.

· CONVENIENT MAINTENANCE

The base pad and counterweight cover are easy to disassemble, and the main maintenance components are located in obvious positions at the front and rear.

· HIGHLY APPLICABLE

PES three-speed mode switching can meet the needs of customers requiring different speeds and different accelerations.

P	Powerful
E	Economy
S	Safety

· Human ergonomics

The wide-view frame features a spacious and transparent design with minimal blind spots during operation; it includes a USB interface and a cup holder with a phone holder, making it practical and thoughtful; it offers ample legroom and sufficient head space, ensuring effortless and comfortable driving experience.

Stable, reliable, durable and long-lasting

· Important components have been tested in the market for a long time

The drive axles, steering axles, and gantry systems has a large inventory, and they are reliable and durable.

· Strict testing and verification of lithium batteries

Protection level ⩾ IP67, good protection; using active balancing BMS technology can effectively reduce battery voltage differences, improve battery consistency, and greatly extend battery lifespan.

Low temperature test

Rain test

Vibration Testing

Electrical performance test

· The overall vehicle has strong environmental adaptability.

The entire machine has undergone rigorous testing to meet the different usage requirements of customers.

Rain test IPX4

Water wading test

Hill Climb Test

Thermal balance test

Basic wide-view frame: 2.5t, 3t, 3.5t

Frame Model	Maximum lifting Height(mm)	Mast height(fork on the ground, mast vertical)(mm)			Free lifting height (with shelf backing) (mm)			Mast inclination angle α/β(°)
		2.5t	3t	3.5t	2.5t	3t	3.5t	2.5 - 3.5t
M200	2000	1500	1570	1620	150	155	160	6/12
M250	2500	1750	1820	1870	150	155	160	6/12
M300	3000	2000	2070	2120	150	155	160	6/12
M330	3300	2150	2220	2270	150	155	160	6/12
M350	3500	2250	2320	2370	150	155	160	6/12
M370	3700	2350	2420	2470	150	155	160	6/6
M400	4000	2550	2620	2670	150	155	160	6/6
M425	4250	2675	2745	2795	150	155	160	6/6
M450	4500	2800	2870	2920	150	155	160	6/6
M500	5000	3050	3120	3170	150	155	160	6/6
M550	5500	3350	3420	3470	150	155	160	3/6
M600	6000	3600	3670	3720	150	155	160	3/6

Wide field of view two-stage full-free gantry: 2.5t, 3t, 3.5t

Frame Model	Maximum lifting Height(mm)	Mast height (fork on the ground,mast vertical)(mm)			Free lifting height (with shelf backing) (mm)			Mast inclination angle α/β(°)
		2.5t	3t	3.5t	2.5t	3t	3.5t	2.5 - 3.5t
F200	2000	1500	1570	1620	496	388	443	6/12
F250	2500	1750	1820	1870	746	638	693	6/12
F300	3000	2000	2070	2120	996	888	943	6/12
F330	3300	2150	2220	2270	1146	1038	1093	6/12
F350	3500	2250	2320	2370	1246	1138	1193	6/12
F370	3700	2350	2420	2470	1346	1238	1293	6/6
F400	4000	2550	2620	2670	1546	1438	1493	6/6

2.5t : When there is no backrest, the free lifting height increases by 376mm

3.0t : Without backrest, free lifting height increases by 485mm

3.5t : Without backrest, free lifting height increases by 435mm

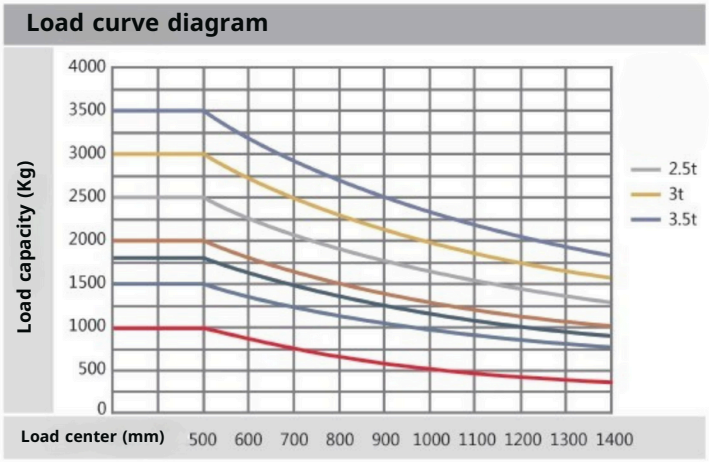
Wide Field Level 3 Fully Free Gate Frame: 2.5t, 3t, 3.5t

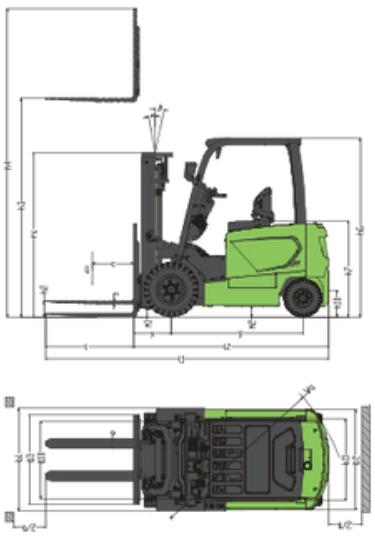
Frame Model	Maximum lifting Height(mm)	Mast height(fork on the ground, mast vertical) (mm)			Free lifting height (with shelf backing) (mm)			Mast inclination angle α/β(°)
		2.5t	3t	3.5t	2.5t	3t	3.5t	2.5-3.5t
T360	3600	1800	1870	1870	796	688	693	6/6
T400	4000	1950	2020	2020	946	838	843	6/6
T435	4350	2050	2120	2120	1046	938	943	6/6
T450	4500	2100	2170	2170	1096	988	993	6/6
T470	4700	2160	2230	2230	1160	1048	1053	6/6
T480	4800	2210	2270	2270	1206	1088	1093	6/6
T500	5000	2300	2370	2370	1296	1188	1193	6/6
T540	5400	2400	2470	2470	1396	1288	1293	3/6
T600	6000	2600	2670	2670	1596	1488	1493	3/6
T650	6500	2800	2870	2870	1796	1688	1693	3/3
T700	7000	2975	3045	3045	1971	1863	1868	3/3
T750	7500	3150	3370	3370	2146	2188	2193	3/3

2.5t : When the shelf is not installed, the free lifting height increases by 356mm.

3.0t - 3.5t : When the shelf is not installed, the free lifting height increases by 435mm.

Load curve diagram





Technical Parameters						
Characteristic	1.1	Manufacturer		XCMG		
	1.2	Model	UNIT	XCB25	XCB30	XCB35
	1.2a	Configuration number	–	L6-S		
	1.3	Power type	–	Lithium ion battery		
	1.4	How it works	–	Seated		
	1.5	Rated lifting capacity	Q(kg)	2500	3000	3500
	1.6	Load center distance	c(mm)	500	500	500
	1.8	Front overhang	x(mm)	460	477	482
	1.9	Wheel base	y(mm)	1606	1750	1780
Weight	2.1	Weight (including battery)	(kg)	3920	4500	5000
	2.2	Bridge load full, front/rear	(kg)	5760/660	6695/805	7665/835
	2.3	Bridge load no load, front/rear	(kg)	1770/2150	2020/2480	2235/2765
Wheel	3.1	Tire type, front/rear	–	Pneumatic	Pneumatic /solid	
	3.2	Tire size, front	–	7.00-12-14PR	28×9-15-14PR	28×9-15-14PR
	3.3	Tire size, rear	–	18×7-8-14PR	18×7-8	200/50-10
	3.5	Number of wheels, front/rear(x = driving wheels)	–	2x/2		
	3.6	Track width, front	b10(mm)	970	1006	1006
	3.7	Track width, rear	b11(mm)	970	986	970
Size	4.1	Mast inclination, front/rear	a/b(°)	6/12	6/12	6/12
	4.2	Mast retracted height	h1(mm)	2000	2070	2120
	4.3	Free lifting height	h2(mm)	150	155	160
	4.4	Lifting height	h3(mm)	3000		
	4.5	Maximum operating height (with shelf backing)	h4(mm)	4100	4217	4217
	4.7	Height of overhead guardrail	h6(mm)	2170	2180	2180
	4.8	Seat SIP point height, to ground	h7(mm)	1194	1204	1204
	4.12	Height of traction pin	h10(mm)	328	332	332
	4.19	Total length (including fork)	l1(mm)	3455	3615	3650
	4.20	Total length (without fork)	l2(mm)	2385	2545	2580
	4.21	Overall width	b1(mm)	1250	1250	1250
	4.22	Fork size (thickness/width/length)	s/e/l(mm)	40/120/1070	45/122/1070	50/122/1070
	4.23	Fork carriage, ISO2328	–	2A	3A	3A
	4.24	Fork carriage width	b3(mm)	1040	1148	1148
	4.31	Ground clearance at mast, fully loaded	m1(mm)	110	130	
	4.32	Ground clearance at center of wheelbase, fully loaded	m2(mm)	130	135	135
	4.33	Right angle stacking channel width, pallet 1000×1200 across fork placement	Ast(mm)	3730	3897	3932
	4.34	Right angle stacking channel width, pallet 800×1200 placed along the fork	Ast(mm)	3930	4097	4132
	4.35	Outside turning radius	Wa	2070	2220	2250
Performance	5.1	Travel speed, fully loaded/unloaded	(km/h)	14/14		
	5.2	Lifting speed, full load/no load	(m/s)	0.29/0.43	0.31/0.43	0.29/0.43
	5.3	Lowering speed, full load/empty load	(m/s)	0.45/0.5	0.47/0.5	0.47/0.5
	5.6	Maximum traction, fully loaded	(N)	12000	14000	16000
	5.8	Maximum climbing ability, full load/empty load	(%)	15/20		
	5.9	Acceleration time (10 meters), full load/no load	(s)	6.2/5.8		
	5.10	Service brake/parking brake	–	Hydraulic/Mechanical		
Drive	6.1	Traction motor power, S2-60min working system	(kW)	10	12	12
	6.2	Lifting motor power, S3-15% duty	(kW)	11.5	16	16
	6.4	Battery capacity	(V/Ah)	80/206?	80/206?	80/280?
	6.5	Battery weight (±5%)	(kg)	260?	330?	330?
Others	8.1	Controller Type	–	MOS tube/AC		
	8.2	Working pressure of attachments	(MPa)	17.5	17.5	17.5

Charger		On-board Charger		External charger	
Charger Model		80V35A	80V60A	80V100A	80V200A
Applicable battery type		80V lithium ion battery	80V lithium ion battery	48V/80V lithium ion battery	48V/80V lithium ion battery
Wiring method		Single phase (L, N, PE)	Three-phase four-wire system (L1, L2, L3, PE)	Three-phase four-wire system (L1, L2, L3, PE)	Three-phase four-wire system (L1, L2, L3, PE)
Charger Power	KW	⩽2.95	⩽6.6	⩽8.7	⩽17.5
Model of upper power circuit breaker	A	16	16	32	63
Input voltage range	Vac	200-240	380±15%	380±15%	380±15%
Input Current	A	＜16A	＜15A	＜25A	＜50A
Output Current	A	⩽35A	＜70A	100A	200A
Protection level		(Indoor use)	(Indoor use)	(Indoor use)	(Indoor use)
Operating temperature	℃	— 20—+65	— 20—+45	— 20—+45	— 20—+45
Power plug-in		16A national standard three-pin plug	25A national standard four-pin plug	National standard charging gun	National standard charging gun
Charger		Theoretical time for fully charging the battery = lithium battery capacity * 0.9 / charging current + 10 minutes (trickle equalization charging time) Example: Lithium battery capacity 80V/150AH, select 35A charger, charging current is 35A, then the full charge time is 150AH*0.9/35A+10 minutes = 4 hours and 1 minute			

S-type lithium battery						
Voltage/Capacity	80V150AH	80V175AH	80V206AH	80V230AH	80V280AH	80V350AH
2.5t	○	○	●	○	○	○
3.0t-3.5t	—	—	○	○	●	○

Note: ● is standard, ○ is optional

The S-type lithium battery, with the standard 80V150AH model, comes with an 80V35A onboard charger, while the 80V206AH-280AH standard model comes with an 80V60A onboard charger.You can also choose to add an external 100A or 200A charger.

The 2-3.5t model can only be equipped with the following standard battery for light-duty conditions. For a wider range of battery capacities, please consult the manufacturer.

Basic function options	
Pneumatic tire(1)	☆
Front wide tire	☆
Front wheel dual tire	☆
Environmentally friendly solid tire	☆
Ordinary solid tire	★
M450 Mast	★
Other door frames (2)	☆
Standard Forks(3)	★
Non-standard forks	☆
Forklift attachments	☆
Charger(4)	★

Hydraulic function options	
Two-way valve	★
Triple multi-way valve	☆
Four-way valve	☆
Metric Thread Hydraulic System	★

Comfort function options	
Buffer function at the end of mast descent	★
Buffer function at the end of mast lifting	☆
Electric fan	☆
Rear armrest (including horn button)	☆
Steering wheel triggered steering function	☆
Synchronous steering function	☆
Automatic deceleration when turning	☆

Cab and windshield options	
Patch cab (including fan + wiper)	☆
Patch cab + refrigeration air conditioning	☆
Patch cab + heater	☆
Patch cab + refrigeration air conditioning + heater	☆
Front windshield (with wiper)	☆
Rear windshield	☆
Top windshield	☆

Security feature options	
OPS function (excluding decreased OPS)	★
Full set of OPS functions (including descending OPS)	☆
Multi-way valve with overload protection function	☆
Wrap-around seat (including seat switch)	★
Wrap-around seat (including seat switch + seat belt lock)	☆
Shock-absorbing seat (including seat switch)	☆
Shock-absorbing seat (including seat switch + seat belt lock)	☆
LED flashing warning light	☆
LED rotating warning light	☆
LED rotating buzzer warning light	☆
Blue spotlight/Red spotlight	☆
Blue strip marker lights/red strip marker lights	☆
Reversing radar	☆
Reversing image (including radar)	☆
Reversing voice warning horn	☆
Central rearview mirror	★
Left and right rearview mirror	☆
Left and right rearview mirrors + central rearview mirror	☆
1kg fire extinguisher (dry powder)	☆
2kg fire extinguisher (dry powder/carbon dioxide)	☆
3kg/4kg fire extinguisher (dry powder/carbon dioxide)	☆
Overspeed alarm (8km/h or 10km/h)	☆

Other options	
Unusable key	★
Universal key	☆
USB interface	★
Overhead guard (heightened 70mm)	☆
Overhead guard (including front protective net)	☆
XCMG Internet of Vehicles (5)	☆
Tilt cylinder boot	☆
Steering cylinder jacket	☆

Note: ★ indicates standard configuration, ☆ indicates optional configuration

(1) For 2.5 ton vehicles, both front and rear tires are inflatable; for 3-3.5 ton vehicles, the front tires are inflatable, and the rear tires are solid.

(2) For other gantry information, please refer to the gantry information table.

(3) For standard fork specification information, please refer to the technical parameters table.

(4) For charger specifications and model information, please refer to the charger information sheet.

SOLID TO SUCCEED

XCMG

ADDRESS:
Xuzhou Construction Machinery Manufacturing,
ROMA BUILDING, 4 th floor, Vembuli Subedar St,
Ramapuram, Alandur, Chennai, Tamil Nadu
PIN CODE: 600016
CONTACT: +91 98406 50299 / 91686 93113