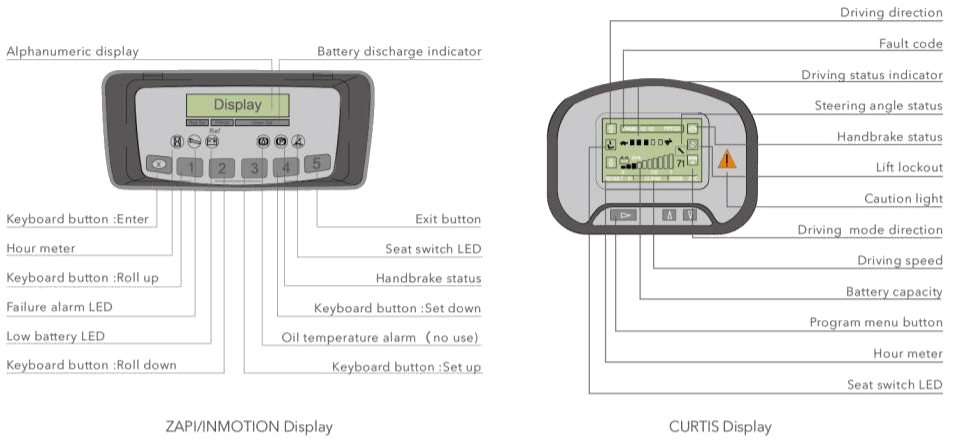


Reliable special designed instrument



Standard configuration	Optional	
Wide view standard mast	String rod	Wide carriage
Standard fork	Driver's cab	Lengthening fork
Class III carriage	Lifting hock	Load pusher
Backrest	Cargo boom	Lengthening fork extension
Control valve	Tip-over fork	Rotating flat clamp
Battery	Side shifter	Dual-tyre with protection device
Standard seat	Paper roll clamp	Auxiliary hydraulic valve component
Overhead guard	Warning light (rotating or buzzing)	Tilting/steering cylinder sleeve
LCD combined instrument	solid tyre	Non marking tyre
Horn alert function on rear handle	Rear working light	wide view two/three stage full free mast
Traction pin	Steel protection net	Customer made color
Driver's tool	Multipurpose drum clamp	Sensor operated power steering
Flashing light	Load stabilizer	Turn automatic deceleration function



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* Our products are subject to improvements and changes without notice.

3-3.5 t
G series
AC Electric Forklift Truck



G SERIES 3-3.5t

Improved driver's view

- > Standard configuration of wide view mast, compact structure of mast and tube pulley block.
- > Large arc roof frame, increasing the driving space.

Improved operating comfort

- > Foot operation comfort is increased through optimized brake pedal height and accelerating pedal height for comfort shifting.
- > Super low torque steering unit makes steering light and easy.
- > Rear handle with horn button ensures safe and comfortable operation while reverse driving.
- > Mast and rear axle buffering improve driving comfort largely.
- > Ratchet hand brake has different brake force on slope and ground, reducing driver's fatigue.



Optimized maintainability and safety

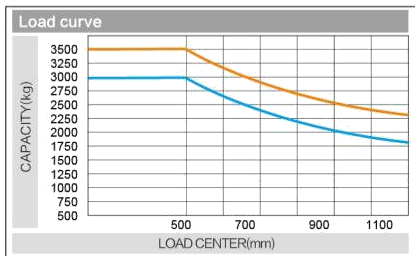
- > Special side plate and top cover structure is easy for assembly and disassembly.
- > Highly-mounted rear axle increasing transversal stability by 2.1%.
- > Three driving modes offer optional choices to different working condition.
- > Automatic deceleration when steering is optional so as to ensure the operation safety.

High efficiency and energy-saving

- > The use of electric truck dedicated tire with pattern saves more than 10% of the energy during travelling.
- > LED lamps save 80% of the energy.
- > The professional matching design of the components prolongs the battery working time about 10%.
- > Battery side lift and customized battery side pulling make battery changing easier.



Character			HELI								
1.01	Manufacturer			CPD30	CPD30	CPD30	CPD30	CPD35	CPD35	CPD35	CPD35
1.02	Model			GC1P/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P	GC1/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P
1.03	Configuration number										
1.04	Rated capacity	Q	kg	3000	3000	3000	3000	3500	3500	3500	3500
1.05	Load center distance	c	mm	500	500	500	500	500	500	500	500
1.06	Power mode			Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery
1.07	Driving mode			Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.08	Wheel base	L1	mm	1685	1685	1685	1685	1685	1685	1685	1685
Tyre											
2.01	Tyre type			Pneumatic	Pneumatic	Pneumatic	Pneumatic	SE	SE	SE	SE
2.02	Wheel number(front/rear)			2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
2.03	Front wheel base	W3	mm	1000	1000	1000	1000	1000	1000	1000	1000
2.04	Rear wheel base	W2	mm	950	950	950	950	950	950	950	950
2.05	Tyre (front)			28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15	28X9-15	28X9-15	28X9-15
2.06	Tyre(rear)			18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18X7-8	18X7-8	18X7-8	18X7-8
18×7-8-Size											
3.01	Front overhang	L2	mm	485	485	485	485	490	490	490	490
3.02	Mast tilt angle , front/rear	α / β	°	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10
3.03	Height with mast retraction	H1	mm	2075	2075	2075	2075	2180	2180	2180	2180
3.04	Free lifting height	H3	mm	145	145	145	145	150	150	150	150
3.05	Max. Lifting height	H	mm	3000	3000	3000	3000	3000	3000	3000	3000
3.06	Max. Height under working condition	H2	mm	4230	4230	4230	4230	4230	4230	4230	4230
3.07	Overhead guard height	H4	mm	2215	2215	2215	2215	2215	2215	2215	2215
3.08	Fork size:thickness×width×length	T×W×	mm	45×125×1070	45×125×1070	45×125×1070	45×125×1070	50×125×1070	50×125×1070	50×125×1070	50×125×1070
3.09	Lateral fork adjustment (outside of forks) max./min.	L4	mm	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250
3.10	Fork arm carrier, din standard	W5		3A	3A	3A	3A	3A	3A	3A	3A
3.11	Truck body length (fork excluded)		mm	2490	2490	2490	2490	2560	2560	2560	2560
3.12	Truck body width	L'	mm	1241	1241	1241	1241	1241	1241	1241	1241
3.13	Turning radius	W1	mm	2210	2210	2210	2210	2270	2270	2270	2270
3.14	Clearance between mast and ground	r	mm	135	135	135	135	135	135	135	135
3.15	Clearance between wheel base center and ground(loaded)	H5	mm	145	145	145	145	145	145	145	145
3.16	Right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	H6	mm	3895	3895	3895	3895	3960	3960	3960	3960
3.17	Right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast	mm	4095	4095	4095	4095	4160	4160	4160	4160
Performance											
4.01	Travelling speed: loaded/unloaded		km/h	15/15.5	15/15.5	15/15.5	15/15.5	14.5/15	14.5/15	14.5/15	14.5/15
4.02	Lifting speed: loaded/unloaded		m/s	0.28/0.46	0.34/0.46	0.28/0.46	0.34/0.46	0.27/0.44	0.325/0.46	0.27/0.44	0.325/0.46
4.03	Lowering speed: loaded/unloaded		m/s	0.48	0.48	0.48	0.48	0.42	0.42	0.42	0.42
4.04	Gradeability (loaded)		%	17/17/15	17/17/17	17/17/15	17/17/17	15/15/12	15/15/15	15/15/12	15/15/15
4.05	Max. Traction force (loaded)		N	15600	15600	15600	15600	15600	15600	15600	15600
4.06	Acceleration time (10m) loaded/unloaded		s	5.75/5.2							



AsT: Right angle stacking aisle width
a: Clearance
b: Load Length

The diagram illustrates the required aisle width for a right-angle stacking operation. A truck is shown with a container being lifted. The dimensions are defined as follows:

- W1, W3, W5, W4:** Vertical dimensions on the left side of the truck.
- W2:** Vertical dimension on the right side of the truck.
- a:** Clearance distance from the truck to the wall on both sides.
- b:** Load length (the length of the container).
- L2:** The distance from the front of the truck to the front of the container.
- r:** The radius of the truck's turning path.
- AsT:** The total required aisle width, calculated as $AsT = r + L2 + b + a$.

3.0t 3.5t

Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

Mast model	Max. lifting height (mm)	Load capacity (load center 500mm)(kg)		Mast overall height(mm)		Free lifting height (with backrest)(mm)		Service weight(kg)		Mast tilt angle (°) α/β
		3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	
ZM200	2000	3000	3500	1570	1680	388	503	4756	5466	6/10
ZM250	2500	3000	3500	1820	1930	638	753	4800	5510	6/10
ZM300	3000	3000	3500	2070	2180	888	1003	4846	5555	6/10
ZM330	3300	3000	3500	2220	2330	1038	1153	4873	5582	6/10
ZM350	3500	3000	3500	2320	2430	1138	1253	4891	5600	6/10
ZM370	3700	3000	3400	2420	2530	1238	1353	4909	5618	6/6 6/10
ZM400	4000	2950	3350	2620	2730	1438	1553	4981	5692	6/6 6/10
ZM425	4250	2850	3250	2745	2855	1563	1678	5003	5714	6/6 6/10
ZM450	4500	2750	3100	2870	2980	1688	1803	5026	5737	6/6 6/10
ZM500	5000	2400 *2900	2650 *3050	3120	3230	1938	2053	5071	5782	6/6 6/10
ZM550	5500	2250 *2700	2500 *2850	3420	3530	2238	2353	5161	5874	3/6 3/6
ZM600	6000	1800 *2300	1850 *2500	3670	3780	2488	2603	5208	5920	3/6 3/6

NOTE: (1)* refers to rated capacity with double tires.
(2)3-3.5T: free lifted height 365mm increased without backrest.

Main model	Max. lifting height mm	Load capacity (load center 500mm)(kg)		Max overall height (mm)	Free lifting height (with backrest)(mm)		Service weight (kg)		Mast tilt angle (°) a/β
		3t	3.5t		3~3.5t	3t	3.5t	3t	
ZSM360	3600	3000	3400	1930	748	753	5065	5725	6/6
ZSM400	4000	2900	3250	2055	873	878	5100	5760	6/6
ZSM435	4350	2750	3150	2180	998	1003	5135	5795	6/6
ZSM450	4500	2700	3000	2230	1048	1053	5151	5811	6/6
ZSM470	4700	2700	2900	2230	1048	1053	5155	5815	6/6
ZSM480	4800	2600	2800	2330	1148	1153	5180	5840	6/6
ZSM500	5000	2400 *2850	2650	2430	1248	1253	5209	5869	6/6 *6/6
ZSM540	5400	2250 *2650	2500	2555	1373	1378	5244	5904	3/6 *3/6
ZSM600	6000	1550 *2500	1600 *2700	2780	1598	1603	5343	6003	3/6 *3/6
ZSM650	6500	1250 *2200	1300 *2500	2970	1788	1793	5396	6056	3/3 *3/3
ZSM700	7000	850 *2100	1000 *2300	3240	2058	2063	5480	6140	3/3 *3/3

NOTE: (1)* refers to rated capacity with double tires.
(2)3-3.5T: free lifted height 397mm increased without backrest.



With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

15%