



Standard configuration	Optional device	Attachments
Wide view standard mast	3-stage full free mast	Side shifter
Class III standard carriage	2-stage full free mast	Side shifting fork positioner
Load backrest	Wide carriage	Cargo boom
Control valve	Long forks	Lifting hook
Battery	Fork extension sleeve	Paper roll clamp
Standard seat	Solid tires	Bale clamp
Overhead guard	Widen tires	Multifunction clamp
Overhead guard rain cover	Warning light	Load stabilizer
Pneumatic tires	Rear working light	Push pulls
Traction pin	Tilt/dumping cylinder boost	Drum clamp
Driver's tool	Cab	Rotator
LCD combination instrument	Suspension seat	Carton clamp
Head light	Customer color	
LED signal light	Coloring tires (white/green)	
Rear handle with horn	Automatic steering slow down device	

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**1-2.5 ton G SERIES
 AC ELECTRIC FORKLIIFT TRUCK**

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HELI
 LIFTING THE FUTURE

23 YEARS TOP FORKLETT MANUFACTURER AND SALES IN CHINA FOR CONSECUTIVE 23 YEARS

G SERIES AC ELECTRIC FORKLIIFT TRUCK 1-2.5 ton



Excellent Visibility

- Compact structure of mast and driver's view 6% improved.
- Steering hand/wheel with 300mm diameter and right installation of meter effectively increase the front view.
- Large arc shape of the overhead guard and grid tray with proper angle increase operator's upward view.

Better Stability & More Safety

- New type drive axle and small front overhang design. Longitudinal Stability of the forklift increases by 4.9%.
- High installation of rear axle increasing transversal stability 2.1%.
- The space above driver's head is 50mm increased through increasing overhead guard's height and decreasing the seat's height.
- The space around the driver's foot and operating safety are increased through moving the tilting cylinder to be under the floor board.
- Multi speed selection function satisfies different working conditions and environment.
- Standard configuration of warning light and brake automatic warning function improve whole truck's safety.
- Battery side-pull function satisfies different customers' needs (optional).
- Automatic decelerating while steering improves safety (optional).
- Special side plate and top cover structure is easy for assembly and disassembly.

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High Performance & Energy Saving

- Lifting performance increases by 21%.
- Climbing and driving performance increase by 20% and 7%.
- The maximum turning radius is 2020mm, good performance of driving.
- The minimum turning radius is 1800mm(1-1.8t), 2000mm(2t) and 2020mm(2.5t), good performance of driving.
- Traveling saves more than 10% energy.
- LED signal light saves more than 80% energy.
- Battery cruising ability prolongs about 30 minutes.

Comfortable Operating & Lower Noise

- Comfortable operating is achieved through moving the steering unit up and 190mm increased operating space around driver's foot.
- Rear handle with horn function contributes to stable sitting pose when travelling backward and driving comfort and safety.
- Mast buffer, rear axle buffer and rear extension type valve operation knob increase operating comfort effectively.
- Ratchet type hand brake facilitates comfort driving.
- Big getting on and off handle fits different figure size.
- Ear noise reduces 1 db.



G SERIES AC ELECTRIC FORKLIFT TRUCK 1-2.5 ton



Manufacturer's Data and Design Characteristics

character		HEU											
model		CPD10	CPD15	CPD18	CPD10	CPD15	CPD20	CPD25	CPD20	CPD25	CPD20	CPD25	
configuration number		GC1/GC2	GC1/GC2	GC1/GC2	GD1/GD2	GD1/GD2	GD1/GD2	GC1/GC2	GD1/GD2	GD1/GD2	GD1/GD2	GD1/GD2	
rated capacity	Q kg	1500	1500	1750	2000	2000	2000	2500	2500	2500	2500	2500	
load center distance	c mm	500	500	500	500	500	500	500	500	500	500	500	
power mode		Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	
driving mode		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	
wheel base	L1 mm	1380	1380	1380	1380	1380	1550	1550	1550	1550	1550	1550	
tyre													
tyre type		Pneumatic	Pneumatic	SE/Pneumatic	Pneumatic	Pneumatic	SE/Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	
wheel numbers(front/rear)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	
front wheel base	W3 mm	910	910	910	910	910	910	960	960	960	960	960	
rear wheel base	W4 mm	920	920	920	920	920	920	950	950	950	950	950	
tyre (front)		6.00-9-10PR	6.00-9-10PR	6.00-9	6.00-9-10PR	6.00-9-10PR	6.00-9	23×9-10-16PR	23×9-10-16PR	23×9-10-16PR	23×9-10-16PR	23×9-10-16PR	
tyre(rear)		16×6-8-10PR	16×6-8-10PR	16×6-8-10PR	16×6-8-10PR	16×6-8-10PR	16×6-8-10PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	
size													
front overhang	L2 mm	390	390	390	390	390	390	434	434	434	434	434	
mast lift angle, front/rear	α/β °	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	
height with mast retraction	H1 mm	1985	1985	1985	1985	1985	1985	1995	1995	1995	1995	1995	
free lifting height	H3 mm	145	145	145	145	145	145	145	145	145	145	145	
Max. lifting height	H mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
Max. height under working condition	H mm	4030	4030	4030	4030	4030	4030	4042	4042	4042	4042	4042	
overhead guard height	H4 mm	2130	2130	2130	2130	2130	2130	2150	2150	2150	2150	2150	
fork size:thickness*width*length	L4/W/T mm	32×100×770	35×100×920	35×100×920	32×100×770	35×100×920	35×100×920	40×122×920	40×122×1070	40×122×920	40×122×1070	40×122×1070	
fork arm carrier, DIN standard		2A	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A	
truck body length (fork excluded)	L' mm	2070	2070	2070	2070	2070	2285	2295	2285	2295	2285	2295	
truck body width	W2 mm	1086	1086	1086	1086	1086	1185	1185	1185	1185	1185	1185	
turning radius	r mm	1750	1750	1750	2000	2000	2020	2020	2000	2020	2000	2020	
clearance between mast and ground	H5 mm	90	90	90	90	90	110	110	110	110	110	110	
clearance between wheel base center and ground (loaded)	H6 mm	95	95	95	95	95	115	115	115	115	115	115	
right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	Ast mm	3340	3340	3340	3340	3340	3635	3655	3635	3655	3635	3655	
right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast mm	3540	3540	3540	3540	3540	3835	3855	3835	3855	3835	3855	
performance													
travelling speed, loaded/unloaded	km/h	15/16	15/16	15/16	15/16	15/16	14.5/15	14.5/15	14.5/15	14.5/15	14.5/15	14.5/15	
lifting speed, loaded/unloaded	m/s	0.28/0.45	0.27/0.45	0.28/0.53	0.41/0.60	0.40/0.60	0.28/0.49	0.28/0.49	0.28/0.51	0.28/0.51	0.28/0.51	0.28/0.51	
lowering speed, loaded/unloaded	m/s	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40	0.49/0.41	0.49/0.41	0.49/0.41	0.49/0.41	0.49/0.41	0.49/0.41	
gradability (loaded)	%	20	19	17	20	18	20	18	20	18	20	18	
Max. traction force (loaded)	N	10000	10000	10000	10000	10000	16000	16500	16000	16500	16000	16500	
acceleration time (10m) loaded/unloaded	s	5.0/4.4	5.2/4.5	5.2/4.6	5.0/4.4	5.2/4.5	4.6/4.4	4.5/4.6	4.6/4.4	4.5/4.6	4.6/4.4	4.5/4.6	
weight													
total weight (with/without battery)	kg	2920/2240	3030/2240	3220/2430	2920/2240	3030/2240	3220/2430	4060/3060	4250/3150	4160/3060	4350/3150	4350/3150	
axle load: unladen, front/rear	kg	1508/1412	1508/1525	1493/1727	1508/1412	1508/1525	1493/1727	1860/2250	1900/2260	1860/2250	1900/2260	2000/2350	
axle load: loaded, front/rear	kg	3159/2770	4005/2525	4372/2598	3159/2770	4005/2525	4372/2598	5270/2900	5930/860	5300/860	5960/820	5960/820	
battery													
battery voltage/capacity (discharging capacity in 5 hours)	V/Ah	48/400	48/480	48/480	48/400	48/480	48/480	48/600	48/600	48/700	48/700	48/700	
battery weight	kg	660(900-1000)	790(720-1000)	790(720-1000)	660(900-1000)	790(720-1000)	790(720-1000)	1000(950-1300)	1000(950-1300)	1100(950-1300)	1100(950-1300)	1100(950-1300)	
battery, DIN standard		43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	
motor and controller													
drive motor power-60 minutes	kW	8.2	8.2	8.2	8.2	8.2	11.5	11.5	11.5	11.5	11.5	11.5	
lifting motor power-15 minutes	kW	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5	10.5	10.5	10.5	
drive motor controlling mode		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	
lifting motor controlling mode		MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/DC	
service braking/parking brake		Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	
hydraulic system working pressure	Mpa	14.5	14.5	17.5	14.5	14.5	17.5	17.5	17.5	17.5	17.5	17.5	

