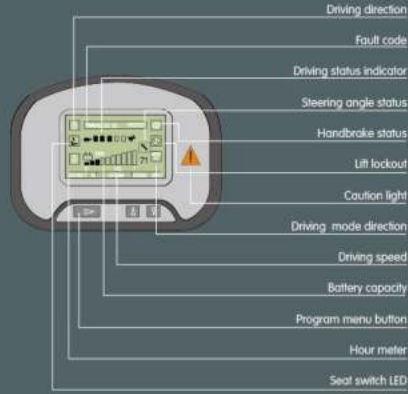




Charger technology

- > High Efficiency
Charging efficiency higher than 95%, meeting the requirements of energy saving and emissions reduction
- > Speediness
100% charging realized in 2 hours at the soonest
- > Compatibility
48 v / 80 v compatibility meeting the demand of different voltage levels
- > Safety
Built-in mis-connecting protection offering self isolating function under fault. Perfect fault self checking alarm facilitating users maintenance.



CURTIS Display

Standard Configuration

- Wide view basic mast
- Standard fork
- II (III) stage fork carriage
- Backrest
- Control valve
- Battery
- Standard seat
- Overhead guard
- Overhead guard rain cover
- LCD dashboard
- Pneumatic tyre (1-3t)
- Solid tyre (3.5t)
- Traction pin
- Tool box
- LED lamp, strobe caution light
- Rear driving handle with horn button

Optional device

- Carpet boom
- Driver's cab
- Lifting hook
- Lifting boom
- Tip-over fork
- Back view mirror
- Side shifting
- Paper roll clamp
- Warning light (rotating or buzzing)
- Solid tyre (1-3t)
- Rear working light
- Steel protection net
- Multipurpose drum clamp
- Load stabilizer
- Widen fork carriage
- Lengthening fork
- Load pusher
- Fork sleeve
- Rotate clamp
- Double tyre protection device
- Auxiliary hydraulic valve component
- Tilting/steering cylinder cover
- Coloring tyre (white/green)
- Wide view two/three stage full free mast
- Customised colour
- Turn automatic deceleration function
- Battery lifting sling



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AUTHORIZED DEALER

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



1-3.5t

G series Lithium Battery Powered Counterbalanced Forklift Truck



G 1-3.5t

G series Lithium Battery Powered Counterbalanced Forklift Truck

G series / INTELLIGENT ENVIRONMENT-FRIENDLY



Environment Friendliness

- > Zero emission
- > Low noise
- > No heavy metal
- > No corrosion
- > No acid mist volatilization

Maintenance Free

- > Unnecessary of fluid adding and dust proofing
- > Daily maintenance free
- > Manual maintenance free

Long Service Life

- > Over 75% capacity reserved after 4000 shifts operation
- > Longer service life than lead-acid battery in equal working condition
- > 5 years quality guarantee

High Efficiency and Energy Saving

- > 2 hours charging meet 6-8 hours working demand
- > High-energy density, self discharging rate lower than 1% per month
- > 95% energy conversion rate, superior charging and discharging performance
- > Flexible to charge, easy to operate, no impact on battery life
- > Unnecessary to change battery, cost saving & operation safety

The superiority of HEU lithium battery forklift truck is embodied in the use-cost within product lifecycle. Compared with lead-acid battery forklift truck, lithium battery forklift truck is more convenient for multiple working shifts. It has lower implicit cost and more economical total running cost.



Superior Performance In Low Temperature

- > Discharging efficiency up to 88% in -20 C
- > Discharging efficiency up to 70% in -40 C
- > Long battery life in cold store

High Safety

- > "Multiple node safety closed circuit protection" realizing truck real time closed circuit protection in variable conditions
- > "Lock affirming" function during charging avoiding "hot connecting and disconnecting" operation effectively
- > "Whole system emergency button" to disconnect the truck control system and bms power quickly ensuring truck safety



G 1-3.5t

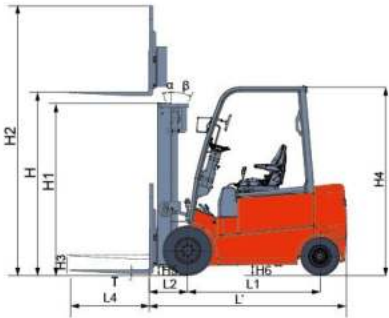
G Series Lithium Battery Powered Counterbalanced Forklift Truck



Manufacturer's Data and Design Characteristics

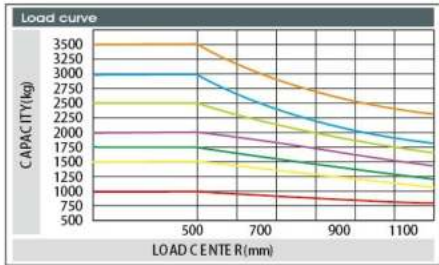
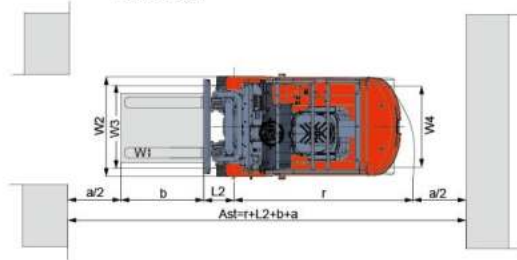
characteristics			HELI													
1.01	manufacturer		CPD10		CPD15		CPD18		CPD20		CPD25		CPD30		CPD35	
1.02	model		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)	
1.03	configuration number		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)		GC1L(P)/GD1L(P)	
1.04	rated capacity	Q kg	1000		1500		1750		2000		2500		3000		3500	
1.05	load center distance	c mm	500		500		500		500		500		500		500	
1.06	power mode		lithium battery		lithium battery		lithium battery		lithium battery		lithium battery		lithium battery		lithium battery	
1.07	driving mode		seated		seated		seated		seated		seated		seated		seated	
1.08	wheel base	L1 mm	1380		1380		1380		1550		1550		1685		1685	
tyre			pneumatic tyre		pneumatic tyre		solid/pneumatic tyre		pneumatic tyre		pneumatic tyre		pneumatic tyre		solid tyre	
2.01	tyre type		2X/2		2X/2		2X/2		2X/2		2X/2		2X/2		2X/2	
2.02	Wheels, number front rear (X=driven wheels)		910		910		910		960		960		1000		1000	
2.03	front wheel base	W3 mm	910		910		910		960		960		1000		1000	
2.04	rear wheel base	W4 mm	920		920		920		950		950		950		950	
2.05	tyre (front)		6.00-9-10PR		6.00-9-10PR		6.00-9		23 x 9-10-16PR		23 x 9-10-16PR		28 x 9-15-12PR		28 x 9-15	
2.06	tyre(rear)		16 x 6-8-10PR		16 x 6-8-10PR		16 x 6-8-10PR		18 x 7-8-14PR		18 x 7-8-14PR		18 x 7-8-14PR		18 x 7-8	
size			390		390		390		434		434		485		490	
3.01	front overhang		L2 mm		390		390		434		434		485		490	
3.02	mast tilt angle, front/rear		α/β °		6/8		6/8		6/8		6/8		6/10		6/10	
3.03	height with mast retraction		H1 mm		1985		1985		1995		1995		2075		2180	
3.04	free lifting height		H3 mm		145		145		145		145		145		150	
3.05	Max. lifting height		H mm		3000		3000		3000		3000		3000		3000	
3.06	Mast height, extended		H2 mm		4030		4030		4042		4042		4230		4230	
3.07	overhead guard height		H4 mm		2130		2130		2150		2150		2215		2215	
3.08	fork size:thickness×width×length		T×W×L4 mm		32 × 100 × 770		35 × 100 × 920		35 × 100 × 920		40 × 122 × 920		40 × 122 × 1070		45 × 125 × 1070	
3.09	fork carriage, DIN standard		2A		2A		2A		2A		2A		3A		3A	
3.10	truck body length (fork excluded)		L' mm		2070		2070		2285		2295		2545		2550	
3.11	truck body width		W2 mm		1086		1086		1185		1185		1238		1238	
3.12	turning radius		r mm		1750		1750		2000		2060		2240		2260	
3.13	clearance between mast and ground		H5 mm		90		80		110		110		135		135	
3.14	clearance between wheel base center and ground(loaded)		H6 mm		80		75		115		115		145		145	
3.15	right angle stacking aisle width (pallet1000×1000mm, clearance 200mm)		Ast mm		3390		3390		3635		3695		3925		3950	
3.16	right angle stacking aisle width (pallet1200×1200mm, clearance 200mm)		Ast mm		3590		3590		3835		3895		4125		4150	
performance			15.0/16.0		15.0/16.0		15.0/16.0		14.5/15.0		14.5/15.0		15.0/15.5		14.5/15.0	
4.01	travelling speed: loaded/unloaded		km/h		15.0/16.0		15.0/16.0		14.5/15.0		14.5/15.0		15.0/15.5		14.5/15.0	
4.02	lifting speed: loaded/unloaded		mm/s		290/450		280/530		280/490		280/490		280/450		250/440	
*4.02	lifting speed: loaded/unloaded		mm/s		410/600		380/600		350/510		350/510		340/460		325/450	
4.03	lowering speed: loaded/unloaded		mm/s		400/500		400/500		410/490		410/490		-/500		-/500	
4.04	gradeability (loaded)		%		19		17		20		20		15		12	
4.05	Max. traction force (loaded)		N		10000		10000		16000		16500		15600		17500	
4.06	acceleration time (10m) loaded/unloaded		s		5.0/4.4		5.2/4.5		5.2/4.6		4.6/4.4		4.8/4.6		5.0/4.7	
weight			2700/2350		2955/2605		3105/2755		3615/3215		4035/3635		4760/4200		5330/4770	
5.01	total weight (with /without battery)		kg		2700/2350		2955/2605		3105/2755		3615/3215		4035/3635		4760/4200	
5.02	axle load: unloaded, front/rear		kg		1420/1280		1370/1585		1805/1810		1790/2245		2270/2490		2410/2920	
5.03	axle load: loaded, front/rear		kg		3130/570		3870/585		4255/600		5015/600		5795/740		8020/810	
battery			48/400		48/400		48/400		48/500		48/500		80/400		80/400	
6.01	battery voltage/capacity K ₉		V/Ah		48/400		48/400		48/500		48/500		80/400		80/400	
6.02	battery weight		kg		350		350		400		400		560		560	
motor and controller			8.2		8.2		8.2		11.5		11.5		16.6		16.6	
7.01	drive motor power-60 minutes		kW		8.2		8.2		11.5		11.5		16.6		16.6	
7.02	lifting motor power-15 minutes		kW		7.5		7.5		10.5		10.5		13		13	
*7.02	lifting motor power-15 minutes		kW		10.6		10.6		15		15		13.5		13.5	
7.03	drive motor controlling mode		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
7.04	lifting motor controlling mode		MOSFET/DC		MOSFET/DC		MOSFET/DC		MOSFET/DC		MOSFET/DC		MOSFET/DC		MOSFET/DC	
*7.04	lifting motor controlling mode		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
others			hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical	
8.01	service brake/parking brake		Mpa		14.5		14.5		17.5		17.5		21		21	
8.02	hydraulic system working pressure		Mpa		14.5		14.5		17.5		17.5		21		21	
8.03	type of drive control		CURTIS		CURTIS		CURTIS		CURTIS		CURTIS		CURTIS		CURTIS	

NOTE: *refers to the parameters and configuration with AC lifting sytem



Ast. Right angle stacking aisle width

- a: Clearance
- b: Load Length



CPD10 CPD15 CPD18 CPD20 CPD25 CPD30 CPD35

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.

WIDE VIEW MAST

mast model	Max lifting height (mm)	load capacity (load center 500mm) (kg)								mast overall height (fork to the ground) (mm)				mast tilt angle (α / β) (°)	
		1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	3t	3.5t	1-2.5t	3-3.5t	
M200	2000	1000	1500	1750	2000	2500	3000	3500	1485	1495	1570	1680	6/8	6/10	
M250	2500	1000	1500	1750	2000	2500	3000	3500	1735	1745	1820	1930	6/8	6/10	
M300	3000	1000	1500	1750	2000	2500	3000	3500	1985	1995	2070	2180	6/8	6/10	
M330	3300	1000	1500	1750	2000	2500	3000	3500	2135	2145	2220	2330	6/8	6/10	
M350	3500	1000	1500	1750	2000	2500	3000	3500	2235	2245	2320	2430	6/8	6/10	
M370	3700	1000	1500	1750	2000	2500	3000	3400	2335	2345	2420	2530	6/8	6/6	
M400	4000	1000	1500	1750	2000	2500	2950	3350	2535	2545	2620	2730	6/5	6/10	
M425	4250	1000	1500	1750	2000	2500	2850	3250	2660	2670	2745	2855	6/5	6/6	
M450	4500	1000	1400	1600	1900	2300	2750	3100	2785	2795	2870	2980	6/5	6/10	
M500	5000	1000	1200	1350	1800	1950	2400	2650	3035	3045	3120	3230	6/5	6/6	
M550	5500	900	1100	1200	1400	1550	2250	2500	3335	3345	3420	3530	3/3	3/6	
M600	6000	800	800	850	950	1100	1500	1550	3585	3595	3670	3780	3/3	3/6	
		*1000	*1150	*1400	*1500	*1800	*2200	*2400					6/5	3/6	

Note: (1) *refers to rated capacity with dual front tires or widen tires;

WIDE VIEW FULL FREE 2-STAGE MAST

mast model	Max lifting height (mm)	load capacity (load center 500mm) (kg)								mast overall height (mm)				free lifting height (with backrest)(mm)				mast tilt angle (α / β) (°)	
		1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	3t	3.5t	1-1.8t	2-2.5t	3t	3.5t	1-2.5t	3-3.5t	
ZM200	2000	1000	1500	1750	2000	2500	3000	3500	1485	1495	1570	1680	478	447	380	500	6/8	6/10	
ZM250	2500	1000	1500	1750	2000	2500	3000	3500	1735	1745	1820	1930	728	697	630	750	6/8	6/10	
ZM300	3000	1000	1500	1750	2000	2500	3000	3500	1985	1995	2070	2180	978	947	880	1000	6/8	6/10	
ZM330	3300	1000	1500	1750	2000	2500	3000	3500	2135	2145	2220	2330	1128	1097	1030	1150	6/8	6/10	
ZM350	3500	1000	1500	1750	2000	2500	3000	3500	2235	2245	2320	2430	1228	1197	1130	1250	6/8	6/10	
ZM370	3700	1000	1500	1750	2000	2500	3000	3400	2335	2345	2420	2530	1328	1297	1230	1350	6/8	6/6	
ZM400	4000	1000	1500	1750	2000	2500	2950	3350	2535	2545	2620	2730	1528	1497	1430	1550	6/5	6/10	
ZM425	4250	1000	1500	1750	2000	2500	2850	3250	2660	2670	2745	2855	1653	1622	1555	1675	6/5	6/6	
ZM450	4500	1000	1400	1600	1900	2300	2750	3100	2785	2795	2870	2980	1778	1747	1675	1800	6/5	6/6	
ZM500	5000	1000	1200	1350	1800	1950	2400	2650	3035	3045	3120	3230	2028	1997	1930	2050	6/5	6/6	
ZM550	5500	900	1100	1200	1400	1550	2250	2500	3335	3345	3420	3530	2328	2297	2230	2350	3/3	3/6	
ZM600	6000	800	800	850	950	1100	1500	1550	3585	3595	3670	3780	2578	2547	2480	2600	3/3	3/6	
		*1000	*1150	*1400	*1500	*1800	*2200	*2400									6/5	3/6	

- Note: (1) *refers to rated capacity with dual front tires or widen tires ;
 (2) 1-1.8t: free lifting height 365mm increase without backrest ;
 (3) 2-2.5t: free lifting height 397mm increase without backrest ;
 (4) 3t: free lifting height 490mm increase without backrest ;
 (5) 3.5t: free lifting height 412mm increase without backrest ;

WIDE VIEW FULL FREE 3-STAGE MAST

mast model	Max lifting height (mm)	load capacity (load center 500mm) (kg)								mast overall height (mm)			free lifting height (with backrest)(mm)				mast tilt angle (α / β) (°)	
		1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	3-3.5t	1-1.8t	2-2.5t	3t	3.5t	1-2.5t	3-3.5t	
ZSM360	3600	1000	1500	1750	2000	2500	3000	3400	1780	1975	1930	690	774	740	745	6/8	6/6	
ZSM400	4000	1000	1500	1750	2000	2500	2900	3250	1915	1920	2055	905	900	865	870	6/5	6/6	
ZSM435	4350	1000	1450	1650	2000	2450	2750	3150	2030	2045	2180	1020	1024	990	995	6/5	6/6	
ZSM450	4500	1000	1400	1600	2000	2300	2700	3000	2080	2095	2230	1070	1074	1040	1045	6/5	6/6	
ZSM470	4700	1000	1350	1550	2000	2200	-	-	2150	2160	-	1070	1140	-	-	6/5	-	
ZSM480	4800	1000	1300	1500	1900	2050	2600	2800	2180	2195	2330	1140	1174	1140	1145	6/5	6/6	
ZSM500	5000	1000	1200	1300	1800	1950	2400	2650	2280	2295	2430	1270	1274	1240	1245	6/5	6/6	
ZSM540	5400	1000	1000	1050	1400	1400	1550	2250	2500	2405	2420	2555	1395	1400	1365	1370	3/3	3/6
				*1400			*1950	*2450									6/5	3/6
ZSM600	6000	700	750	750	950	1100	1550	1550	2630	2645	2780	1620	1624	1590	1595	3/3	3/6	
		*1000	*1100	*1300	*1500	*1800	*2150	*2300									6/5	3/6
ZSM650	6500	550	600	600	700	800	-	-	2830	2835	-	1810	1814	-	-	3/3	-	
		*1000	*1050	*1100	*1400	*1600	-	-									3/5	-
ZSM700	7000	*900	*950	*950	300	400	-	-	3015	3105	-	2005	2084	-	-	3/3	-	
					*1100	*1200	-	-									3/5	-

- Note: (1) *refers to rated capacity with dual front tires or widen tires ;
 (2) 1-1.8t: free lifting height 480mm increase without backrest ;
 (3) 1-1.8t: free lifting height 400mm increase without backrest when assembled with pulley block ;
 (4) 2-2.5t: free lifting height 451mm increase without backrest ;
 (5) 3-3.5t: free lifting height 520mm increase without backrest ;

LITHIUM BATTERY

model	battery	voltage(V)	capacity(Ah)
CPD10/CPD15/CPD18	standard	48	400
	optional	48	500
	standard	48	500
CPD20/CPD25	optional	48	600
	standard	80	400
CPD30/CPD35	optional	80	500
	standard	80	600