

4-5 t

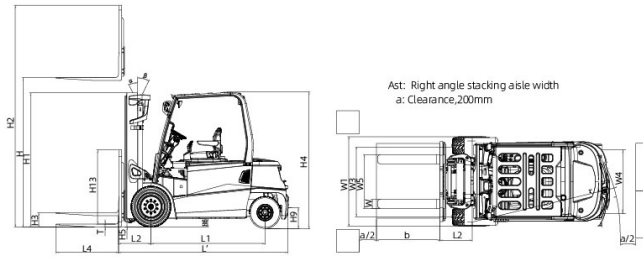
G3 Series Lithium-ion Forklift Truck



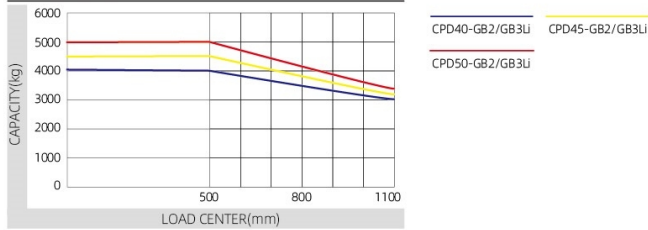
www.heliforklift.net

Manufacturer's Data and Design Characteristics

Character				
1.01	Manufacturer			
1.02	Model			
1.03	Configuration number			
1.04	Rated capacity	Q	kg	
1.05	Load center distance	c	mm	
Tyre				
2.01	Tyre type			
2.02	Wheel number (front/rear)			
2.03	Front wheel base	W3	mm	
2.04	Rear wheel base	W4	mm	
2.05	Tyre (front)			
2.06	Tyre (rear)			
Size				
3.01	Front overhang	L2	mm	
3.02	Mast tilt angle , front/rear	α/β	°	
3.03	Height with mast retraction	H1	mm	
3.04	Free lifting height	H3	mm	
3.05	Max.lifting height	H	mm	
3.06	Max.height under working condition	H2	mm	
3.07	Overhead guard height	H4	mm	
3.08	Fork size: thickness×width×length	T×W×L4	mm	
3.09	Fork arm carrier, DIN standard			
3.10	Truck body length (fork excluded)	L'	mm	
3.11	Truck body width	W1	mm	
3.12	Turning radius	r	mm	
Performance				
4.01	Travelling speed: loaded/unloaded		km/h	
4.02	Lifting speed: loaded/unloaded		mm/s	
4.03	Lowering speed: loaded/unloaded		mm/s	
4.04	Gradeability (loaded)		%	
Weight				
5.01	Total weight(with/without battery)		kg	
Battery				
6.01	Battery voltage/capacity		V/Ah	
6.02	Battery weight		kg	
Motor and controller				
7.01	(S2-60min) Drive motor power(S2-60min)		kW	
7.02	(S3-15%)Lifting motor power(S3-15%)		kW	
7.03	(S3-15%) Steering motor power(S3-15%)		kW	
Others				
8.01	Type of drive control			



Load Curve



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)		Free lift (mm)	Service weight(kg)			Mast tilt angle Front/rear
		CPD40	CPD45	CPD50	Mast lowered (mm)	Fork lifted (with backrest) (mm)		CPD40	CPD45	CPD50	
M250	2500	4000	4500	5000	1980	3733	150	6615	6780	7155	6-8°
M300	3000	4000	4500	5000	2230	4233	150	6670	6835	7210	6-8°
M330	3300	4000	4500	5000	2380	4533	150	6700	6865	7240	6-8°
M350	3500	4000	4500	5000	2480	4733	150	6720	6885	7260	6-8°
M370	3700	4000	4450	4900	2580	4933	150	6745	6910	7285	6-8°
M400	4000	4000	4350	4750	2780	5233	150	6785	6950	7325	6-8°
M425	4250	4000	4250	4650	2905	5483	150	6810	6975	7350	6-8°
M450	4500	4000	4150	4500	3030	5733	150	6840	7005	7380	6-8°
M475	4750	3900	4100	4400	3155	5983	150	6865	7030	7405	6-8°
M500	5000	3800	4000	4300	3280	6233	150	6895	7060	7435	6-8°
M550	5500	3650	3800	4150	3580	6733	150	6955	7120	7495	6-5°
M600	6000	3400	3450	3850	3830	7233	150	7010	7175	7550	3-5°

Free lift without backrest will increase by 271mm.

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. lifting height mm	Load capacity (load center 500mm)(kg)			Mast overall height (Fork to the ground) (mm)		Free lift (with backrest) (mm)	Service weight(kg)			Mast tilt angle Front/rear
		CPD40	CPD45	CPD50	Mast lowered (mm)	Fork lifted (with backrest) (mm)		CPD40	CPD45	CPD50	
ZM250	2500	4000	4500	5000	1980	3733	777	6710	6875	7250	6-8°
ZM261	2610	4000	4500	5000	2035	3792	832	6720	6885	7260	6-8°
ZM300	3000	4000	4500	5000	2230	4233	1027	6770	6935	7310	6-8°
ZM330	3300	4000	4500	5000	2380	4533	1177	6803	6968	7343	6-8°
ZM350	3500	4000	4500	4900	2480	4733	1277	6833	6998	7373	6-8°
ZM370	3700	4000	4400	4800	2580	4933	1377	6865	7030	7405	6-8°
ZM400	4000	4000	4300	4650	2780	5233	1577	6915	7080	7455	6-8°
ZM425	4250	4000	4200	4550	2905	5483	1702	6945	7110	7485	6-8°
ZM450	4500	3950	4100	4450	3030	5733	1827	6983	7148	7523	6-8°
ZM475	4750	3850	4050	4350	3155	5983	1952	7015	7180	7555	6-8°
ZM500	5000	3750	3950	4250	3280	6233	2077	7050	7215	7590	6-8°
ZM550	5500	3600	3750	4100	3580	6733	2377	7115	7280	7655	6-5°
ZM600	6000	3350	3400	3800	3830	7233	2627	7170	7335	7710	3-5°

Free lift without backrest will increase by 271mm.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height mm	Load capacity (load center 500mm)(kg)			Mast overall height (Fork to the ground) (mm)		Free lift (with backrest) (mm)	Service weight(kg)			Mast tilt angle Front/rear
		CPD40	CPD45	CPD50	Mast lowered (mm)	Fork lifted (with backrest) (mm)		CPD40	CPD45	CPD50	
ZSM360	3600	4000	4350	4900	1930	4833	727	6915	7080	7455	6-8°
ZSM400	4000	3950	4200	4750	2070	5233	867	6965	7130	7505	6-8°
ZSM435	4350	3850	4050	4450	2180	5583	977	6995	7160	7535	6-8°
ZSM450	4500	3800	4000	4400	2230	5733	1027	7015	7180	7555	6-8°
ZSM470	4700	3700	3950	4300	2345	6033	1142	7040	7205	7580	6-8°
ZSM500	5000	3600	3850	4200	2480	6233	1277	7085	7250	7625	6-8°
ZSM540	5400	3450	3700	4050	2615	6633	1412	7215	7380	7755	6-5°
ZSM600	6000	3250	3350	3650	2850	7233	1647	7305	7470	7845	6-5°
ZSM650	6500	2650	2750	3150	3015	7733	1812	7365	7530	7905	6-5°
ZSM700	7000	2150	2250	2650	3215	8233	2012	7435	7600	7975	3-5°

Free lift without backrest will increase by 380mm.