

## Configuration Table

	Steering deceleration	●
Categories for Safety	Rear handle with horn for truck reversing	●
	Overspeed alarm (5km/h)	○
	Overspeed alarm(8km/h)	○
	Overspeed alarm (10km/h)	○
	OPS(travelling+lifting+tilting+attachment )(lowering is included)	●
	Control valve overload	●
	Dry powder extinguisher (0.5kg)	○
	Dry powder extinguisher (2kg)	○
	Backward buzzer	●
	Reversing speaker (Chinese)	○
	Electronic upper buffering	●
	Center wide angle rearview mirror	●
	Rearview mirror on two sides + Center wide angle rearview mirror	○
	Reverse radar (4 probes)	○
Categories for comfort	Reversing image (1 camera + 4 probes)	○
	GRAMMER full suspension seat	●
	1 USB interface (5V/1A)	●
	Super low torque steering unit	●
	Steering started by steering wheel	●
	Mechanical operation valve	●
	Electromagnetic operation valve (proportional valve+ thumb switch)	○
	Fan	○
Optional overhead guard	Overhead guard with iron frame	○
	Overhead guard with protection net	○
cab / windshields	Panel mounted cab (with fan and wiper)	○
	Heater	○
	Rear mounted air conditioner only for cooling	○
	Rear mounted air conditioner only for cooling + heater	○
	Front windshield (with wiper/no blow can)	○
	High temperature resistant front windshield	○
	Rear windshield	○
	Top windshield (without fan)	○
lights	LED rear working lamp (one)	●
	Rear LED red/blue spot lamp	○
	Left, right and rear blue bar	○
	Fixed type LED rotating warning lamp	●
	Fixed type LED flicker warning lamp	○
	Fixed type LED rotating buzzer warning lamp	○
others	Dual tyre (front wheel)	●
	Metric screw	●
	SAE screw	○
	No protective sleeves for tilting cylinder and steering cylinder	○
	With protective sleeves for tilting cylinder and steering cylinder	●
	FICS(basic edition) (for domestic)	●

NOTE: "●" standard ; "○" optional ; "—" not applicable; \* :only ZAPI electric controller.

## Battery capacity configuration

Truck model	Model	Standard battery Made in CHINA	Option battery							
			Made in CHINA		FAAM		HOPPECKE			
Acid type	CPD60-GB2D	80V/840Ah	80V/960Ah	80V/840Ah	80V/840Ah	80V/840Ah	80V/960Ah	80V/1000Ah		
	CPD70-GB2D	80V/960Ah	—		80V/1000Ah	—				
	CPD85-GB2D	—	—		80V/1000Ah	—				
	CPD100-GB2D	—	HEDING		HEDING	—				
Lithium type	CPD60-GB2DLI	80V/606Ah	80V/808Ah	80V/1120Ah	80V/1212Ah	80V/606Ah	80V/684Ah	80V/813Ah	80V/906Ah	80V/1084Ah
	CPD70-GB2DLI	80V/808Ah	—		—	—	—			
	CPD85-GB2DLI	80V/808Ah	—		—	—	—			
	CPD100-GB2DLI	80V/808Ah	—		—	—	—			



ANHUI MAXBULL MACHINERY TECHNOLOGY CO., LTD.  
Add: No.2627 Hubei Road, Baohe District, Hefei, Anhui, China  
Tel: 0086 551 63852627  
Email: info@maxbull.cn  
Web: www.ahmaxbull.com

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

# CPCD60/70/85/100

## GB2D/GB2DLI



**6-10 t**  
**LITON**  
G3 Series  
Electric Battery Forklift Truck

# Compatible in system, Special in style

----- It is rather to achieve mutual achievement  
than give an ostentatious display of ability.

**Compatible**

Lithium battery and lead acid  
battery are optional as you like.

**Integrated**

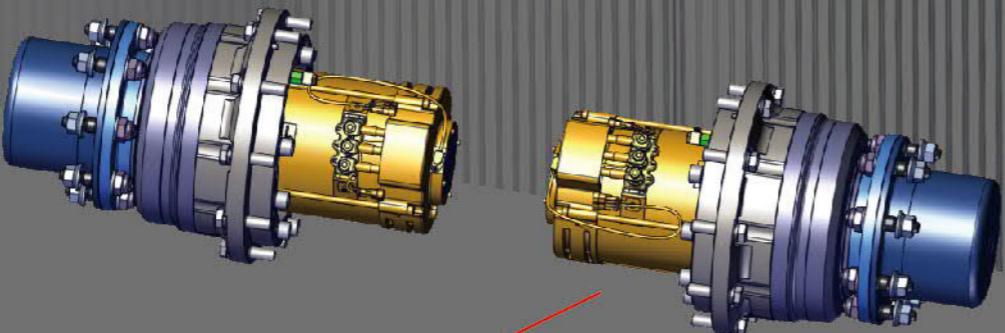
Combine the humanization design advantages of both  
internal combustion forklift truck and electric truck.



The truck is a continuation of MAXBULL family style and creates a new concept of electric forklift  
through easy exchange between lead acid battery power and lithium battery power

# Efficient and Energy saving

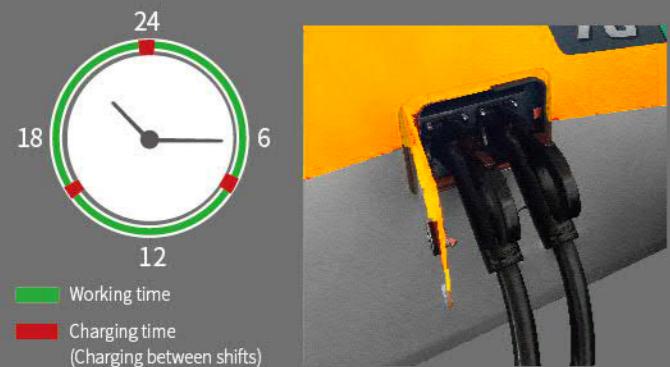
- Powerful dual drive, superior gradeability.



Dual drive power, imported motor and imported wheel reducer, while providing strong power, further improve the safety and stability of the truck.



- Double gun charging, fast and efficient.



Lithium battery forklift truck is equipped with double gun charging as standard, which greatly reduces the charging time. Lithium batteries have high-density capability and can be used and charged at any time to realize efficient and continuous operation all day long.

#### Lithium battery options:

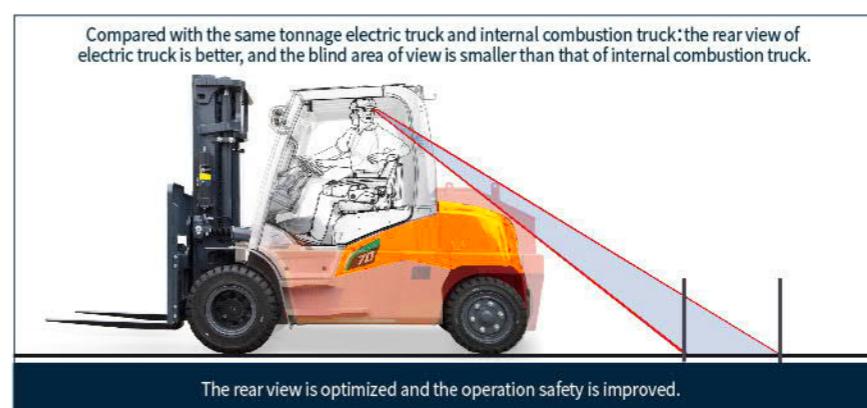
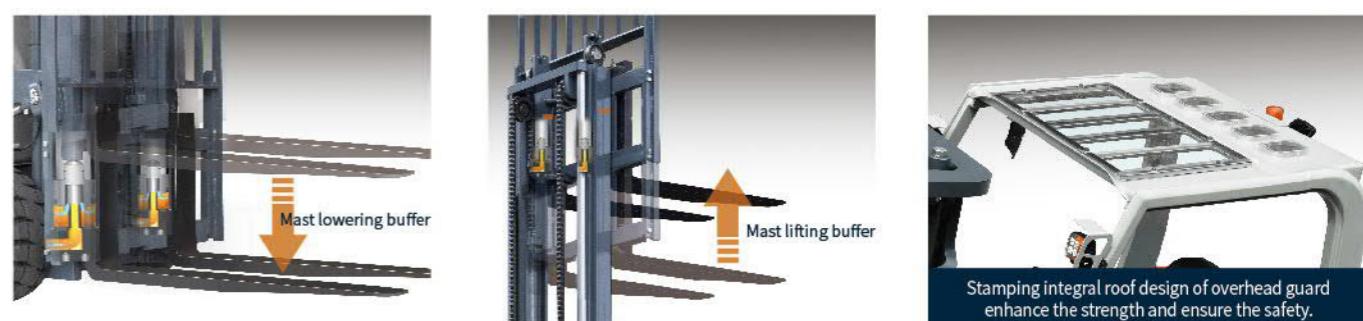
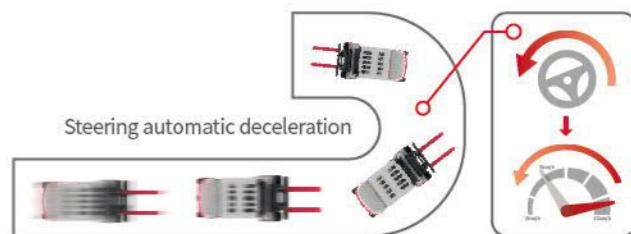
- **606Ah capacity (standard configuration):** which can be charged for 8 hours at one time, suitable for light load condition;
- **813Ah capacity:** one charge can meet 8-9 hours of operation, suitable for standard working conditions;
- **1084 Ah capacity:** one charge, suitable for 9-10 hours operation, suitable for heavy load strengthening conditions.

- Multi configuration, low energy consumption.



# Intelligent and Safe

- Intelligent automatic parking: optimized negative braking system and active parking in multiple applications are safe and easy which is safe and easy to make up omissions;
- Intelligent turning speed limit: active speed limit function, balance efficiency and safety when turning at high speed;
- Intelligent limit buffer: intelligent induction of mast lifting and lowering avoids limit impact and is safe and comfortable;
- Intelligent operation protection: a full set of OPS system can avoid misoperation and ensure safety;
- Intelligent control strategy: dual core controller is in line with the latest EU safety requirements.





## Comfort and Intimate

- The mast with large opening offers good driving vision ensuring operation comfort and safety.
- It integrates the advantages of internal combustion forklift truck platform to make the driving space more comfortable.
- Standard imported silent gear pump, greatly reduce the ear noise.



- Optional configuration of intelligent safety buffer system cushion operator from effects of riding over uneven surface and it is more comfortable.

### Vibration shock reduction

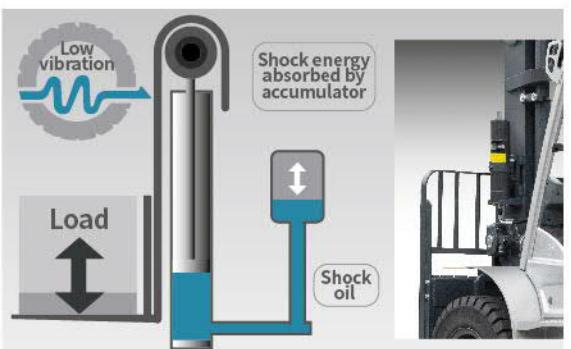
When driving under load conditions, the impact caused by uneven surface is greatly absorbed, and the vibration is effectively reduced.

### Vibration and noise reduction

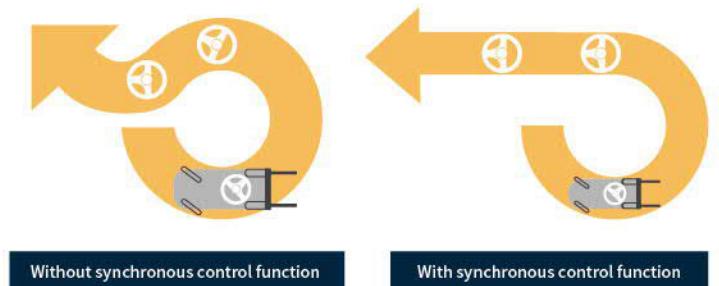
When driving under load condition, the impact noise caused by uneven surface is greatly reduced.

### Reduced driving fatigue

During the emergency stop operation during the load lowering process, the vibration and driving fatigue caused by inertia impact can be effectively reduced, and the driving safety can be improved.



- Hydraulic synchronous steering system can adjust steering wheel and wheel angle offset smartly and offers accurate steering and comfortable driving. (optional)
- Color screen display which can switch between Chinese and English, display truck speed, working time, battery power, fault code and other information.



## Stable and Reliable

- Imported drive axle and motor are stable and reliable.
- Wet negative braking is safe and reliable.
- The innovative design of mast structure improves the overall strength and stiffness.
- The structural design of the welded large oil tank greatly improves the strength of the frame and the heat dissipation of the hydraulic oil.
- The whole truck can be operated alternately in -20°C cold storage for 6 hours and parked in the cold storage for 12 hours without failure and can continue to work.
- New design of steering axle is safe and reliable.



## Convenient and Maintenance

- The layout of the cab is optimized, the battery is located directly under the engine room, and the hood opening angle is large, which facilitate daily inspection and maintenance.
- The controller is located on the counterweight, giving consideration to heat dissipation and maintenance convenience.
- The battery side changing is installed for easy changing between lead-acid battery and lithium battery as you like meet the needs of different customers and occasions.



### MAXBULL smart fleet management system (domestic basic edition)

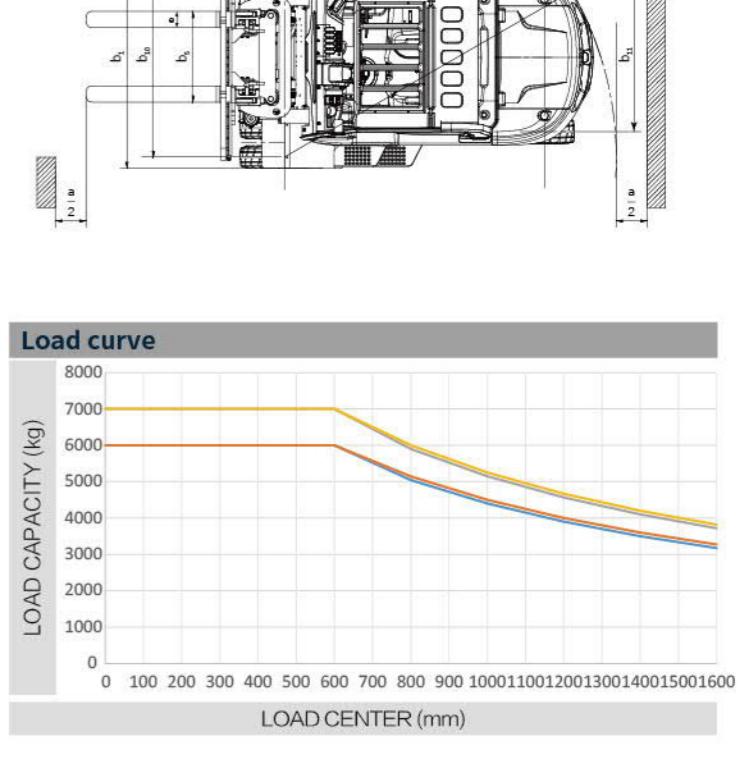
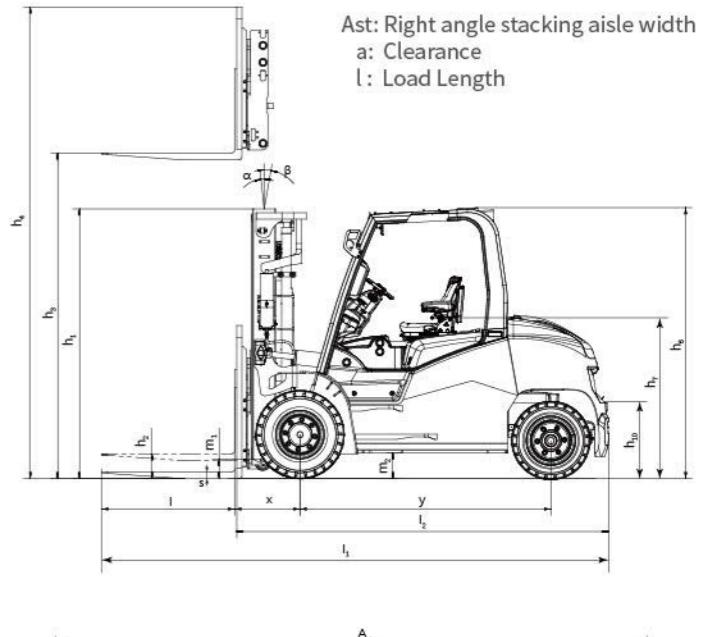
Vehicle positioning	Statistical form
Remote diagnosis	Vehicle management
Remote monitoring	Identification recognition (optional)
Maintenance reminder	Weight management (optional)
Battery management	Collision management (optional)



**Manufacturer and Technical Data (1)**

Characteristics									
MAXBULL									
1.01	Manufacturer								
1.02	Model		CPD60	CPD60	CPD70	CPD70	CPD85	CPD85	CPD100
1.03	Configuration number		GB2D	GB2DLi	GB2D	GB2DLi	GB2D	GB2DLi	GB2D
1.04	Rated capacity	Q	kg	6000	6000	7000	7000	8500	8500
1.05	Load center distance	c	mm	600	600	600	600	600	600
1.06	Power mode			Electric	Electric	Electric	Electric	Electric	Electric
1.07	Driving mode			Seated	Seated	Seated	Seated	Seated	Seated
1.08	Front overhang	x	mm	600	600	605	605	650	660
1.09	Wheelbase	y	mm	2305	2305	2305	2305	2400	2580
Weight									
2.01	Total weight (with/without battery)		kg	10580/7950	9720/9170	11030/8680	10330/9780	13952/11664	12660/12300
2.02	Axle load (laden/front/rear)		kg	16350/1130	15280/1340	16280/1750	15730/2000	19933/2889	18930/2245
2.03	Axle load (unladen/front/rear)		kg	5730/4850	4750/4970	5730/5300	4880/5450	7006/7316	6080/6620
Tyres									
3.01	Tyre type			Solid tyre					
3.02	Tyre size,front			8.25-15	8.25-15	8.25-15	8.25-15	8.25-15	8.25-15
3.03	Tyre size,rear			250-15	250-15	250-15	250-15	250-15	250-15
3.04	Wheels, number front/rear (x=driven wheels)			4/x2	4/x2	4/x2	4/x2	4/x2	4/x2
3.05	Tread, front	b10	mm	1567	1567	1567	1567	1686	1686
3.06	Tread, rear	b11	mm	1370	1370	1370	1370	1370	1370
Dimensions									
4.01	Mast tilt angle (forward/backward)	a/β	°	6/10	6/10	6/10	6/9	6/9	6/9
4.02	Height (mast lowered)	h1	mm	2480	2480	2480	2700	2700	2950
4.03	Free lifting height	h2	mm	160	160	165	165	200	210
4.04	Lifting height (standard)	h3	mm	3000	3000	3000	3000	3000	3000
4.05	Max. height,extended (with backrest)	h4	mm	4460	4460	4460	4200	4200	4455
4.06	Height of overhead guard	h6	mm	2500	2500	2491	2470	2470	2470
4.07	Seat height relating to SIP (to ground)	h7	mm	1460	1460	1460	1460	1460	1460
4.08	Towing coupling height	h10	mm	470	470	470	467	467	467
4.09	Overall length (with fork)	l1	mm	4657	4657	4662	4662	4870	5062
4.10	Overall length (without fork)	l2	mm	3437	3437	3442	3442	3650	3842
4.11	Overall width	b1	mm	2045	2045	2045	2165	2165	2165
4.12	Fork size:thickness x width x length	s/e/l	mm	60x150x1220	60x150x1220	65x150x1220	65x150x1220	70x175x1220	70x175x1220
4.13	Fork carriage,according to ISO2328			4A	4A	4A	4A	-	-
4.14	Distance across fork-arms, Max./Min.	b5	mm	1845/300	1845/300	1845/300	1845/300	450-1910	450-1910
4.15	Distance across fork-arms, Max./Min.	m1	mm	160	160	160	160	240	240
4.16	Ground clearance (center of wheelbase)	m2	mm	239	239	229	229	246	246
4.17	Right angle stacking aisle width for pallet 1000x1200mm crossways	Ast	mm	4845	4845	4850	4850	5080	5210
4.18	Right angle stacking aisle width for pallet 800x1200mm lengthways	Ast	mm	5045	5045	5050	5050	5280	5410
4.19	Min. outside turning radius	Wa	mm	3050	3050	3050	3050	3230	3350
Performance Data									
5.01	Travel speed (laden/unladen)		km/h	15/16	15/16	15/16	15/16	14/15.5	13/15.5
5.02	Lift speed (laden/unladen)		m/s	0.35/0.46	0.35/0.46	0.32/0.46	0.32/0.46	0.300/0.395	0.255/0.350
5.03	Lowering speed (laden/unladen)		m/s	0.46/0.45	0.46/0.45	0.48/0.45	0.48/0.45	0.430/0.430	0.430/0.350
5.04	Max.drawbar pull (laden/unladen)		N	35000	35000	37000	37000	44000	45000
5.05	Max.gradeability (laden)		%	19	19	18	18	18	15
5.06	Acceleration time(10 m)(laden/unladen)		s	4.9/5.5	4.9/5.5	4.9/5.5	4.9/5.5	5.38/5.84	5.62/6.31
Battery									
6.01	Battery voltage/Capacity		V/Ah	80/840	80/606	80/960	80/606	80/960	80/808
6.02	Battery weight (Min./Max.)		kg	2150	600	2350	600	2288	800
6.03	Battery,according to DIN			DIN 43536A	-	DIN 43536A	-	DIN 43536A	-
Motor and controller									
7.01	Driving motor powering (S2-60min)		kW	2x17.1	2x17.1	2x17.1	2x17.1	17.1x2	17.1x2
7.02	Lifting motor powering (S3-15%)		kW	2x26.5	2x26.5	2x26.5	2x26.5	26.5x2	26.5x2
7.03	Driving motor controlling mode			MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04	Lifting motor controlling mode			MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
Addition data									
8.01	Service brake/Parking brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
8.02	Operating pressure for attachments		Mpa	14	14	14	14	14	14

As: Right angle stacking aisle width  
 a: Clearance  
 l: Load Length



**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.

**G3 6-7t Wide View Standard Mast**

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm) (kg)				Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)				Mast tilt angle $\alpha/\beta(^{\circ})$			
		CPD60-GB2D	CPD60-GB2DLI	CPD70-GB2D	CPD70-GB2DLI			CPD60-GB2D/GB2DLI	CPD70-GB2D/GB2DLI	CPD60-GB2DLI	CPD70-GB2DLI	CPD60-GB2D	CPD60-GB2DLI	CPD70-GB2D	CPD70-GB2DLI
M220	2200	6000	6000	7000	7000	2080	165	10470	9600	10920	10210	6/10			
M250	2500	6000	6000	7000	7000	2230	165	10510	9640	10960	10250	6/10			
M270	2700	6000	6000	7000	7000	2330	165	10540	9670	10990	10280	6/10			
M300	3000	6000	6000	7000	7000	2480	165	10580	9720	11030	10330	6/10			
M330	3300	6000	6000	7000	7000	2630	165	10610	9750	11060	10360	6/10			
M350	3500	6000	6000	7000	7000	2730	165	10640	9780	11090	10390	6/10			
M400	4000	6000	6000	7000	7000	3030	165	10820	9960	11270	10570	6/10			
M425	4250	6000	6000	7000	7000	3155	165	10850	9990	11300	10600	6/10			
M450	4500	6000	6000	7000	7000	3280	165	10890	10020	11340	10630	6/10			
M475	4750	6000	6000	7000	7000	3405	165	10930	10060	11380	10670	6/5			
M500	5000	6000	6000	7000	7000	3530	165	10960	10090	11410	10700	6/5			
M550	5500	5700	5900	6600	6800	3830	165	11140	10270	11590	10880	6/5			
M600	6000	5400	5600	6400	6600	4080	165	11200	10330	11650	10940	6/5			

**G3 8.5-10t Wide View Standard Mast**

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm) (kg)		Height (mast lowered) (mm)	Service weight (kg)				Mast tilt angle $\alpha/\beta(^{\circ})$	
		CPD85	CPD100		CPD85	CPD100	CPD85-GB2D	CPD85-GB2DLI		
M250	2500	8500	10000	2450	2700	13272	11979	14659	13941	6/9
M270	2700	8500	10000	2550	2800	13327	12034	14699	13981	6/9
M300	3000	8500	10000	2700	2950	13952	12659	14780	14062	6/9
M330	3300	8500	10000	2800	3100	14053	12760	14828	14110	6/9
M350	3500	8500	10000	2950	3200	14198	12905	14873	14155	6/9
M375	3750	8500	10000	3075	3325	14318	13025	14923	14205	6/9
M400	4000	8500	10000	3250	3500	14493	13200	15063	14345	6/9
M425	4250	8500	10000	3375	3625	14648	13355	15118	14400	6/9
M450	4500	8500	10000	3500	3750	14768	13475	15168	14450	6/9
M475	4750	8200	10000	3625	3875	14913	13620	15225	14507	6/6
M500	5000	8200	10000	3750	4000	15028	13735	15280	14562	6/6
M550	5500	7850	9000	4050	4300	15350	14057	15581	14863	6/6
M600	6000	7400	8000	4300	4550	15553	14260	15631	14913	6/6

**G3 6-7t Wide View Full Free 2-Stage Mast**

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm) (kg)				Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)				Mast tilt angle $\alpha/\beta(^{\circ})$			
		CPD60-GB2D	CPD60-GB2DLI	CPD70-GB2D	CPD70-GB2DLI			CPD60-GB2D/GB2DLI	CPD70-GB2D/GB2DLI	CPD60-GB2DLI	CPD70-GB2DLI	CPD60-GB2D	CPD60-GB2DLI	CPD70-GB2D	CPD70-GB2DLI
ZM220	2200	6000	6000	7000	7000	2060	710	10570	9700	11050	10340	6/10			
ZM250	2500	6000	6000	7000	7000	2210	860	10615	9745	11095	10385	6/10			
ZM270	2700	6000	6000	7000	7000	2310	960	10650	9780	11130	10420	6/10			
ZM300	3000	6000	6000	7000	7000	2460	1110	10695	9835	11175	10475	6/10			
ZM330	3300	6000	6000	7000	7000	2610	1260	10730	9870	11210	10510	6/10			
ZM350	3500	6000	6000	7000	7000	2710	1360	10765	9905	11245	10545	6/10			
ZM400	4000	6000	6000	7000	7000	3010	1660	10950	10090	11430	10730	6/10			
ZM425	4250	6000	6000	7000	7000	3135	1785	10985	10125	11465	10765	6/10			
ZM450	4500	6000	6000	7000	7000	3260	1910	11030	10160	11510	10800	6/10			
ZM475	4750	6000	6000	7000	7000	3385	2035	11075	10205	11555	10845	6/5			
ZM500	5000	6000	6000	7000	7000	3510	2160	11110	10240	11590	10880	6/5			
ZM550	5500	5700	5900	6600	6800	3810	2460	11295	10425	11775	11065	6/5			
ZM600	6000	5400	5600	6400	6600	4060	2710	11360	10490	11840	11130	6/5			

**G3 6-7t Wide View Full Free 3-Stage Mast**


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