

CPD 15/18 A5LIH2

CPD 20/25/30/35/38 A7LIH2

HELI



 *More Powerful*

 *More Reliable*

 *Environmental Friendly*

 *Energy Conservation*

1-3.8 t

New H2 series Upgrade Lithium Battery Balanced Forklift



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The best choice to replace internal combustion forklifts



Powerful acceleration, excellent climbing performance, and easier and more efficient hill passage



The hood opening angle is as high as 84°, making maintenance convenient



Standard semi-enclosed seats, driving safe and comfortable



The dashboard is fully covered, making the overall appearance of the vehicle more aesthetically pleasing



Standard PC endurance board canopy



Standard tea cup holder, USB power supply

1.5/1.8 t

New H2 series Lithium battery balanced forklift

MANUFACTURER AND TECHNICAL DATA

Characteristic					
1.01	Manufacturer	HELI			
1.02	Model		CPD15		CPD18
1.03	Configuration number			A5LIH2	
1.04	Rated lifting capacity	Q	kg	1500	1800
1.05	Load center	c	mm	500	
1.06	Power mode	Lithium battery			
1.07	Driving style	Ride style			
Size					
2.01	Maximum lifting height	H	mm	3000	
2.02	Full height of the gantry (fork landing, gantry vertical)	H1	mm	1995	1995
2.03	Full height of the mast (forks landing, mast vertical)	H2	mm	4050	4050
2.04	Free lift height	H3	mm	155	155
2.05	Full height (roof support)	H4	mm	2070	
2.06	Minimum ground clearance (at the mast/at the frame)	H5	mm	102/120	
2.07	Distance from seat surface to roof frame	H6	mm	1000	
2.08	Height of traction pin	H9	mm	210	
2.09	Shelf height (calculated from the fork surface of the mast)	H13	mm	1015	1015
2.10	Full length (with fork)	L	mm	3174	3174
2.11	Full length (without fork)	L'	mm	2254	2254
2.12	Wheelbase	L1	mm	1400	
2.13	Front overhang	L2	mm	424	424
2.14	Rear overhang	L3	mm	430	430
2.15	Full width	W1	mm	1070	
2.16	Front track width	W3	mm	890	
2.17	Rear track width	W2	mm	920	
2.18	Fork adjustment range (outer) maximum/minimum	W5	mm	950/200	
2.19	Minimum turning radius (outside)	r	mm	1980	1980
2.20	Minimum turning radius (inside)	r'	mm	110	
2.21	Minimum right angle channel width	Ra	mm	2085	
2.22	Right angle stacking aisle width for pallet 1000 x 1200mm	Ast	mm	3605	
2.23	Right angle stacking aisle width for pallet 1200 x 800mm	Ast	mm	3805	
2.24	Mast inclination, front/rear	α/β	$^{\circ}$	6 $^{\circ}$ /12 $^{\circ}$	
2.25	Fork size, thickness/width/length	T×W×L4	mm	35×100×920	35×100×920
Performance					
3.01	Maximum driving speed, fully loaded/unloaded		km/h	17/18	
3.02	Lifting speed, fully loaded/unloaded		mm/s	460/600	
3.03	Descending speed, fully loaded/unloaded		mm/s	350/440	
3.04	Maximum traction force, fully loaded/unloaded		KN	10	
3.05	Gradeability, fully loaded/unloaded		%	18/26	
Weight					
4.01	Total weight (unloaded/fully loaded)		kg	2790/4290	3000/4800
4.02	Bridge load, unloaded, front/rear		kg	1120/1670	1200/1800
4.03	Bridge load, fully loaded, front/rear		kg	3754/536	4200/600
Wheels and tires					
5.01	Tire type	Pneumatic tire			
2.02	Number of wheels(front/rear)	2/2			
2.03	Tire, front	6.5-10-10PR			
2.04	Tire, rear	5.00-8-10PR			
Battery					
6.01	Battery voltage/capacity	V/Ah	80/202 (Optional 150, 173, 230, 280, 330, 346)		
6.02	Battery weight	kg	185		
Motors and controllers					
7.01	Drive motor power(S2-60min)	kW	8		
7.02	Lifting motor power(S3-15min)	kW	16		
7.03	Control mode of drive motor	MOSFET/AC			
7.04	Control mode of lifting motor	MOSFET/AC			
7.05	Controller model	350A+300A Jiacheng electric control			
Other					
8.01	Service brake/Parking brake	Hydraulic / Machinery			
8.02	Hydraulic system working pressure	Mpa	14.5		17.5

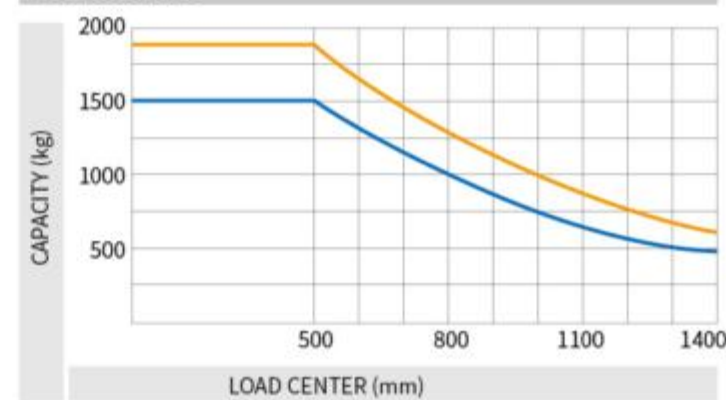


LITHIUM BATTERY AND CHARGER CONFIGURATION

Vehicle	Battery configuration	Battery voltage (V)	Battery capacity(Ah)	Charger model
CPD15-A5LIH2 CPD18-A5LIH2	Standard	80	202	D80V100ALi-438
			150	
	Optional		173	
			230	
			280	
			330	
			346	

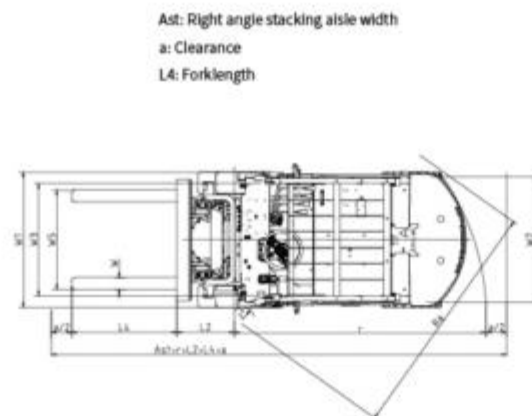
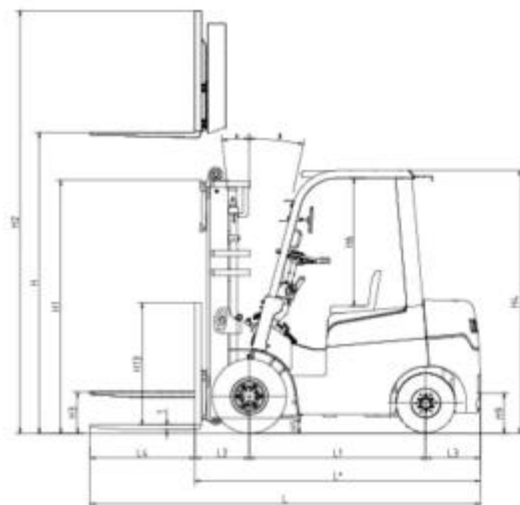
*Note:1. When the lithium battery capacity is selected as 150Ah or 173Ah, the lifting speed of the vehicle with full load is to 370mm/s.
 2. Please consult sales or technical support for battery capacity selection.
 3. The HELI dedicated charger has a scheduled charging function ,which can achieve peak and valley charging and save more electricity costs.

LOAD CURVE



CPD18 CPD15

Note:The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.



Ast: Right angle stacking aisle width
 a: Clearance
 L4: Forklength

EXAMPLE OF OEDER CODE

CPD 18 - A 5 Li H2

- CPD: New H2 series
- 18: Lithium battery
- : Jiacheng electric control
- A: Variant code
- 5: Rated capacity
- Li: Lithium battery balanced forklift
- H2: Lithium battery balanced forklift

1.5-1.8t WIDE VIEW MAST

Mast model	Max.fork height (mm)	Capacity at 500mm (Load center)(kg)		Free lifting height (mm)		Mast overall height (fork to the ground) (mm)	Mast tilting angle (°)α/β	Service Weight (kg)	
		1.5t	1.8t	Without backrest	With backrest			1.5t	1.8t
M200	2000	1500	1750	155	155	1495	6-12	2730	2940
M250	2500	1500	1750	155	155	1745	6-12	2760	2970
M300	3000	1500	1750	155	155	1995	6-12	2790	3000
M330	3300	1500	1750	155	155	2145	6-12	2810	3020
M350	3500	1500	1750	155	155	2245	6-12	2825	3035
M370	3700	1500	1750	155	155	2345	6-6	2845	3055
M400	4000	1500	*1700 *1750	155	155	2545	6-6 *6-12	2895	3105
M425	4250	1400 *1500	1600 *1750	155	155	2670	6-6 *6-12	2910	3120
M450	4500	1300 *1400	1550 *1700	155	155	2795	6-6 *6-12	2930	3140
M500	5000	1000 *1350	1100 *1600	155	155	3045	6-6 *6-6	2960	3170
M550	5500	*1150	*1500	155	155	3345	*3-6	3030	3240
M600	6000	*1050	*1400	155	155	3595	*3-6	3060	3270

1.5-1.8t WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.fork height (mm)	Capacity at 500mm (Load center)(kg)		Free lifting height (mm)		Mast overall height (fork to the ground) (mm)	Mast tilting angle (°)α/β	Service Weight (kg)	
		1.5t	1.8t	Without backrest	With backrest			1.5t	1.8t
ZM200	2000	1500	1750	895	475	1495	6-12	2760	2970
ZM250	2500	1500	1750	1115	695	1745	6-12	2790	3000
ZM300	3000	1500	1750	1360	940	1995	6-12	2820	3030
ZM330	3300	1500	1750	1510	1090	2145	6-12	2840	3050
ZM350	3500	1500	1750	1610	1190	2245	6-12	2855	3065
ZM375	3750	1500	1750	1755	1335	2370	6-6 *6-12	2875	3085
ZM400	4000	1500	*1700 *1750	1910	1490	2545	6-6 *6-12	2925	3135
ZM425	4250	1400 *1500	1600 *1750	2035	1615	2670	6-6 *6-12	2940	3150
ZM450	4500	1300 *1400	1550 *1700	2160	1740	2795	6-6 *6-12	2960	3170
ZM500	5000	1000 *1350	1100 *1600	2410	1990	3045	6-6 *6-6	2990	3200
ZM550	5500	*1150	*1500	2710	2290	3345	*3-6	3060	3270
ZM600	6000	*1050	*1400	2960	2540	3595	*3-6	3090	3300

1.5-1.8t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.fork height (mm)	Capacity at 500mm (Load center)(kg)		Free lifting height (mm)		Mast overall height (fork to the ground) (mm)	Mast tilting angle (°)α/β	Service Weight (kg)	
		1.5t	1.8t	Without backrest	With backrest			1.5t	1.8t
ZSM360	3600	1450	1750	1160	740	1790	6-12	2835	3060
ZSM400	4000	1400	1600	1290	870	1915	6-12	2855	3080
ZSM435	4350	1350 *1400	1550 *1700	1410	990	2040	6-12	2875	3100
ZSM450	4500	1300 *1350	1500 *1650	1460	1040	2090	6-12	2880	3105
ZSM470	4700	1300 *1350	1450 *1600	1530	1110	2160	6-12	2890	3115
ZSM480	4800	1100 *1350	1400 *1580	1560	1140	2190	6-6 *6-12	2895	3120
ZSM500	5000	1100 *1300	1150 *1550	1660	1240	2290	6-6 *6-12	2910	3135
ZSM540	5400	850 *1250	850 *1500	1790	1370	2415	6-6 *6-12	2930	3155
ZSM600	6000	550 *1100	550 *1400	2020	1600	2650	6-6 *6-12	2990	3215
ZSM650	6500	*1000	*1250	2210	1790	2830	6-6 *6-6	3020	3245
ZSM700	7000	—	*860	2405	1985	3025	*3-6	3050	3275

NOTE:(1)*stands for the rated capacity when the front tyre is double-tyre.



2-3.8 t

New H2 series upgrade
Lithium battery balanced forklift



Standard instrument panel



Standard USB and teacup holder



Standard color screen instrument panel



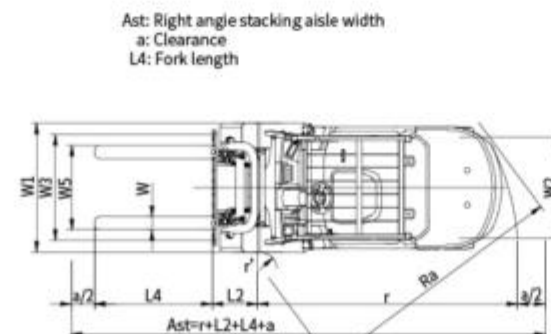
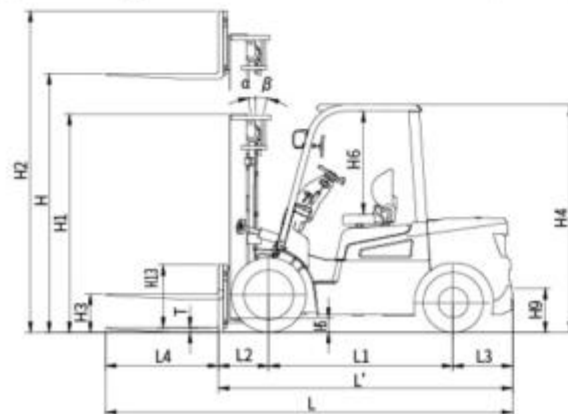
Optional tilt cylinder protective cover



Standard semi enclosed seats

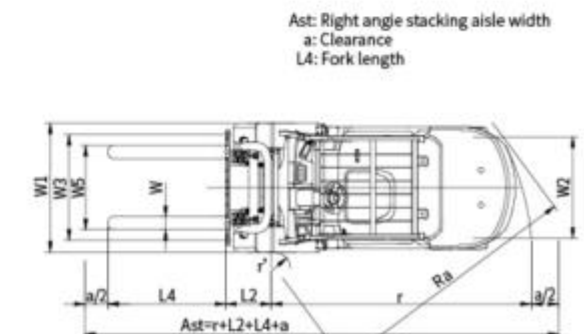
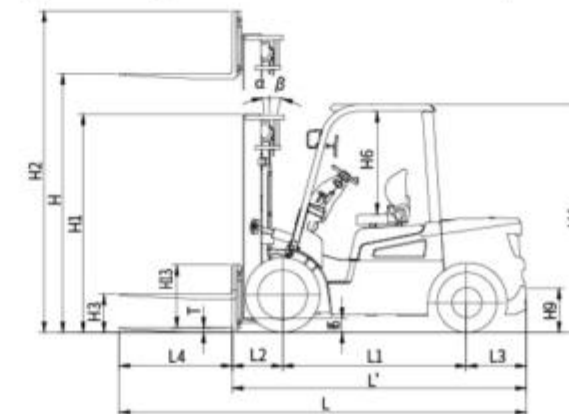
MANUFACTURER AND TECHNICAL DATA1

Characteristic				HELI	
1.01	Manufacturer			HELI	
1.02	Model			CPD20	CPD25
1.03	Configuration number			A7LIH2	
1.04	Rated lifting capacity	Q	kg	2000	2500
1.05	Load center	c	mm	500	
1.06	Power mode			Lithium battery	
1.07	Driving style			Ride style	
Size					
2.01	Maximum lifting height	H	mm	3000	
2.02	Full height of the gantry (fork landing, gantry vertical)	H1	mm	2000	
2.03	Full height of the mast (forks landing, mast vertical)	H2	mm	4039	
2.04	Free lift height	H3	mm	156	
2.05	Full height (roof support)	H4	mm	2120	
2.06	Minimum ground clearance (at the mast/at the frame)	H5	mm	115	
2.07	Distance from seat surface to roof frame	H6	mm	1035	
2.08	Height of traction pin	H9	mm	290	
2.09	Shelf height (calculated from the fork surface of the mast)	H13	mm	1000	
2.10	Full length (with fork)	L	mm	3450	3535
2.11	Full length (without fork)	L'	mm	2530	2615
2.12	Wheelbase	L1	mm	1650	
2.13	Front overhang	L2	mm	465	
2.14	Rear overhang	L3	mm	415	500
2.15	Full width	W1	mm	1170	
2.16	Front track width	W3	mm	970	
2.17	Rear track width	W2	mm	970	
2.18	Fork adjustment range (outer) maximum/minimum	W5	mm	1030/244	
2.19	Minimum turning radius (outside)	r	mm	2215	2270
2.20	Minimum turning radius (inside)	r'	mm	80	
2.21	Minimum right angle channel width	Ra	mm	2510	
2.22	Right angle stacking aisle width for pallet 1000 x 1200mm	Ast	mm	3880	3935
2.23	Right angle stacking aisle width for pallet 1200 x 800mm	Ast	mm	4080	4135
2.24	Mast inclination, front/rear	α/β	°		
2.25	Fork size, thickness/width/length	T×W×L4	mm	40×122×920	40×122×1070
Performance					
3.01	Maximum driving speed, fully loaded/unloaded			km/h 18/19	
3.02	Lifting speed, fully loaded/unloaded			mm/s 400/570	
3.03	Descending speed, fully loaded/unloaded			mm/s 450/500	
3.04	Maximum traction force, fully loaded/unloaded			KN 16/13	
3.05	Gradeability, fully loaded/unloaded			% 18/20	
Weight					
4.01	Total weight (unloaded/fully loaded)			kg 3265/5265 3580/6080	
4.02	Bridge load, fully loaded, front/rear			kg 1540/1725 1670/2800	
4.03	Bridge load, unloaded, front/rear			kg 4710/555 5440/640	
Wheels and tires					
5.01	Tire type			Pneumatic tire	
2.02	Number of wheels(front/rear)			2/2	
2.03	Tire,front			7.00-12-12PR	
2.04	Tire,rear			6.00-9-10PR	
Battery					
6.01	Battery voltage/capacity			V/Ah 80/280	
6.02	Battery weight			kg 245	
Motors and controllers					
7.01	Drive motor power(S2-60min)			kW 15	
7.02	Lifting motor power(S3-15min)			kW 18	
7.03	Control mode of drive motor			MOSFET/AC	
7.04	Control mode of lifting motor			MOSFET/AC	
7.05	Controller model			Songzheng electric control	
Other					
8.01	Service brake/Parking brake			Hydraulic / Machinery	
8.02	Hydraulic system working pressure			Mpa 17.5	



MANUFACTURER AND TECHNICAL DATA2

Characteristic				HELI		
1.01	Manufacturer			HELI		
1.02	Model			CPD30	CPD35	CPD38
1.03	Configuration number			A7LIH2		
1.04	Rated lifting capacity	Q	kg	3000	3500	3800
1.05	Load center	c	mm	500		
1.06	Power mode			Lithium battery		
1.07	Driving style			Ride style		
Size						
2.01	Maximum lifting height	H	mm	3000		
2.02	Full height of the gantry (fork landing, gantry vertical)	H1	mm	2070	2120	2180
2.03	Full height of the mast (forks landing, mast vertical)	H2	mm	4217		
2.04	Free lift height	H3	mm	155	160	
2.05	Full height (roof support)	H4	mm	2140		
2.06	Minimum ground clearance (at the mast/at the frame)	H5	mm	135		
2.07	Distance from seat surface to roof frame	H6	mm	1035		
2.08	Height of traction pin	H9	mm	310	283	
2.09	Shelf height (calculated from the fork surface of the mast)	H13	mm	1182	1177	1177
2.10	Full length (with fork)	L	mm	3862	3868	3868
2.11	Full length (without fork)	L'	mm	2792	2798	2798
2.12	Wheelbase	L1	mm	1750		
2.13	Front overhang	L2	mm	478	484	484
2.14	Rear overhang	L3	mm	564	564	564
2.15	Full width	W1	mm	1225		
2.16	Front track width	W3	mm	1000		
2.17	Rear track width	W2	mm	970		
2.18	Fork adjustment range (outer) maximum/minimum	W5	mm	1060/250		
2.19	Minimum turning radius (outside)	r	mm	2400	2410	
2.20	Minimum turning radius (inside)	r'	mm	80		
2.21	Minimum right angle channel width	Ra	mm	2510		
2.22	Right angle stacking aisle width for pallet 1000 x 1200mm	Ast	mm	4078	4084	4094
2.23	Right angle stacking aisle width for pallet 1200 x 800mm	Ast	mm	4278	4284	4294
2.24	Mast inclination, front/rear	α/β	°	6°/12°		
2.25	Fork size, thickness/width/length	T×W×L4	mm	45×125×1070	50×125×1070	
Performance						
3.01	Maximum driving speed, fully loaded/unloaded			km/h 18/19		
3.02	Lifting speed, fully loaded/unloaded			mm/s 380/500 360/480 340/480		
3.03	Descending speed, fully loaded/unloaded			mm/s 450/500		
3.04	Maximum traction force, fully loaded/unloaded			KN 19/13		
3.05	Gradeability, fully loaded/unloaded			% 18/20		
Weight						
4.01	Total weight (unloaded/fully loaded)			kg 4150/7150 4470/7970 4705/8505		
4.02	Bridge load, fully loaded, front/rear			kg 6330/820 7140/830 7645/860		
4.03	Bridge load, unloaded, front/rear			kg 1650/2500 1670/2800 1675/3030		
Wheels and tires						
5.01	Tire type			Pneumatic tire		
2.02	Number of wheels(front/rear)			2/2		
2.03	Tire,front			28×9-15-14PR		
2.04	Tire,rear			6.5-10-10PR		
Battery						
6.01	Battery voltage/capacity			V/Ah 80/280		
6.02	Battery weight			kg 245		
Motors and controllers						
7.01	Drive motor power(S2-60min)			kW 18		
7.02	Lifting motor power(S3-15min)			kW 22		
7.03	Control mode of drive motor			MOSFET/AC		
7.04	Control mode of lifting motor			MOSFET/AC		
7.05	Controller model			Songzheng electric control		
Other						
8.01	Service brake/Parking brake			Hydraulic / Machinery		
8.02	Hydraulic system working pressure			Mpa 17.5 19.5		

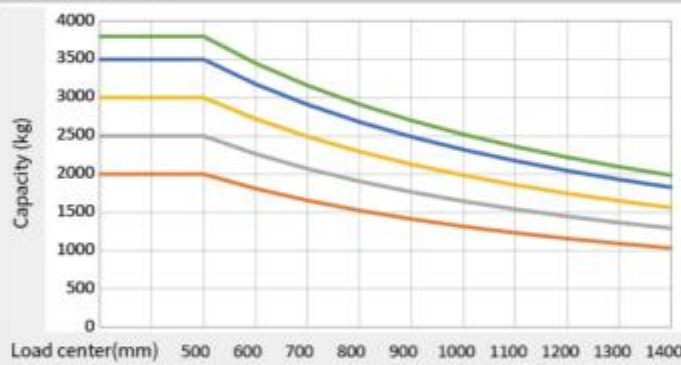


LITHIUM BATTERY AND CHARGER CONFIGURATION

Vehicle	Battery configuration	Battery voltage (V)	Hedong lithium battery	Heng Yang lithium battery	Pengcheng lithium battery		Charger model
					Eve cell	CATL cell	
CPD20/25/30/35/38-ATLIH2	Standard	80	280	280	280	268	D80V100ALI-438
			150	150	150	160	
			173	175	173	173	
	202		205	206	200		
	230		230	230	228		
	250		260	250	250		
	300		300	304	302	D80V200ALI-428	
	346		350	346	346		
	404		410	412	400		
	460		460	460	456		
560	560	560	536				
608	600	608	604				

Note:1. When the lithium battery capacity is selected to be less than 280Ah, the performance of the whole vehicle will decrease.
 2. Please consult sales or technical support for battery capacity selection.
 3. The HELI dedicated charger has a scheduled charging function, which can achieve peak and valley charging and save more electricity costs.

LOAD CURVE



— 2t — 2.5t — 3t — 3.5t — 3.8t

Note:The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

MAST CONFIGURATION TABLE

Gantry type	Mast model	Maximum lifting height (mm)	Load-bearing capacity (load center 500mm) (kg)		Free lifting height (mm)		Total height of the mast (mm)			Vehicle self-weight (kg)		Mast inclination Angle α/β (°)
							The full height of the mast (The fork touches the ground)	Full height of the mast (forks reaching the top)				
								Shelves without barriers	Shelving with stops			
			2t	2.5t	2-2.5t	2-2.5t	2-2.5t	2-2.5t	2-2.5t	2t	2.5t	
Secondary basic type door frame	M200	2000	2000	2500	156	156	1500	2663	3039	3175	3490	6-12
	M250	2500	2000	2500	156	156	1750	3163	3539	3225	3530	6-12
	M300	3000	2000	2500	156	156	2000	3663	4039	3265	3580	6-12
	M330	3300	2000	2500	156	156	2150	3963	4339	3295	3600	6-12
	M350	3500	2000	2500	156	156	2250	4163	4539	3315	3620	6-12
	M370	3700	2000	2500	156	156	2350	4363	4739	3325	3640	6-12
	M400	4000	2000	2500	156	156	2550	4663	5039	3405	3720	6-12
	M425	4250	*1900 *2000	*2300 *2500	156	156	2675	4923	5289	3425	3740	6-6 *6-12
	M450	4500	*1800 *1900	*2200 *2400	156	156	2800	5163	5539	3455	3760	6-6 *6-12
	M500	5000	*1650 *1750	*1800 *2250	156	156	3050	5663	6039	3495	3810	6-6 *6-12
M550	5500	*1400 *1700	*1500 *2000	156	156	3350	6163	6539	3595	3900	3-6 *3-6	
M600	6000	*1000 *1600	*1050 *1800	156	156	3600	6663	7039	3635	3950	3-6 *3-6	
Second-level fully free mast	ZM200	2000	2000	2500	867	491	1500	2663	3039	3205	3510	6-12
	ZM250	2500	2000	2500	1117	741	1750	3163	3539	3255	3560	6-12
	ZM300	3000	2000	2500	1367	991	2000	3663	4039	3295	3610	6-12
	ZM330	3300	2000	2500	1517	1141	2150	3967	4343	3325	3640	6-12
	ZM350	3500	2000	2500	1617	1241	2250	4163	4539	3345	3660	6-12
	ZM370	3700	2000	2500	1717	1341	2350	4363	4739	3365	3680	6-12
	ZM400	4000	2000	2500	1917	1541	2550	4663	5039	3445	3750	6-12
	ZM425	4250	*1900 *2000	*2300 *2500	2042	1666	2675	4914	5290	3465	3780	6-6 *6-12
	ZM450	4500	*1800 *1900	*2200 *2400	2167	1791	2800	5153	5529	3495	3800	6-6 *6-12
	ZM500	5000	*1650 *1750	*1800 *2250	2417	2041	3050	5663	6039	3545	3850	6-6 *6-12
ZM550	5500	*1400 *1700	*1500 *2000	2717	2341	3350	6163	6539	3645	3950	6-6 *6-6	
ZM600	6000	*1000 *1600	*1050 *1800	2967	2591	3600	6663	7039	3695	4000	6-6 *6-6	
Three-level fully free mast	ZSM360	3600	2000	2500	1147	791	1800	4283	4639	3425	3730	6-6
	ZSM400	4000	2000	2500	1297	941	1950	4683	5039	3465	3770	6-6
	ZSM435	4350	*1900 *1900	*2300 *2400	1397	1041	2050	5033	5389	3495	3810	6-6 *6-6
	ZSM450	4500	*1850 *1850	*2300 *2400	1447	1091	2100	5183	5539	3505	3820	6-6 *6-6
	ZSM470	4700	*1800 *1850	*2050 *2350	1512	1156	2165	5377	5733	3525	3840	6-6 *6-6
	ZSM480	4800	*1800 *1800	*2000 *2350	1557	1201	2210	5483	5839	3545	3850	6-6 *6-6
	ZSM500	5000	*1650 *1800	*1800 *2300	1647	1291	2300	5683	6039	3565	3870	6-6 *6-6
	ZSM540	5400	*1450 *1700	*1550 *2150	1747	1391	2400	6083	6439	3595	3910	6-6 *3-6 *3-6
	ZSM600	6000	*1000 *1600	*1050 *1800	1947	1591	2600	6683	7039	3695	4010	6-6 *3-6 *3-6
	ZSM650	6500	*600 *1200	*700 *1600	2147	1791	2800	7183	7539	3755	4060	6-6 *3-6 *3-6
ZSM700	7000	*400 *1000	*450 *1200	2322	1966	2975	7683	8039	3805	4110	6-6 *3-6 *3-6	

NOTE:(1)*stands for the rated capacity when the front tyre is double-tyre.

MAST CONFIGURATION TABLE

Gantry type	Mast model	Maximum lifting height (mm)	Load-bearing capacity (load center 500mm) (kg)			Free lifting height (mm)						Total height of the mast (mm)									Vehicle self-weight (kg)			Mast inclination Angle α/β (°)
												The full height of the mast (The fork touches the ground)			Full height of the mast (forks reaching the top)									
						Shelves without barriers			Shelving with stops			Shelves without barriers			Shelving with stops									
3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t				
Secondary basic type door frame	M200	2000	3000	3500	3800	155	160	160	155	160	160	1570	1620	1680	2741	2791	2831	3217	3217	3217	4050	4360	4595	6-12
	M250	2500	3000	3500	3800	155	160	160	155	160	160	1820	1870	1930	3241	3291	3331	3717	3717	3717	4100	4420	4655	6-12
	M300	3000	3000	3500	3800	155	160	160	155	160	160	2070	2120	2180	3741	3791	3831	4217	4217	4217	4150	4470	4705	6-12
	M330	3300	3000	3500	3800	155	160	160	155	160	160	2220	2270	2330	4041	4091	4131	4517	4517	4517	4170	4500	4735	6-12
	M350	3500	3000	3500	3800	155	160	160	155	160	160	2320	2370	2430	4241	4291	4331	4717	4717	4717	4190	4520	4755	6-12
	M370	3700	3000	3500	3800	155	160	160	155	160	160	2420	2470	2530	4441	4491	4531	4917	4917	4917	4210	4540	4775	6-12
	M400	4000	3000	3500	3800	155	160	160	155	160	160	2620	2670	2730	4741	4791	4831	5217	5217	5217	4290	4630	4865	6-12
	M425	4250	2900 *3000	3250 *3400	3650 *3800	155	160	160	155	160	160	2745	2795	2855	4991	5041	5081	5467	5467	5467	4320	4650	4885	6-6 *6-12
	M450	4500	2850 *3000	3100 *3350	3350 *3700	155	160	160	155	160	160	2870	2920	2980	5241	5291	5331	5717	5717	5717	4340	4680	4915	6-6 *6-12
	M500	5000	2550 *2850	2800 *2900	2850 *3200	155	160	160	155	160	160	3120	3170	3230	5741	5791	5831	6217	6217	6217	4390	4730	4965	6-6 *6-12
M550	5500	2250 *2650	2350 *2700	2650 *3000	155	160	160	155	160	160	3420	3470	3530	6241	6291	6331	6717	6717	6717	4490	4840	5075	3-6 *3-6	
M600	6000	1550 *2200	1750 *2300	2200 *2800	155	160	160	155	160	160	3670	3720	3780	6741	6791	6831	7217	7217	7217	4530	4890	5125	3-6 *3-6	
Second-level fully free mast	ZM200	2000	3000	3500	3800	864	869	889	888	443	503	1570	1620	1680	2735	2785	2825	3211	3211	3211	4070	4380	4615	6-12
	ZM250	2500	3000	3500	3800	1114	1119	1139	638	693	753	1820	1870	1930	3235	3285	3325	3711	3711	3711	4120	4430	4665	6-12
	ZM300	3000	3000	3500	3800	1364	1369	1389	888	943	1003	2070	2120	2180	3735	3785	3825	4211	4211	4211	4170	4490	4725	6-12
	ZM330	3300	3000	3500	3800	1514	1519	1539	1038	1093	1153	2220	2270	2330	4035	4085	4125	4511	4511	4511	4200	4520	4755	6-12
	ZM350	3500	3000	3500	3800	1614	1619	1639	1138	1193	1253	2320	2370	2430	4235	4285	4325	4711	4711	4711	4220	4540	4775	6-12
	ZM370	3700	3000	3500	3800	1714	1719	1739	1238	1293	1353	2420	2470	2530	4435	4485	4525	4911	4911	4911	4240	4560	4795	6-12
	ZM400	4000	3000	3500	3800	1914	1919	1939	1438	1493	1553	2620	2670	2730	4735	4785	4825	5211	5211	5211	4320	4640	4875	6-12
	ZM425	4250	2900 *3000	3250 *3400	3650 *3800	2039	2044	2064	1563	1618	1678	2745	2795	2855	4986	5036	5076	5462	5462	5462	4350	4670	4905	6-6 *6-12
	ZM450	4500	2850 *3000	3100 *3350	3350 *3700	2164	2169	2189	1688	1743	1803	2870	2920	2980	5235	5285	5325	5711	5711	5711	4370	4700	4935	6-6 *6-12
	ZM500	5000	2550 *2850	2800 *2900	2850 *3200	2414	2419	2439	1938	1993	2053	3120	3170	3230	5735	5785	5825	6211	6211	6211	4430	4760	4995	6-6 *6-12
ZM550	5500	2250 *2650	2350 *2700	2650 *3000	2714	2719	2739	2238	2293	2353	3420	3470	3530	6235	6285	6325	6711	6711	6711	4530	4860	5095	6-6 *6-6	
ZM600	6000	1550 *2200	1750 *2300	2200 *2800	2964	2969	2989	2488	2543	2603	3670	3720	3780	6735	6785	6825	7211	7211	7211	4580	4910	5145	6-6 *6-6	
Three-level fully free mast	ZSM360	3600	3000	3500	3800	1114	1119	1139	688	693	753	1870	1870	1930	4395	4395	4435	4821	4821	4821	4290	4580	4815	6-6
	ZSM400	4000	3000	3500	3800	1264	1269	1264	838	843	878	2020	2020	2055	4795	4795	4835	5221	5221	5221	4330	4620	4855	6-6
	ZSM435	4350	2850 *2950	3100 *3300	3300 *3700	1364	1369	1394	938	943	1008	2120	2120	2180	5145	5145	5185	5571	5571	5571	4360	4650	4885	6-6 *6-6
	ZSM450	4500	2800 *2900	3050 *3200	3250 *3600	1414	1419	1439	988	993	1053	2170	2170	2230	5295	5295	5335	5721	5721	5721	4370	4660	4895	6-6 *6-6
	ZSM470	4700	2750 *2850	3000 *3100	3050 *3350	1474	1479	1504	1048	1053	1118	2230	2230	2295	5495	5495	5535	5921	5921	5921	4390	4680	4915	6-6 *6-6
	ZSM480	4800	2700 *2800	2950 *3100	3000 *3300	1514	1519	1539	1088	1093	1153	2270	2270	2330	5595	5595	5635	6021	6021	6021	4400	4690	4925	6-6 *6-6
	ZSM500	5000	2600 *2750	2800 *2950	2800 *3200	1614	1619	1639	1188	1193	1253	2370	2370	2430	5795	5795	5835	6221	6221	6221	4430	4720	4955	6-6 *6-6
	ZSM540	5400	2300 *2700	2450 *2650	2450 *2900	1714	1719	1764	1288	1293	1378	2470	2470	2555	6195	6195	6235	6621	6621	6621	4460	4750	4985	3-6 *3-6
	ZSM600	6000	1500 *2100	1750 *2350	1750 *2600	1914	1919	1989	1488	1493	1603	2670	2670	2780	6795	6795	6835	7221	7221	7221	4560	4850	5085	3-6 *3-6
	ZSM650	6500	1000 *1800	1000 *1900	1050 *2300	2114	2119	2179	1688	1693	1793	2870	2870	2970	7295	7295	7335	7721	7721	7721	4620	4910	5165	3-3 *3-3
ZSM700	7000	700 *1400	900 *1500	950 *2000	2289	2294	2449	1863	1868	2063	3045	3045	3240	7795	7795	7835	8221	8221	8221	4670	4960	5215	3-3 *3-3	

NOTE:(1)*stands for the rated capacity when the front tyre is double-tyre.

EXAMPLE OF OEDER CODE :

