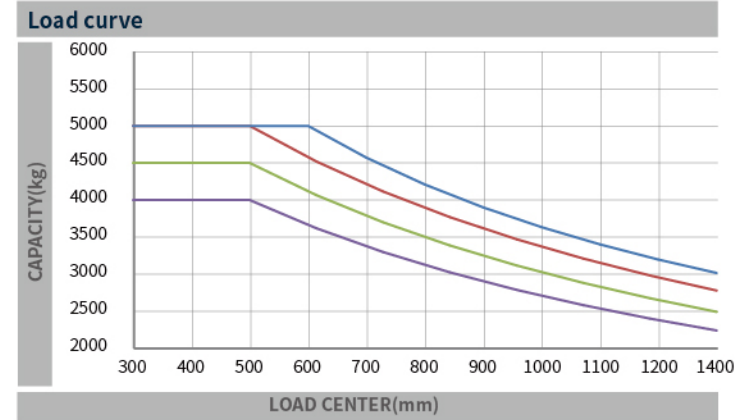
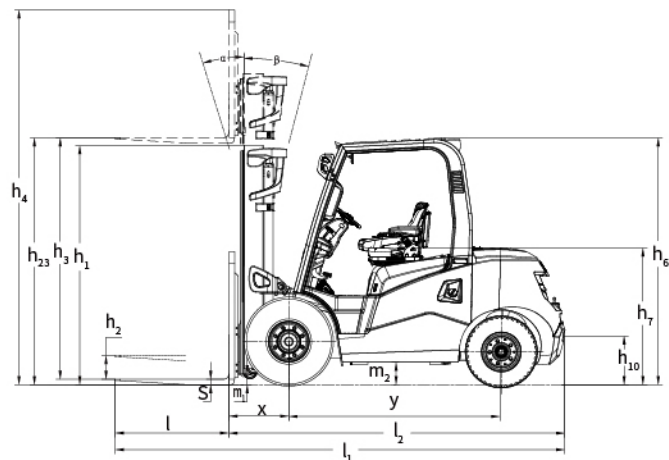
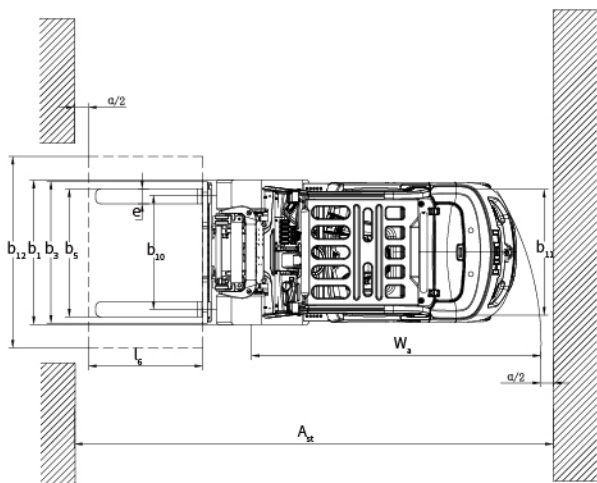


Manufacturer and Technical Data							
Characteristics							
1.01	Manufacturer	HELI					
1.02	Model	CPD40	CPD45	CPD50	CPD50		
1.03	Configuration number	G2A11LI					
1.04	Rated capacity	Q	kg	4000	4500	5000	
1.05	Load center distance	c	mm	500	600		
1.06	Power mode	Lithium battery					
1.07	Driving mode	Sit-on type					
1.08	Front overhang	x	mm	560			565
1.09	Wheelbase	y	mm	2100			
Weight							
2.01	Total weight		kg	5890/5560	6245/5915	6600/6270	7050/6720
2.02	Axle load (laden, front/rear)		kg	8990/900	9720/1025	10430/1170	10770/1280
2.03	Axle load (unladen, front/rear)		kg	2970/2920	2950/3295	2900/3700	3000/4050
Tyres							
3.01	Tyre type	Solid tyre					
3.02	Tyre size, front	8.25-15			300-15		
3.03	Tyre size, rear	7.00-12					
3.04	Wheels, number front/rear(x=driven wheels)	2X/2(Dual tyre 4X/2)					
3.05	Tread, front	b ₁₀	mm	1180			
3.06	Tread, rear	b ₁₁	mm	1190			
Dimensions							
4.01	Mast tilt angle (forward/backward)	α/β	°	6/12			
4.02	Height (mast lowered)	h ₁	mm	2275			
4.03	Free lifting height	h ₂	mm	150			
4.04	Lifting height (standard)	h ₃	mm	3000			
4.05	Max. height, extended (with backrest)	h ₄	mm	4250	4405		
4.06	Height of overhead guard	h ₅	mm	2350			
4.07	Seat height relating to SIP (to ground)	h ₇	mm	1080			
4.08	Towing coupling height	h ₁₀	mm	430			
4.09	Overall length (with fork)	l ₁	mm	4255	4275	4325	4525
4.10	Overall length (without fork)	l ₁	mm	3185	3205	3255	3305
4.11	Overall width	b ₁	mm	1480			
4.12	Fork size: thickness x width x length	s/e/l	mm	50x150x1070			55x150x1220
4.13	Fork carriage, according to ISO2328			III			IV
4.14	Distance across fork-arms, Max./Min.	b ₅	mm	1340/300			
4.15	Ground clearance (laden, between mast)	m ₁	mm	150			
4.16	Ground clearance (center of wheelbase)	m ₂	mm	230			
4.17	Right angle stacking aisle width for pallet 1000x1200mm crossways	Ast	mm	4610	4640	4690	4740
4.18	Right angle stacking aisle width for pallet 800x1200mm lengthways	Ast	mm	4810	4840	4890	4940
4.19	Min. outside turning radius	Wa	mm	2850	2880	2930	2970
Performance Data							
5.01	Travel speed (laden/unladen)		km/h	18/19	18/19	18/19	17/18
5.02	Lift speed (laden/unladen)		m/s	450/500	420/500	390/500	360/470
5.03	Lowering speed (laden/unladen)		m/s	450/450			23/20
5.04	Max. drawbar pull (laden/unladen)		N	23/20			
5.05	Max. gradeability (laden/unladen)		%	19/20	18/20	17/20	15/20
Battery							
6.01	Voltage/capacity (Standard/Optional)		V/Ah	Standard 153.6/230			Optional 153.6/280, 153.6/346
6.02	Mass (Min./Max.)		kg	325/455			
Motor and controller							
7.01	Power of driving motor (S2-60min)		kW	25			
7.02	Power of lifting motor (S3-15%)		kW	20			
7.03	Control mode of driving motor			MOS tube / AC			
7.04	Control mode of lifting motor			MOS tube / AC			
Addition data							
8.01	Service brake/Parking brake			Hydraulic power assisted braking / mechanical- ratchet type			
8.02	Operating pressure for attachments		Mpa	14			



— 5t@600
— 5t@500
— 4.5t@500
— 4t@500

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 Standard Mast

Mast model	Max. lifting height (mm)	Load capacity(kg)				Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)				Mast tilt angle α/β (°)
		4t@500	4.5t@500	5t@500	5t@600			4t@500	4.5t@500	5t@500	5t@600	
M250	2500	4000	4500	5000	5000	1990	150	5825	6180	6535	7000	6/12
M300	3000	4000	4500	5000	5000	2240	150	5890	6245	6600	7050	6/12
M330	3300	4000	4500	5000	5000	2390	150	5930	6285	6640	7080	6/12
M350	3500	4000	4500	5000	5000	2490	150	5855	6210	6565	7095	6/12
M370	3700	4000	4500	5000	5000	2590	150	5980	6335	6690	7115	6/12
M400	4000	4000	4500	5000	5000	2790	150	6070	6425	6780	7195	6/12
M425	4250	4000	4500	5000	5000	2915	150	6105	6460	6815	7220	6/6
M450	4500	3800	4300	4700	4700	3040	150	6135	6490	6845	7240	6/6
M475	4750	3700	4200	4500	4500	3165	150	6165	6520	6875	7265	6/6
M500	5000	3500	4000	4250	4100	3290	150	6200	6555	6910	7290	6/6
M550	5500	3200	3600	4000	3800	3590	150	6315	6670	7025	7385	6/6
M600	6000	*3200	*3600	*3800	*3600	3840	150	6380	6735	7090	7435	6/6

Wide View Full Free 2-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity(kg)				Height (mast lowered) (mm)	Free lift (with backrest) (mm)		Service weight (kg)				Mast tilt angle α/β (°)
		4t@500	4.5t@500	5t@500	5t@600		4t/4.5t/5t@500	5t@600	4t@500	4.5t@500	5t@500	5t@600	
ZM250	2500	4000	4500	5000	5000	1990	785	640	5828	6183	6538	6969	6/12
ZM300	3000	4000	4500	5000	5000	2240	1035	890	5883	6238	6593	7029	6/12
ZM330	3300	4000	4500	5000	5000	2390	1185	1040	5923	6278	6633	7074	6/12
ZM350	3500	4000	4500	5000	5000	2490	1285	1140	5948	6303	6658	7094	6/12
ZM370	3700	4000	4500	5000	5000	2590	1385	1240	5973	6328	6683	7124	6/12
ZM400	4000	4000	4500	5000	5000	2790	1585	1440	6063	6418	6773	7214	6/12
ZM425	4250	4000	4500	5000	5000	2915	1710	1565	6103	6458	6813	7254	6/6
ZM450	4500	3800	4300	4700	4700	3040	1835	1690	6143	6498	6853	7294	6/6
ZM475	4750	3700	4200	4500	4500	3165	1960	1815	6183	6538	6893	7339	6/6
ZM500	5000	3500	4000	4250	4100	3290	2085	1940	6218	6573	6928	7374	6/6
ZM550	5500	3200	3600	4000	3800	3590	2385	2240	6333	6688	7043	7489	6/6
ZM600	6000	*3200	*3600	*3800	*3600	3840	2635	2490	6383	6738	7093	7544	6/6

Note: 4-5t@500 the free lifting height is increased by +295mm when there is no backrest.
5t@600 the free lifting height is increased by +447mm when there is no backrest.

Wide View Full Free 3-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity(kg)				Height (mast lowered) (mm)	Free lift (with backrest) (mm)		Service weight (kg)				Mast tilt angle α/β (°)	
		4t@500	4.5t@500	5t@500	5t@600		4t/4.5t/5t@500	5t@600	4t@500	4.5t@500	5t@500	5t@600		
ZSM360	3600	3800	4350	4800	4800	1940	1990	730	630	6048	6403	6758	7243	6/6
ZSM400	4000	3800	4350	4800	4800	2080	2130	870	770	6098	6453	6808	7308	6/6
ZSM435	4350	3800	4350	4800	4800	2190	2240	980	880	6143	6498	6853	7333	6/6
ZSM450	4500	3800	4350	4800	4800	2240	2290	1030	930	6158	6513	6868	7353	6/6
ZSM470	4700	3500	4000	4250	4100	2305	2355	1095	995	6183	6538	6893	7378	6/6
ZSM500	5000	3300	3800	4000	4100	2440	2490	1230	1130	6233	6588	6943	7428	6/6
ZSM540	5400	3250	3400	3800	3800	2590	2640	1380	1280	6343	6698	7053	7543	6/6
ZSM600	6000	*3200	*3400	*3800	*3600	2790	2840	1580	1480	6413	6768	7123	7618	6/6
ZSM650	6500	*2500	*2800	*3200	*3100	2990	3040	1780	1680	6488	6843	7198	7698	6/6
ZSM700	7000	*1800	*2000	*2500	*2500	3165	3215	1955	1855	6553	6908	7263	7763	6/6

Note: 4-5t@500 the free lifting height is increased by +340mm when there is no backrest.
5t@600 the free lifting height is increased by +430mm when there is no backrest.