

Standard configuration

- Wide view standard mast
- Class II/III standard carriage
- Load backrest
- Control valve
- Battery
- Standard seat
- Overhead guard
- Overhead guard rain cover
- Pneumatic tires
- Traction pin
- Driver's tool
- LCD combination instrument
- Head light
- LED signal light
- Rear handle with horn

Optional device

- 3-stage full free mast
- 2-stage full free mast
- Wide carriage
- Long forks
- Fork extension sleeve
- Solid tires
- Widen tires
- Warning light
- Rear working light
- Tilt/steering cylinder boot
- Cab
- Suspension seat
- Customer color
- Coloring tires (white/green)
- Automatic steering slow down device

Attachments

- Side shifter
- Side shifting fork positioner
- Cargo boom
- Lifting hook
- Paper roll clamp
- Bale clamp
- Multifunction clamp
- Load stabilizer
- Push pulls
- Drum clamp
- Rotator
- Carton clamp
- Battery lifting sling

1-2.5 t
G series AC Electric Forklift Truck



1-2.5 t G series AC Electric Forklift Truck

G series / INTELLIGENT ENVIRONMENT-FRIENDLY



Excellent Visibility

- > Compact structure of mast and driver's view 6% improved.
- > Steering handwheel with 300mm diameter and right installation of meter effectively increase the front view.
- > Large arc shape of the overhead guard and grid tray with proper angle increase operator's upward view.

Better Stability & More Safety

- > New type drive axle and small front overhang design. Longitudinal Stability of the forklift increases by 4.9%.
- > High installation of rear axle increasing transversal stability 2.1%.
- > The space above driver's head is 50mm increased through increasing overhead guard's height and decreasing the seat's height.
- > The space around the driver's foot and operating safety are increased through moving the tilting cylinder to be under the floor board.
- > Multi speed selection function satisfies different working conditions and environment;
- > Standard configuration of warning light and brake automatic warning function improve whole truck's safety.
- > Battery side-extraction function satisfies different customers' needs (optional).
- > Automatic decelerating while steering improves safety (optional).
- > Special side plate and top cover structure is easy for assembly and disassembly.



High Performance & Energy Saving

- > Lifting performance increases by 21%.
- > Climbing and driving performance increase by 20% and 7%.
- > The maximum turning radius is 2020mm, good performance of driving.
- > The minimum turning radius is 1800mm(1-1.8t),2000mm(2t)and 2020mm(2.5t),good performance of driving.
- > Travelling saves more than 10% energy.
- > LED signal light saves more than 80% energy.
- > Battery cruising ability prolongs about 30 minutes.

Comfortable Operating & Lower Noise

- > Comfortable operating is achieved through moving the steering unit up and 190mm increased operating space around driver's foot.
- > Rear handle with horn function contributes to stable sitting pose when travelling backward and driving comfort and safety.
- > Mast buffer, rear axle buffer and rear extension type valve operation knob increase operating comfort effectively.
- > Ratchet type hand brake facilitates comfort driving.
- > Big getting on and off handle fits different figure size.
- > Ear noise reduces 1 db.



Option battery side pulling



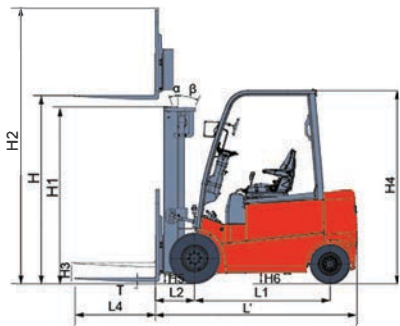
Option battery side loading



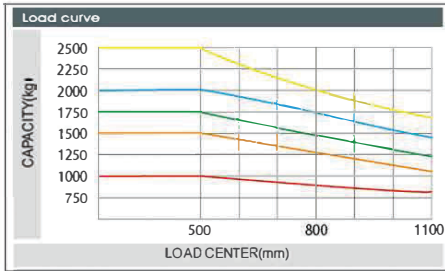
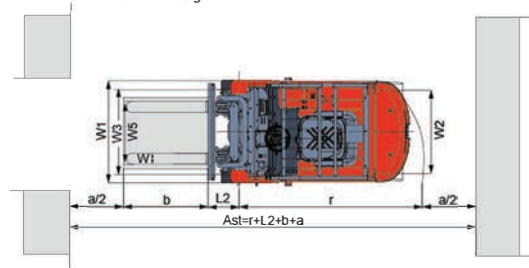
Manufacturer's Data and Design Characteristics

character			HELI									
1.01	manufacturer		HELI									
1.02	model		CPD10	CPD15	CPD18	CPD10	CPD15	CPD18	CPD20	CPD25	CPD20	CPD25
1.03	configuration number		GC1/GC2(P)	GC1/GC2(P)	GC1/GC2(P)	GD1/GD2/GD3(P)	GD1/GD2/GD3(P)	GD1/GD2/GD3(P)	GC1/GC2(P)	GC1/GC2(P)	GD1/GD2/GD3(P)	GD1/GD2/GD3(P)
1.04	rated capacity	Q kg	1000	1500	1750	1000	1500	1750	2000	2500	2000	2500
1.05	load center distance	c mm	500	500	500	500	500	500	500	500	500	500
1.06	power mode		Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery
1.07	driving mode		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.08	wheel base	L1 mm	1380	1380	1380	1380	1380	1380	1550	1550	1550	1550
tyre												
2.01	tyre type		Pneumatic	Pneumatic	SE/Pneumatic	Pneumatic	Pneumatic	SE/Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
2.02	wheel number(front/rear)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
2.03	front wheel base	W3 mm	910	910	910	910	910	910	960	960	960	960
2.04	rear wheel base	W2 mm	920	920	920	920	920	920	950	950	950	950
2.05	tyre (front)		6.00-9-10PR	6.00-9-10PR	6.00-9	6.00-9-10PR	6.00-9-10PR	6.00-9	23 x 9-10-16PR	23 x 9-10-16PR	23 x 9-10-16PR	23 x 9-10-16PR
2.06	tyre(rear)		16 x 6-8-10PR	16 x 6-8-10PR	16 x 6-8-10PR	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 7-8-14PR
size												
3.01	front overhang	L2 mm	390	390	390	390	390	390	434	434	434	434
3.02	mast tilt angle , front/rear	α/β °	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8
3.03	height with mast retraction	H1 mm	1985	1985	1985	1985	1985	1985	1995	1995	1995	1995
3.04	free lifting height	H3 mm	155	155	155	155	155	155	140	140	140	140
3.05	Max. lifting height	H mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3.06	Max. height under working condition	H2 mm	4030	4030	4030	4030	4030	4030	4042	4042	4042	4042
3.07	overhead guard height	H4 mm	2130	2130	2130	2130	2130	2130	2150	2150	2150	2150
3.08	fork size:thickness×width×length	TAW/L4 mm	32 x 100 x 770	35 x 100 x 920	35 x 100 x 920	32 x 100 x 770	35 x 100 x 920	35 x 100 x 920	40 x 122 x 920	40 x 122 x 1070	40 x 122 x 920	40 x 122 x 1070
3.09	fork arm carrier, DIN standard		2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
3.10	truck body length (fork excluded)	L' mm	2070	2070	2070	2070	2070	2070	2285	2285	2285	2295
3.11	truck body width	W1 mm	1086	1086	1086	1086	1086	1086	1185	1185	1185	1185
3.12	turning radius	r mm	1750	1750	1750	1750	1750	1750	2000	2020	2000	2020
3.13	clearance between mast and ground	H5 mm	90	90	80	90	90	80	110	110	110	110
3.14	clearance between wheel base center and ground (loaded)	H6 mm	95	95	90	95	95	90	115	115	115	115
3.15	right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	Ast mm	3340	3340	3340	3340	3340	3340	3635	3725	3635	3725
3.16	right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast mm	3540	3540	3540	3540	3540	3540	3835	3855	3835	3855
3.17	Lateral Fork Adjustment (Outside of Forks) Max./Min.	W5 mm	960/200	960/200	960/200	960/200	960/200	960/200	1030/244	1030/244	1030/244	1030/244
performance												
4.01	travelling speed: loaded/unloaded	km/h	15/16	15/16	15/16	15/16	15/16	15/16	14.5/15	14.5/15	14.5/15	14.5/15
4.02	lifting speed: loaded/unloaded	m/s	0.29/0.45	0.27/0.45	0.28/0.53	0.41/0.60	0.40/0.60	0.38/0.60	0.28/0.49	0.26/0.49	0.35/0.51	0.33/0.51
4.03	lowering speed: loaded/unloaded	m/s	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40	0.49/0.41	0.49/0.41	0.49/0.41	0.49/0.41
4.04	gradeability (loaded)	%	24	22	20	24	22	20	22	20	22	20
4.05	Max. traction force (loaded)	N	10000	10000	10000	10000	10000	10000	16000	16500	16000	16500
4.06	acceleration time (10m) loaded/unloaded	s	5.0/4.4	5.2/4.5	5.2/4.6	5.0/4.4	5.2/4.5	5.2/4.6	4.6/4.4	4.8/4.6	4.6/4.4	4.8/4.6
weight												
5.01	total weight (with /without battery)	kg	2920/2240	3030/2240	3220/2430	2920/2240	3030/2240	3220/2430	4060/3060	4250/3250	4160/3060	4350/3250
5.02	axle load: unloaded, front/rear	kg	1508/1412	1505/1525	1493/1727	1508/1412	1505/1525	1493/1727	1860/2200	2000/2250	1900/2260	2000/2350
5.03	axle load: loaded, front/rear	kg	3150/770	4005/525	4372/598	3150/770	4005/525	4372/598	5270/790	5930/820	5300/860	5950/900
battery												
6.01	battery voltage/capacity Ks	V/Ah	48/400(max600)	48/480(max600)	48/480(max600)	48/400(max600)	48/480(max600)	48/480(max600)	48/600(max600)	48/600(max600)	48/700①(max600)	48/700①(max600)
6.02	battery weight	kg	680(600-1000)	790(720-1000)	790(720-1000)	680(600-1000)	790(720-1000)	790(720-1000)	1000(950-1300)	1000(950-1300)	1100(950-1300)	1100(950-1300)
6.03	battery, DIN standard		43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A	43531A
motor and controller												
7.01	drive motor power-60 minutes	kW	8.2	8.2	8.2	8.2	8.2	8.2	11.5	11.5	11.5	11.5
7.02	lifting motor power-S3 15%	kW	7.5	7.5	8.6	10.6	10.6	10.6	10.5	10.5	15	15
7.03	drive motor controlling mode		MOSFET/AC	MOSFET/AC	MOSFET/AC	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/AC	MOSFET/AC	MOSFET/AC	MOSFET/DC	MOSFET/DC	MOSFET/AC	MOSFET/AC
7.05	service brake/parking brake		Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
7.06	hydraulic system working pressure	Mpa	14.5	14.5	17.5	14.5	14.5	14.5	17.5	17.5	17.5	17.5

NOTE: *Detailed information about battery, please contact our salesmen or engineer. 1- "①" Battery capacity 600Ah for battery side extraction "P" battery side extraction (side pulling or side loading),side pulling for standard. 2- 1: For configuration number, CURTIS Controller; 2: ZAPI Controller; 3: Inmotion Controller.



Ast: Right angle stacking aisle width
 a: Clearance
 b: Load Length



CPD10 CPD15 CPD18 CPD20 CPD25

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)		service weight (kg)					mast tilt angle (°) α/β		
		1t	1.5t	1.8t	2t	2.5t	1-1.8t	2-2.5t	1t	1.5t	1.8t	2t(GC)	2t(GD)		2.5t(GC)	2.5t(GD)
M200	2000	1000	1500	1750	2000	2500	1485	1495	2857	2967	3157	3970	4070	4160	4260	6/8
M250	2500	1000	1500	1750	2000	2500	1735	1745	2888	2998	3188	4014	4114	4204	4304	6/8
M300	3000	1000	1500	1750	2000	2500	1985	1995	2920	3030	3220	4060	4160	4250	4350	6/8
M330	3300	1000	1500	1750	2000	2500	2135	2145	2940	3050	3240	4086	4186	4276	4376	6/8
M350	3500	1000	1500	1750	2000	2500	2235	2245	2953	3063	3253	4104	4204	4294	4394	6/8
M370	3700	1000	1500	1750	2000	2500	2335	2345	2965	3075	3265	4122	4222	4312	4412	6/8
M400	4000	1000	1500	1750	2000	2500	2535	2545	3014	3124	3314	4182	4282	4372	4472	6/5
M425	4250	1000	1500	1750	2000	2500	2660	2670	3030	3140	3330	4205	4305	4395	4495	6/5
M450	4500	1000	1400	1600	1900	2300	2785	2795	3046	3156	3346	4228	4328	4418	4518	6/5
M500	5000	1000	1200	1350	1800	1950	3035	3045	3079	3189	3379	4273	4373	4463	4563	6/5
M550	5500	900	1100	1200	1400	1550	3335	3345	3140	3250	3440	4351	4451	4541	4641	3/3
M600	6000	800	800	850	950	1100	3585	3595	3172	3282	3472	4397	4497	4587	4687	3/3

NOTE: (1)* refers to rated capacity with 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)		service weight (kg)					mast tilt angle (°) α/β		
		1t	1.5t	1.8t	2t	2.5t	1-1.8t	2-2.5t	1-1.8t	2-2.5t	1t	1.5t	1.8t	2t(GC)	2t(GD)		2.5t(GC)	2.5t(GD)
ZM200	2000	1000	1500	1750	2000	2500	1485	1495	478	447	2900	3010	3200	3980	4080	4170	4270	6/8
ZM250	2500	1000	1500	1750	2000	2500	1735	1745	728	697	2932	3042	3232	4026	4126	4216	4316	6/8
ZM300	3000	1000	1500	1750	2000	2500	1985	1995	978	947	2966	3076	3266	4075	4175	4265	4365	6/8
ZM330	3300	1000	1500	1750	2000	2500	2135	2145	1128	1097	2988	3098	3288	4104	4204	4294	4394	6/8
ZM350	3500	1000	1500	1750	2000	2500	2235	2245	1228	1197	3003	3113	3303	4123	4223	4313	4413	6/8
ZM370	3700	1000	1500	1750	2000	2500	2335	2345	1328	1297	3015	3125	3315	4142	4242	4332	4432	6/8
ZM400	4000	1000	1500	1750	2000	2500	2535	2545	1528	1497	3063	3173	3363	4205	4305	4395	4495	6/5
ZM425	4250	1000	1500	1750	2000	2500	2660	2670	1653	1622	3082	3192	3382	4229	4329	4419	4519	6/5
ZM450	4500	1000	1400	1600	1900	2300	2785	2795	1778	1747	3101	3211	3401	4254	4354	4444	4544	6/5
ZM500	5000	1000	1200	1350	1800	1950	3035	3045	2028	1997	3135	3245	3435	4202	4402	4492	4592	6/5
ZM550	5500	900	1100	1200	1400	1550	3335	3345	2328	2297	3196	3306	3496	4384	4484	4574	4674	3/3
ZM600	6000	800	800	850	950	1100	3585	3595	2578	2547	3230	3340	3530	4433	4533	4623	4723	3/3

NOTE: (1)* refers to rated capacity with widen tires;
 (2) 1-1.8T:free lifted height 365mm increased without backrest;
 (3) 2-2.5T:free lifted height 397mm increased 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)		service weight (kg)					mast tilt angle (°) α/β		
		1t	1.5t	1.8t	2t	2.5t	1-1.8t	2-2.5t	1-1.8t	2-2.5t	1t	1.5t	1.8t	2t(GC)	2t(GD)		2.5t(GC)	2.5t(GD)
ZSM360	3600	1000	1500	1750	2000	2500	1780	1795	770	774	3014	3124	3314	4217	4317	4407	4507	6/8
ZSM400	4000	1000	1500	1750	2000	2500	1915	1920	905	900	3038	3148	3338	4252	4352	4442	4542	6/5
ZSM435	4350	1000	1450	1650	2000	2450	2030	2045	1020	1024	3062	3172	3362	4287	4387	4477	4577	6/5
ZSM450	4500	1000	1400	1600	2000	2300	2080	2095	1070	1074	3073	3183	3373	4301	4401	4491	4591	6/5
ZSM470	4700	1000	1350	1550	2000	2200	2150	2160	1140	1140	3089	3199	3389	4319	4419	4509	4609	6/5
ZSM480	4800	1000	1300	1500	1900	2050	2180	2195	1170	1174	3097	3207	3397	4329	4429	4519	4619	6/5
ZSM500	5000	1000	1200	1300	1800	1950	2280	2295	1270	1274	3118	3228	3418	4357	4457	4547	4647	6/5
ZSM540	5400	1000	1000	1050	1400	1400	2405	2420	1395	1400	3143	3253	3443	4399	4499	4589	4689	6/5
ZSM600	6000	700	750	750	950	950	2630	2645	1620	1624	3215	3325	3515	4462	4562	4652	4752	3/3
ZSM650	6500	550	600	600	700	800	2830	2835	1820	1814	3253	3363	3553	4495	4595	4685	4785	3/3
ZSM700	7000	900	950	950	1100	1200	3015	3105	2005	2084	3292	3402	3592	4550	4650	4740	4840	3/5

NOTE: (1)* refers to rated capacity with widen tires;
 (2) 1-1.8T:free lifted height 480mm increased without backrest;
 (3) 1-1.8T:free lifted height 400mm increased without backrest when assembled with pulley block;
 (4) 2-2.5T:free lifted height 451mm increased without backrest;
 (5) 2-2.5T:free lifted height 401mm increased without backrest when assembled with pulley block.



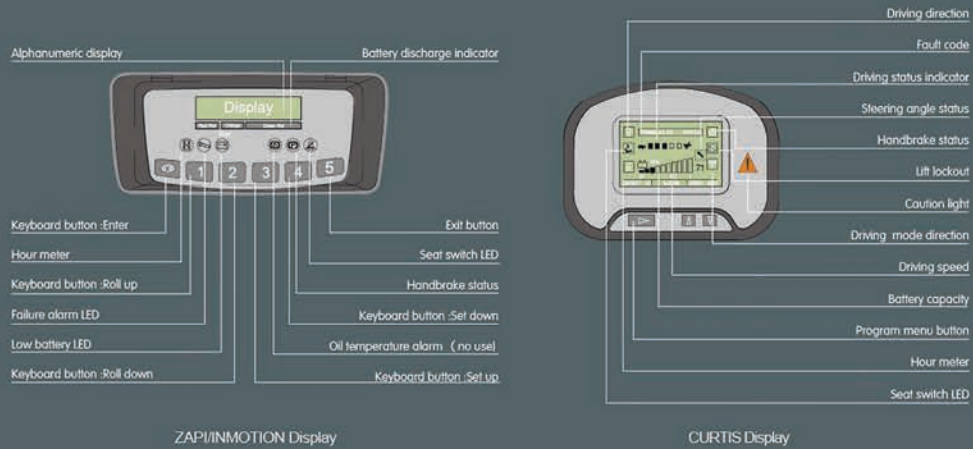
Renewable energy technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

↑15%
 THE PERFORMANCE OF BATTERY INCREASES

The reliable special instrument gives a complete display of the key information, like operating status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.



Standard configuration

- Wide view standard mast
- Standard fork
- Class III carriage
- Backrest
- Control valve
- Battery
- Standard seat
- Overhead guard
- LCD combined instrument
- Hom alert function on rear handle
- Traction pin
- Driver's tool
- Flashing light

Optional device

- String rod
- Driver's cab
- Lifting hook
- Cargo boom
- Tip-over fork
- Side shifter
- Paper roll clamp
- Warning light (rotating or buzzing)
- solid tyre
- Rear working light
- Steel protection net
- Multipurpose drum clamp
- Load stabilizer
- Wide carriage
- Lengthening fork
- Load pusher
- Lengthening fork extension
- Rotating flat clamp
- Dual-tyre with protection device
- Auxiliary hydraulic valve component
- Tilting/steering cylinder sleeve
- Non marking tyre
- wide view two/three stage full free mast
- Customer made color
- Sensor operated power steering
- Tum automatic deceleration function

NEW UPGRADE

3-3.5 t G series
AC Electric Forklift Truck



Improved driver's view

- > Standard configuration of wide view mast, compact structure of mast and tube pulley block.
- > Large arc roof frame, increasing the driving space.

Improved operating comfort

- > Foot operation comfort is increased through optimized brake pedal height and accelerating pedal height for comfort shifting.
- > Super low torque steering unit makes steering light and easy.
- > Rear handle with horn button ensures safe and comfortable operation while reverse driving.
- > Mast and rear axle buffering improve driving comfort largely.
- > Ratchet hand brake has different brake force on slope and ground, reducing driver's fatigue.



Optimized maintainability and safety

- > Special side plate and top cover structure is easy for assembly and disassembly.
- > Highly-mounted rear axle increasing transversal stability by 2.1%.
- > Three driving modes offer optional choices to different working condition.
- > Automatic deceleration when steering is optional so as to ensure the operation safety.

High efficiency and energy-saving

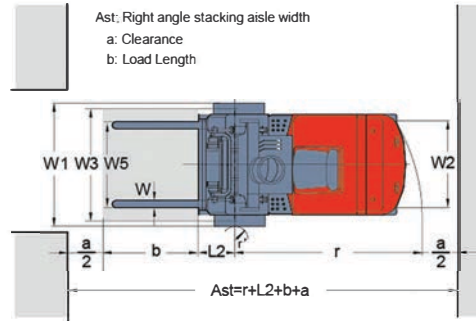
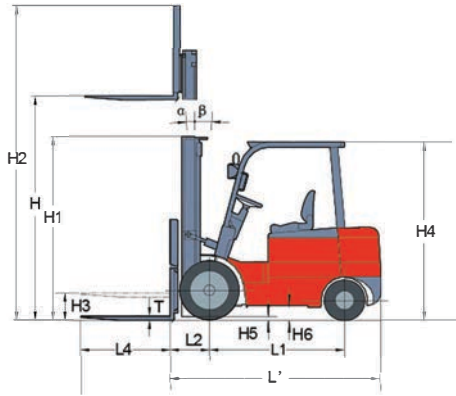
- > The use of electric truck dedicated tire with pattern saves more than 10% of the energy during travelling.
- > LED lamps save 80% of the energy.
- > The professional matching design of the components prolongs the battery working time about 10%.
- > Battery side lift and customized battery side pulling make battery changing easier.



Manufacturer's Data and Design Characteristics

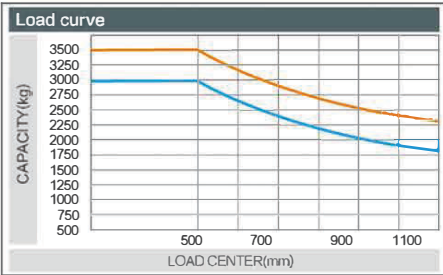
character			HELI							
1.01	manufacturer		HELI							
1.02	model		CPD30	CPD30	CPD30	CPD30	CPD35	CPD35	CPD35	CPD35
1.03	configuration number		GC1/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P	GC1/GC2/GC3	GD1/GD2/GD3	GC1P/GC2P/GC3P	GD1P/GD2P/GD3P
1.04	rated capacity	Q kg	3000	3000	3000	3000	3500	3500	3500	3500
1.05	load center distance	c mm	500	500	500	500	500	500	500	500
1.06	power mode		Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery
1.07	driving mode		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.08	wheel base	L1 mm	1685	1685	1685	1685	1685	1685	1685	1685
tyre										
2.01	tyre type		Pneumatic	Pneumatic	Pneumatic	Pneumatic	SE	SE	SE	SE
2.02	wheel number(front/rear)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
2.03	front wheel base	W3 mm	1000	1000	1000	1000	1000	1000	1000	1000
2.04	rear wheel base	W2 mm	950	950	950	950	950	950	950	950
2.05	tyre (front)		28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15-14PR	28X9-15	28X9-15	28X9-15	28X9-15
2.06	tyre(rear)		18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8-14PR	18X7-8	18X7-8	18X7-8	18X7-8
size										
3.01	front overhang	L2 mm	485	485	485	485	490	490	490	490
3.02	mast tilt angle , front/rear	α/β °	6/10	6/10	6/10	6/10	6/10	6/10	6/10	6/10
3.03	height with mast retraction	H1 mm	2075	2075	2075	2075	2180	2180	2180	2180
3.04	free lifting height	H3 mm	145	145	145	145	150	150	150	150
3.05	Max. lifting height	H mm	3000	3000	3000	3000	3000	3000	3000	3000
3.06	Max. height under working condition	H2 mm	4230	4230	4230	4230	4230	4230	4230	4230
3.07	overhead guard height	H4 mm	2215	2215	2215	2215	2215	2215	2215	2215
3.08	fork size:thickness×width×length	T×W×L4 mm	45 × 125 × 1070	45 × 125 × 1070	45 × 125 × 1070	45 × 125 × 1070	50 × 125 × 1070	50 × 125 × 1070	50 × 125 × 1070	50 × 125 × 1070
3.09	Lateral Fork Adjusterent (Outside of Forks) Max./Min.	W5 mm	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250	1060/250
3.10	fork arm carrier, DIN standard		3A	3A	3A	3A	3A	3A	3A	3A
3.11	truck body length (fork excluded)	L' mm	2490	2490	2490	2490	2560	2560	2560	2560
3.12	truck body width	W1 mm	1241	1241	1241	1241	1241	1241	1241	1241
3.13	turning radius	r mm	2210	2210	2210	2210	2270	2270	2270	2270
3.14	clearance between mast and ground	H5 mm	135	135	135	135	135	135	135	135
3.15	clearance between wheel base center and ground(loaded)	H6 mm	145	145	145	145	145	145	145	145
3.16	right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	Ast mm	3895	3895	3895	3895	3960	3960	3960	3960
3.17	right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast mm	4095	4095	4095	4095	4160	4160	4160	4160
performance										
4.01	travelling speed: loaded/unloaded	km/h	15/15.5	15/15.5	15/15.5	15/15.5	14.5/15	14.5/15	14.5/15	14.5/15
4.02	lifting speed: loaded/unloaded	m/s	0.28/0.46	0.34/0.46	0.28/0.46	0.34/0.46	0.27/0.44	0.325/0.46	0.27/0.44	0.325/0.46
4.03	lowering speed: loaded/unloaded	m/s	0.48	0.48	0.48	0.48	0.42	0.42	0.42	0.42
4.04	gradeability (loaded)	%	17/17/15	17/17/17	17/17/15	17/17/17	15/15/12	15/15/15	15/15/12	15/15/15
4.05	Max. traction force (loaded)	N	15600	15600	15600	15600	15600	15600	15600	15600
4.06	acceleration time (10m) loaded/unloaded	s	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2	5.75/5.2
weight										
5.01	total weight (with /without battery)	kg	4810/3460	4810/3460	4810/3460	4810/3460	5500/3950	5500/3950	5500/3950	5500/3950
5.02	axle load: unloaded, front/rear	kg	2320/2490	2320/2490	2320/2490	2320/2490	2640/2860	2640/2860	2640/2860	2640/2860
5.03	axle load: loaded, front/rear	kg	7055/755	7055/755	7055/755	7055/755	8145/855	8145/855	8145/855	8145/855
battery										
6.01	battery voltage/capacity K5	V/Ah	80/480	80/480	80/480	80/480	80/560	80/560	80/560	80/560
6.02	battery weight	kg	1350(1350-1626)	1350(1350-1626)	1350(1350-1626)	1350(1350-1626)	1550(1350-1650)	1550(1350-1650)	1550(1350-1650)	1550(1350-1650)
6.03	battery, DIN standard		43536A	43536A	43536A	43536A	43536A	43536A	43536A	43536A
motor and controller										
7.01	drive motor power-60 minutes	kW	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
7.02	lifting motor power(S3-15%)	kW	13.0	13.5	13.0	13.5	13.0	13.5	13.0	13.5
7.03	drive motor controlling mode		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04	lifting motor controlling mode		MOSFET/DC	MOSFET/AC	MOSFET/DC	MOSFET/AC	MOSFET/DC	MOSFET/AC	MOSFET/DC	MOSFET/AC
7.05	service brake/parking brake		Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
7.06	hydraulic system working pressure	Mpa	21	21	21	21	21	21	21	21

NOTE:(1)*Detailed information about battery, please contact our salesmen or engineer. (2)*P: battery side extraction(side pulling or side loading),side loading for standard. (3)For configuration number, 1: CURTIS Controller; 2: ZAPI Controller; 3: Inmotion Controller.



3.0t 3.5t

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(mm)		Service weight(kg)		Mast tilt angle (°) α/β
		3t	3.5t	3t	3.5t	3t	3.5t	
M200	2000	3000	3500	1570	1680	4715	5400	6/10
M250	2500	3000	3500	1820	1930	4755	5450	6/10
M300	3000	3000	3500	2070	2180	4810	5500	6/10
M330	3300	3000	3500	2220	2330	4840	5530	6/10
M350	3500	3000	3500	2320	2430	4860	5550	6/10
M370	3700	3000	3400	2420	2530	4890	5570	6/6 6/10
M400	4000	2950	3350	2620	2730	4955	5645	6/6 6/10
M425	4250	2850	3250	2745	2855	4980	5670	6/6 6/10
M450	4500	2750	3100	2870	2980	5005	5695	6/6 6/10
M500	5000	*2400 *2550	2650 2800	3120	3230	5055	5745	6/6 6/6
M550	5500	*2250 *2450	2500 2600	3420	3530	5135	5835	3/6 3/6
M600	6000	*1500 *2200	1650 2400	3670	3780	5185	5880	3/6 3/6

NOTE: (1)* refers to rated capacity with double 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)		Service weight(kg)		Mast tilt angle (°) α/β
		3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	
ZM200	2000	3000	3500	1570	1680	388	503	4756	5466	6/10
ZM250	2500	3000	3500	1820	1930	638	753	4800	5510	6/10
ZM300	3000	3000	3500	2070	2180	888	1003	4846	5555	6/10
ZM330	3300	3000	3500	2220	2330	1038	1153	4873	5582	6/10
ZM350	3500	3000	3500	2320	2430	1138	1253	4891	5600	6/10
ZM370	3700	3000	3400	2420	2530	1238	1353	4909	5618	6/6 6/10
ZM400	4000	2950	3350	2620	2730	1438	1553	4981	5692	6/6 6/10
ZM425	4250	2850	3250	2745	2855	1563	1678	5003	5714	6/6 6/10
ZM450	4500	2750	3100	2870	2980	1688	1803	5026	5737	6/6 6/10
ZM500	5000	*2400 *2900	2650 3050	3120	3230	1938	2053	5071	5782	6/6 6/6
ZM550	5500	*2250 *2700	2500 2850	3420	3530	2238	2353	5161	5874	3/6 3/6
ZM600	6000	*1600 *2300	1650 2500	3670	3780	2488	2603	5208	5920	3/6 3/6

NOTE: (1)* refers to rated capacity with double tires.
(2)3-3.5T: free lifted height 365mm increased 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)		Service weight (kg)		Mast tilt angle (°) α/β	
		3t	3.5t		3-3.5t	3t	3.5t	3t		3.5t
ZSM360	3600	3000	3400	1930	748	753	5065	5725	6/6	
ZSM400	4000	2900	3250	2055	873	878	5100	5760	6/6	
ZSM435	4350	2750	3150	2180	998	1003	5135	5795	6/6	
ZSM450	4500	2700	3000	2230	1048	1053	5151	5811	6/6	
ZSM470	4700	2700	2900	2230	1048	1053	5155	5815	6/6	
ZSM480	4800	2600	2800	2330	1148	1153	5180	5840	6/6	
ZSM500	5000	*2400 *2850	2650	2430	1248	1253	5209	5869	6/6 6/6	
ZSM540	5400	*2250 *2650	2500	2555	1373	1378	5244	5904	3/6 3/6	
ZSM600	6000	*1550 *2500	1600 2700	2780	1598	1603	5343	6003	3/6 3/6	
ZSM650	6500	*1250 *2200	1300 2500	2970	1788	1793	5396	6056	3/3 3/3	
ZSM700	7000	*850 *2100	1000 2300	3240	2058	2063	5480	6140	3/3 3/3	

NOTE: (1)* refers to rated capacity with double tires.
(2)3-3.5T: free lifted height 397mm increased without backrest.



Renewable energy technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

↑15%

THE PERFORMANCE OF BATTERY INCREASES