

A red Heli G series counterbalanced forklift is shown in a large, bright warehouse. The forklift is positioned in the center, facing left. It has a black mast with "HELI" written vertically, a black seat, and a black steering wheel. The body is red with a black battery compartment labeled "25". The background shows the high ceiling and large windows of the warehouse.

4000-6500 lbs

G series Electrical
Counterbalanced Cushion Tire Forklift Truck

G series / INTELLIGENT
ENVIRONMENT-FRIENDLY

HELI
LIFTING THE FUTURE

TOP 10 FORKLIFT MANUFACTURER
IN THE WORLD



4000-6500 lbs

G series Electrical Counterbalanced Cushion Tire Forklift Truck

Technical features remarkably improved, superior quality

Safety

- > New type drive axle and small front overhang design. Increases the longitudinal stability of the forklift.
- > High installation of rear axle increasing transversal stability.
- > Automatic deceleration when steering improves safety.

Energy efficiency

- > With optimized hydraulic system, the truck is more energy-efficient and has lower fuel consumption. Save more than 80% energy with LED lights.

View

- > Compact structure of mast and rubber tube pulley block increase driver's view.
- > Steering handwheel with 300mm diameter and right installation of meter effectively increase the view before the fork.
- > Large arc shape of the overhead guard and grid tray with proper angle increase operator's upward view.

Comfortable

- > Rear handle with horn function contributes to stable sitting pose when travelling backward and driving comfort and safety.
- > Ratchet type hand brake facilitates comfort driving.
- > Get on/off the vehicle both side, big handle fits different figure size.
- > Automobile type double combined switch effectively improve driving comfort level.
- > Battery side-pull function satisfies different customers' need (optional).

Workspace

- > The operation space is enlarged by heightened overhead guard and using large arc shape of the overhead guard's front leg
- > Space around foot is effectively increased through moving steering unit up, comfort operating.

Reliability

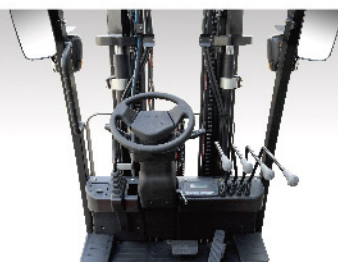
- > The optimized design of key parts including frame, mast, overhead guard and steering axle improve the truck's safety and reliability.
- > Important components pass rigorous bench test validation.

Working efficiency

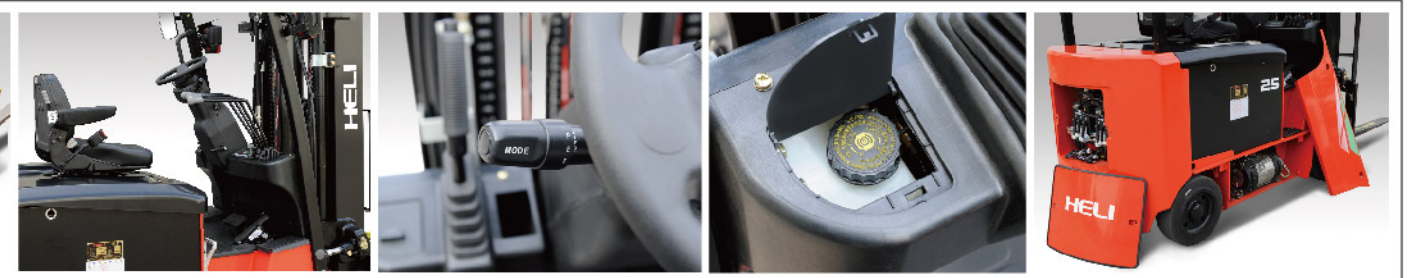
- > Small turning radius makes steering flexible and easy.
- > The truck has fast lifting speed, good sloping ability and high efficiency.
- > Multi speed selection function satisfies different working conditions and environment.

Maintainability

- > Right side of the plate can be disassembled easily, contributes to quick and convenient maintenance.



G series / *INTELLIGENT
ENVIRONMENT-FRIENDLY*





4000-6500 lbs

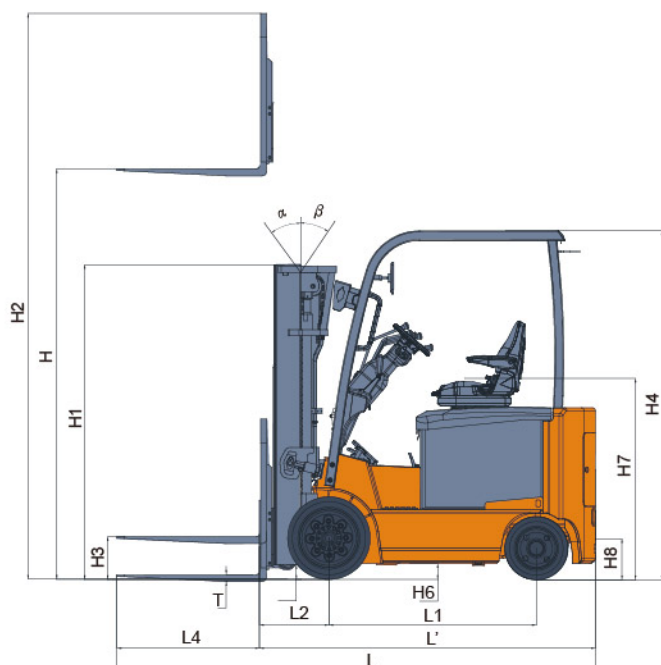
G series Electrical Counterbalanced Cushion Tire Forklift Truck

Manufacturers Data and Design Characteristics

Characteristics										
1.01	manufacturer									
1.02	model				CPD20		CPD25			
1.03	configuration number				GA2C/GA2CP		GA2C/GA2CP			
1.04	at rated load center			lb	mm	4000	2000	5000	2500	
1.05	load center			in	mm	24	500	24	500	
1.06	Power					electric		electric		
1.07	Tire type					cushion		cushion		
1.08	wheels(x=driven) number front/rear					2x/2		2x/2		
Dimensions										
2.01	Max.lifting height			H	in	mm	185	4700	185	4700
2.02	Max.fork lifting height(with backrest)			H2	in	mm	224	5689	224	5689
2.03	Free lift			H3	in	mm	44	1117	44	1117
2.04	Forks (length×width×thickness)			L4×W×T	in	mm	42×4.8×1.57	1070×122×40	42×4.8×1.57	1070×122×40
2.05	Fork spacing (out-to-out min/max)			W5	in	mm	9.65/38.4	245/975	9.65/38.4	245/975
2.06	Tilt (forward/backward)			α/β	deg	deg	6/5		6/5	
2.07	Overall length (without fork/with fork)			(L/L')	in	mm	84.8/126.9	2155/3225	85.2/127.3	2165/3235
2.08	Overall width			W1	in	mm	42	1072	42	1072
2.09	Mast overall height(to top of lowered mast)			H1	in	mm	84	2135	84	2135
2.10	Overall height(overhead guard)			H4	in	mm	88.5	2248	88.5	2248
2.11	Seat height to SIP			H7	in	mm	48.7	1238	48.7	1238
2.12	Drawbar pin height			H8	in	mm	10.2	258	10.2	258
2.13	Min. outside turning radius			r	in	mm	72.6	1845	73.0	1855
2.14	Load distance, axle to fork face			L2	in	mm	17.5	445	17.5	445
2.15	Min.right angle stacking aisle width			Ra	in	mm	88.8	2255	88.8	2255
Performance										
3.01	Travel speed Loaded/Unloaded (36 volt)			mph	km/h	8.5/9.3	14/15	8.5/9.3	14/15	
3.02	Travel speed Loaded/Unloaded (48 volt)			mph	km/h	10.6/10.6	17/17	10.6/10.6	17/17	
3.03	Lift Speed Loaded/Unloaded (36 volt)			fpm	mm/s	57.1/98.4	290/500	57.1/98.4	290/500	
3.04	Lift Speed Loaded/Unloaded (48 volt)			fpm	mm/s	78.7/118.1	400/600	78.7/118.1	400/600	
3.05	Lowing Speed (Loaded/Unloaded)			fpm	mm/s	88.6/78.7	450/400	88.6/78.7	450/400	
3.06	Max.Gradeability Loaded/Unloaded(5 minute rating)			%	%	17/20		17/20		
3.07	Max.drawbar pull Loaded/Unloaded(5 minute rating)			lb		3964/3319	1800/1507	3964/3319	1800/1507	
Weight										
4.01	Empty (with minimum weight battery)			lb	kg	9903	4496	10432	4736	
4.02	Axle load with rated load (front/rear)			lb	kg	12344 / 1359	5604 / 617	14529 / 1407	6596 / 639	
4.03	Axle load without load (front/rear)			lb	kg	4289 / 4910	1947 / 2229	4626 / 5804	2100 / 2635	
Chassis										
5.01	Tyre size (front)			in		21x7-15		21x7-15		
5.02	Tyre size (rear)			in	mm	16x6-10.5		16x6-10.5		
5.03	Wheel base			L1	in	mm	53	1340	53	1340
5.04	Tread width (front tread)			W2	in	mm	35.0	890	35.0	890
5.05	Tread width (rear tread)			W3	in	mm	36.2	920	36.2	920
5.06	Ground clearance (at lowest point at mast)			H5	in	mm	3.7	95	3.7	95
5.07	Ground clearance (at center of wheelbase)			H6	type	type	4.3	110	4.3	110
5.08	Brakes (service/parking)			type	type	Hydraulic-Foot Pedal / Mechanical-Hand Lever		Hydraulic-Foot Pedal / Hydraulic-Foot Pedal		
Electrical										
6.01	Battery capacity at 6 hr. discharge rate (36 volt)			Ah	Kwh	1320	48	1320	48	
6.02	Battery capacity at 6 hr. discharge rate (48 volt)			Ah	Kwh	990	48	990	48	
6.03	Battery weight, minimum			lb	kg	2600	1180	2600	1180	
6.04	Battery weight, maximum			lb	kg	3530	1600	3530	1600	
6.05	Battery battery compartment size, maximum			in	mm	39.25x30.70x24.6	997x780x625	39.25x30.70x24.76	997x780x625	
6.06	Motors drive motor capacity (60 min. rating) (36 / 48 volt)			HP	KW	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	
6.07	Motors lift output (15% rating) (36 / 48 volt)			HP	KW	22.1/26.8	16.5/20	22.1/26.8	16.5/20	
6.08	Controls drive			type	type	MOSFET/AC		MOSFET/AC		
6.09	Controls hydraulic			type	type	MOSFET/AC		MOSFET/AC		
6.10	Hydraulic pressure for attachments			PSI	Mpa	2030	14	2030	14	



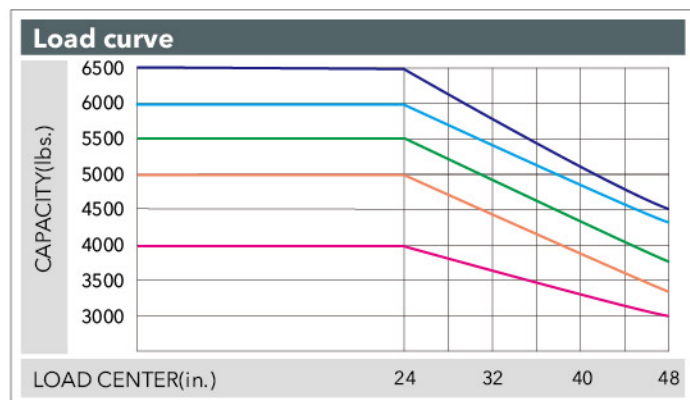
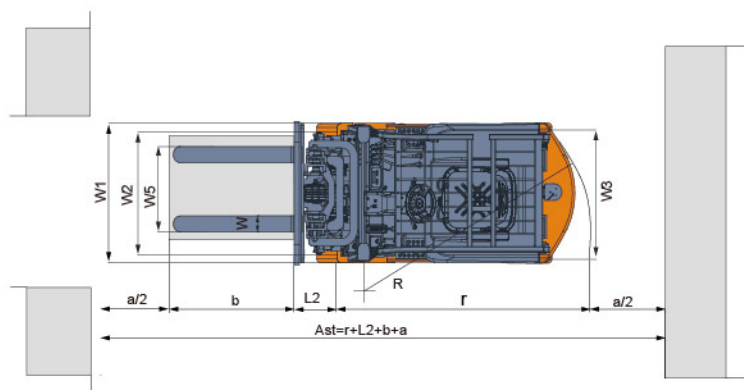
CPD25		CPD30		CPD32	
GB2C/GB2CP		GA2C/GA2CP		GA2C/GA2CP	
5500	2500	6000	3000	6500	2950
24	600	24	500	24	600
electric		electric		electric	
cushion		cushion		cushion	
2x/2		2x/2		2x/2	
185	4700	185	4700	185	4700
224	5689	234	5933	234	5933
44	1117	39	990	39	990
42×4.8×1.57	1070×122×40	42×4.9×1.77	1070×125×45	42×4.9×1.77	1070×125×45
9.65/38.4	245/975	9.84/38.4	250/975	9.84/38.4	250/975
6/5		6/5		6/5	
89.2/131.3	2265/3335	91.4/133.6	2323/3393	92.2/134.3	2341/3411
44	1122	44	1122	44	1122
84	2135	88	2230	88	2230
88.5	2248	88.5	2248	88.5	2248
48.7	1238	48.7	1238	48.7	1238
10.2	258	10.2	258	10.2	258
77.8	1977	79.6	2021	80.2	2037
17.5	445	18.1	460	18.1	460
88.8	2255	89.3	2267	89.9	2283
8.1/8.5	13/14	8.1/8.5	13/14	8.1/8.5	13/14
10.6/10.6	17/17	10.6/10.6	17/17	10.6/10.6	17/17
57.1/98.4	290/500	53.1/84.6	270/430	53.1/84.6	270/430
78.7/118.1	400/600	68.9/95.9	350/487	68.9/95.9	350/487
88.6/78.7	450/400	88.6/78.7	450/400	88.6/78.7	450/400
17/20		15/20		15/20	
3964/3319	1800/1507	3964/3526	1800/1601	3964/3526	1800/1601
10826	4915	11377	5165	11597	5265
14674 / 1659	6662 / 753	15480 / 1910	7028 / 867	16220 / 1874	7364 / 851
5075 / 5749	2304 / 2610	4998 / 6377	2269 / 2895	4892 / 6703	2221 / 3043
21x8-15		21x8-15		21x8-15	
16x6-10.5		16x6-10.5		16x6-10.5	
57	1440	57	1440	57	1440
36.0	915	36.0	915	36.0	915
36.2	920	36.2	920	36.2	920
3.7	95	3.7	95	3.7	95
4.3	110	4.3	110	4.3	110
Hydraulic-Foot Pedal / Hydraulic-Foot Pedal		Hydraulic-Foot Pedal / Hydraulic-Foot Pedal		Hydraulic-Foot Pedal / Hydraulic-Foot Pedal	
1540	55	1540	55	1540	55
1110	53	1110	53	1110	53
3100	1410	3100	1410	3100	1410
3970	1800	3970	1800	3970	1800
39.25x30.70x24.6	997x880x625	39.25x34.64x24.6	997x880x625	39.25x34.64x24.6	997x880x625
11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5	11.3/20.8	8.4/15.5
22.1/26.8	16.5/20	22.1/26.8	16.5/20	22.1/26.8	16.5/20
MOSFET/AC		MOSFET/AC		MOSFET/AC	
MOSFET/AC		MOSFET/AC		MOSFET/AC	
2030	14	2030	14	2030	14



Ast: Right angle stacking aisle width

a: Clearance

b: Load Length



CPD32-GA

CPD30-GA

CPD25-GB

CPD25-GA

CPD20-GA

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 39.37in 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.

Battery and Compartment Specifications

Model		Compartment size	Battery Specifications				
			Electrical			Size(Max)	
			Volts	Plates	Capacity (Max)6Hr	DimX DimY DimZ in	Min weight lbs
CPD20/25-GA2C(P)	A1	39.25x30.70x24.6	36	25	1320	38.33x29.33x22.81	2600
	A2	39.25x30.70x23.81	48	19	990	38.33x30.02x22.81	
CPD25-GB2C(P) CPD30-32-GA2C(P)	A1	39.25x34.64x24.6	36	29	1540	38.41x33.72x22.81	3100
	A2	39.25x34.64x23.81	48	21	1100	38.33x32.72x22.81	

P: The model with battery side-traction
A1: No Battery side-traction
A2: With Battery side-traction

Battery Connector:
36 volt - Grey SB®350 (Anderson Power Products® P/N 6320G1 or equivalent)
48 volt - Blue SB®350 (Anderson Power Products® P/N 6321G1 or equivalent)
Battery Lead: 2/0 AWG

4000–6500lb WIDE VIEW FULL FREE 3-STAGE MAST

Mast Type	Maximum Fork Height	Load Capacity at 24" Load Center(lbs.)			Overall Height	Freelift (With Backrest)		Tilt Range	Service Weight(unload)					
		CPD20-GA	CPD25-GA	CPD25-GB	CPD20/25-GA CPD25-GB	CPD20/25-GA CPD25-GB	CPD20-GA		CPD25-GA		CPD25-GB			
		in/mm	lbs/kg	lbs/kg	lbs/kg	in	in		lbs	kg	lbs	kg	lbs	kg
ZSM360	141/3600	4000/1820	5000/2270	5500/2500	70.1	29.9	6\5	9000	4086	9728	4416	10591	4808	
ZSM400	157/4000	4000/1820	5000/2270	5500/2500	75	34.8	6\5	9058	4112	9786	4443	10688	4853	
ZSM435	171/4350	4000/1820	4856/2250	5500/2500	79.9	39.7	6\5	9137	4148	9865	4479	10761	4886	
ZSM450	177/4500	4000/1820	4912/2230	5500/2500	82.5	42.3	6\5	9165	4161	9893	4491	10771	4890	
ZSM470	185/4700	4000/1820	4846/2200	5390/2450	84.4	44.2	6\5	9201	4177	9929	4508	10827	4915	
ZSM480	189/4800	4000/1820	4736/2150	5280/2400	85.8	45.6	6\5	9220	4186	9948	4516	10855	4928	
ZSM500	196/5000	3920/1780	4626/2100	5240/2380	89.8	49.6	6\5	9271	4209	9998	4539	10899	4948	
ZSM540	212/5400	3810/1730	4405/2000	4950/2250	94.7	54.5	3\5	9341	4241	10068	4571	10988	4988	
ZSM600	236/6000	3520/1600	3965/1800	4620/2100	103.5	63.3	3\5	9494	4310	10222	4641	11204	5087	
ZSM650	256/6500	2500/1135	2900/1316	3000/1362	111	70.8	3\3	9593	4355	10322	4686	11304	5132	
ZSM700	275/7000	1700/770	1800/817	1900/862	121.6	81.4	3\3	9729	4417	10458	4748	11441	5194	

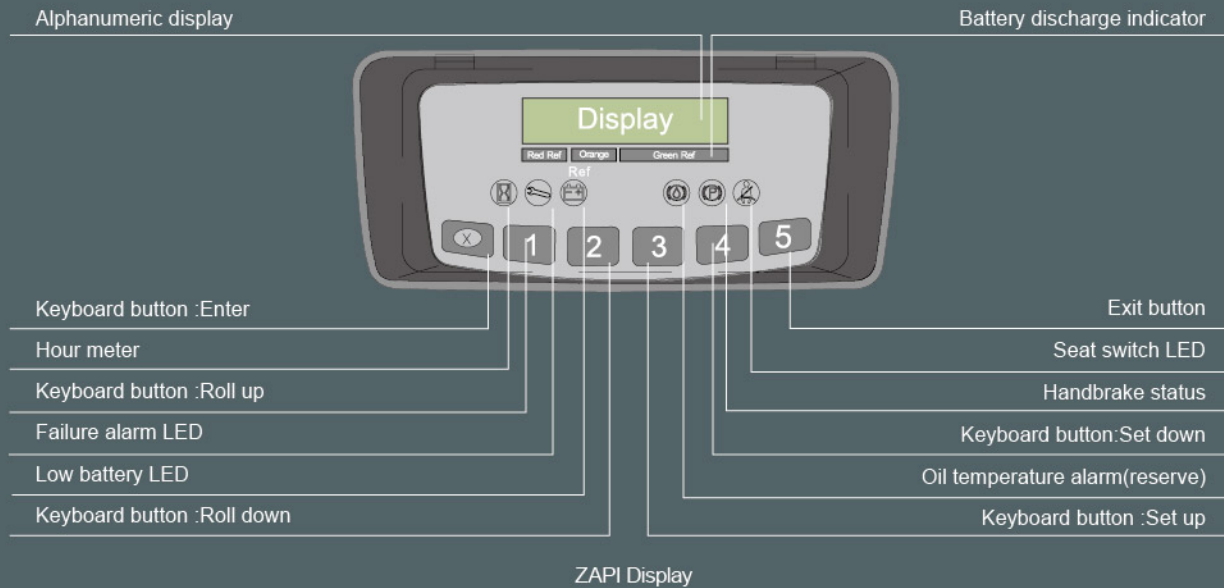
4000–6500lb WIDE VIEW FULL FREE 3-STAGE MAST

Mast Type	Maximum Fork Height	Load Capacity at 24" Load Center(lbs.)		Overall Height		Tilt Range	Service Weight(unload)			
		CPD30-GA	CPD32-GA	CPD30/32-GA	CPD30/32-GA		CPD30-GA		CPD32-GA	
		lbs/kg	lbs/kg	in	in		lbs	kg	lbs	kg
	in/mm									
ZSM360	141/3600	6000/2730	6500/2950	74	24.5	6\5	11142	5058	11362	5158
ZSM400	157/4000	6000/2730	6500/2950	79.3	29.8	6\5	11239	5103	11459	5203
ZSM435	171/4350	6000/2730	6500/2950	83.8	34.3	6\5	11312	5136	11532	5236
ZSM450	177/4500	6000/2730	6460/2930	85.8	36.3	6\5	11321	5140	11542	5240
ZSM470	185/4700	6000/2730	6390/2900	87.8	38.3	6\5	11377	5165	11598	5265
ZSM480	189/4800	5940/2700	6280/2850	89.8	40.3	6\5	11405	5178	11626	5278
ZSM500	196/5000	5840/2650	6230/2830	92.1	42.6	6\5	11450	5198	11670	5298
ZSM540	212/5400	5500/2500	6010/2730	98	48.5	3\5	11539	5238	11759	5338
ZSM600	236/6000	5170/2350	5060/2300	106.5	57	3\5	11754	5337	11975	5437
ZSM650	256/6500	3300/1500	3700/1680	113.8	64.3	3\3	11855	5382	12075	5482
ZSM700	275/7000	2000/910	2100/950	123.6	74.1	3\3	11991	5444	12211	5544

Note: CPD20/25 free lift height (without backrest) +14.2 in;
CPD30/32 free lift height (without backrest) +19.5 in;

For other mast options, please contact your authorized heli dealer.

Instrument Panel



Standard configuration

185" 3-stage full free lift mast.	Back up handle with horn button
Three-spool control valve	Standard fork
Hose block and tackle	Warning lights (Flicker)
Hang on side shifter	Tilt cylinder (6 fwd/ 5 back)
ZAPI Mosfet electronic travel controllers and lifting controller	Smooth cushion tires
Engage IV/ Smart display	Front combo lights(LED)
Traveling OPS control system	Rear combo lights(LED)
DC-DC converter	Back-up alarm
AC pump motor	Tow pin
U.S. standard screw thread	Automatic deceleration when steering
Load backrest	Side view mirror
36V system	

Optional

10°/5°(forward/rear) tilt for special mast	Lifting OPS control system
2-stage mast	Battery charger
Integral sideshift	
Nonstandard forks in length	
Other attachments	
Warning lights (Buzzer)	
48V system	
Higher or lower height overhead guard	
Battery side-pull	
Rear work light	
Various type tires	

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Some of the photos may include optional equipment. Please consult your dealer for specifications. Details of specifications and equipment are based on information available at time of printing and may change without notice.

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