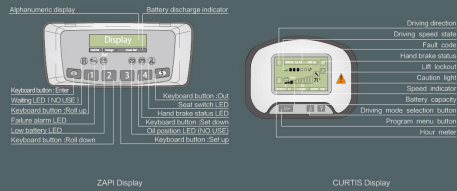


HELI

G2 series



- |  |                                     |
|--|-------------------------------------|
| <b>Standard configuration</b>                | <b>Optional</b>                     |
| Wide view standard mast                      | Cab                                 |
| Standard fork                                | Side shifter                        |
| Class II standard carriage                   | Rotorator                           |
| Load backrest                                | Load stabilizer                     |
| Two-speed control valve                      | LED Warning lights(rotating/buzzer) |
| Battery                                      | coloring tires(white/green)         |
| Standard seat                                | Rear work light                     |
| Overhead guard                               | Steel fence                         |
| Overhead guard rain cover                    | Long forks                          |
| LCD combined display                         | Accessory hydraulic component       |
| Solid tires                                  | Tire cylinder protection sleeve     |
| Traction pin                                 | Customer color                      |
| LED signal light, LED warning light(fishing) | Battery lifting sling               |
| Back-up alarm                                | Battery side-pull                   |
| Automatic steering slow down device          | Finger tips                         |
| Automatic Parking                            |                                     |
| Driver's tool                                |                                     |



AUTHORIZED DEALER

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 Heli (China) Forklift Co., Ltd.

HELI  
 LIFTING THE FUTURE

HELI FORK LIFT MANUFACTURER AND SALES  
 IN CHINA AND OVERSEAS BY HANGCHA GROUP SINCE 1959



1.5-2t  
 G2 series Three Wheel  
 AC Electric Forklift Truck

G2 1.5-2t G2 series Three Wheel AC Electric Forklift Truck

COMFORTABLE

- ✓ Magnetic brake on driving axle, the truck can automatic parking in slope or flat.
- ✓ Rear handle with horn function contributes to stable sitting pose when travelling backward and driving comfort and safety.
- ✓ Automobile type double combined switch effectively improve driving comfort level.
- ✓ Open the battery hood without operate the handle lever.
- ✓ Sensor operated power steering (option) , more comfortable.
- ✓ Side battery as option, easy replacement.
- ✓ Finger switch as option, more speedy operation.

IMPROVED DRIVER'S VIEW

- ✓ Newly designed wide-view mast with special chains enlarges operator's view effectively.
- ✓ Large arc shape of the overhead guard and grid tray with proper angle increase operator's support view.

SAFETY

- ✓ Better loading capacity at high position.
- ✓ automatic deceleration on curved road, more intelligent and safe.
- ✓ Standard configuration of warning light and drive OPS system improve whole truck's safety.

WORKING EFFICIENCY

- ✓ Small turning radius makes steering flexible and easy.
- ✓ The truck has fast driving and lifting speed, higher working efficiency.
- ✓ Three speed mode, high performance.
- ✓ Larger battery capacity for longer single shift time.



ENERGY EFFICIENCY

- ✓ With optimized hydraulic system, the truck is more energy-efficient and has lower energy consumption.
- ✓ Save more than 80% lighting energy with LED lights.
- ✓ Motor regenerative braking can recycle more electric energy.

MAINTAINABILITY

- ✓ The cover can be disassembled easily, contributes to quick and convenient maintenance.



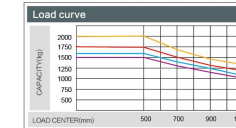
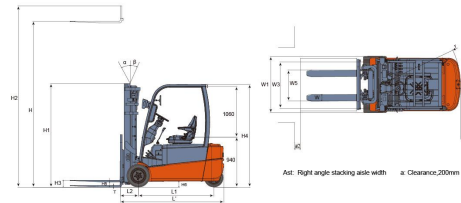
# G2 1.5-2t G2 series Three Wheel AC Electric Forklift Truck



## Manufacturer's Data and Design Characteristics

Characteristics		HELI				
Model Designation		CPD15	CPD16	CPD18	CPD18	CPD20
1.01 Manufacturer's Name		HELI				
1.02 Configuration Number		SO-GB1GB2(P)	SQ-GB1GB2(P)	SQ-GB1GB2(P)	SQ-GD1GD2(P)	SQ-GD1GD2(P)
1.04 Load Capacity	Q (kg)	1500	1600	1750	2000	2000
1.05 Load Center	c (mm)	500	500	500	500	500
1.06 Power Type	Battery	Battery	Battery	Battery	Battery	Battery
1.07 Operator Type	Seated	Seated	Seated	Seated	Seated	Seated
1.08 Wheelbase	L1 (mm)	1292	1400	1400	1508	1508
<b>Wheels &amp; Tyres</b>						
2.01 Type		Pneumatic	Pneumatic	SE/Pneumatic	Pneumatic	Pneumatic
2.02 Tyres Number (Front/Rear)		2/2	2/2	2/2	2/2	2/2
2.03 Tread (centre of tyre)/front	W3 (mm)	910	910	920	920	920
2.04 Tread (centre of tyre)/rear	W2 (mm)	183	183	180	180	180
2.05 Tyre Size, Front		18×7-8	18×7-8	200R9-10	200R9-10	200R9-10
2.06 Tyre Size, Rear		15×4.5-8	15×4.5-8	140R55-9	140R55-9	140R55-9
<b>Dimensions</b>						
3.01 Load Distance	L2 (mm)	365	365	365	365	365
3.02 Mast Tilt Angle, F/R	a/β (°)	5/7	5/7	5/7	5/7	5/7
3.03 Height with Mast Lowered	H1 (mm)	2175	2175	2175	2175	2175
3.04 Free Lift	H5 (mm)	90	90	90	90	90
3.05 Standard Lift Height	H (mm)	3300	3300	3300	3300	3300
3.06 Height with Mast Extended	H2 (mm)	4039	4039	4039	4039	4039
3.07 Overhead Guard Height	H4 (mm)	2040	2040	2040	2040	2040
3.08 Fork Size T × W × L	L4/W1/T1 (mm)	35 × 100 × 920	35 × 100 × 920	35 × 100 × 920	35 × 100 × 920	40 × 122 × 920
3.09 Fork Carriage to DIN 15173 A/B		2A	2A	2A	2A	2A
3.10 Length to fork face	r (mm)	1942	1950	2058	2058	2058
3.11 Overall Width	W1 (mm)	1060	1060	1120	1120	1120
3.12 Outside Turning Radius	r (mm)	1477	1585	1585	1693	1703
3.13 Ground Clearance at mast (Loaded)	H6 (mm)	85	85	90	90	90
3.14 Ground Clearance at centre of wheelbase (Loaded)	H6 (mm)	100	100	100	100	100
3.15 Total Approximate Weight (W/O battery)	kg	3000/2250	3200/2300	3300/2400	3300/2300	3450/2400
3.16 Axle Loading*, Unloaded/Front/Rear	kg	1480/1520	1550/1650	1600/1700	1630/1720	1630/1820
3.17 Axle Loading*, Loaded/Front/Rear	kg	3990/510	4250/550	4400/590	4400/700	4780/670
3.18 Max. draw bar pull with load	N	15300	15300	15300	17000	17000
3.19 Lateral Fork Adjustment (Outside of Forks) Max./Min.	W5 (mm)	960/200	960/200	1030/200	1030/200	1030/245
<b>Performances</b>						
4.01 Travel Speed, loaded/unloaded	km/h	16/16	16/16	16/16	16/16	16/16
4.02 Lifting Speed, loaded/unloaded	m/s	0.38/0.6	0.43/0.6	0.43/0.6	0.43/0.6	0.40/0.6
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
4.04 Gradient performance with loaded	%	20	20	20	20	20
4.05 Max. draw bar pull with load	N	15300	15300	15300	17000	17000
5.01 Total Approximate Weight (W/O battery)	kg	3000/2250	3200/2300	3300/2400	3300/2300	3450/2400
5.02 Axle Loading*, Unloaded/Front/Rear	kg	1480/1520	1550/1650	1600/1700	1630/1720	1630/1820
5.03 Axle Loading*, Loaded/Front/Rear	kg	3990/510	4250/550	4400/590	4400/700	4780/670
6.01 Battery Voltage/named capacity(Sh)	V/Ah	48/480	48/600	48/600	48/720	48/720
6.02 battery weight	kg	680(600-850)	895(800-1000)	895(800-1000)	1064(900-1200)	1064(900-1200)
6.03 Battery to DIN 43531/35/36/A/B/C		43531A	43531A	43531A	43531A	43531A
<b>Motor &amp; Controller</b>						
7.01 Drive Motor – 60 Min. Rating	kW	4.7/2	4.7/2	4.7/2	4.7/2	4.7/2
7.02 Pump Motor – 15 Min. Rating	kW	11	17.6	17.6	17.6	17.6
7.03 Drive Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04 Pump Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.05 Service Brake/Parking Brake		Electro/Electric	Electro/Electric	Electro/Electric	Electro/Electric	Electro/Electric
7.06 Relief Pressure	Mpa	17.5	17.5	17.5	17.5	17.5

NOTE: Detailed information about battery, please contact our salesmen or engineer. \*P: Battery side extraction (side pulling or side loading), side pulling for standard.



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 cube with 100mm edge length. When mast is lifted 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.

MODEL	COMPARTMENT SIZE		BATTERY SPECIFICATIONS	
	WD × LG × HT	SIZE	STANDARD	
CPD15SQ-GB	845X532X660	830X522X627	DIN 43531A	
CPD16SQ-GB/CPD18SQ-GB	845X648X660	830X638X627	DIN 43531A	
CPD18SQ-GD/CPD20SQ-GD	845X748X660	830X738X627	DIN 43531A	

**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 RESERVE**

Mast model	Max. Lift height (mm)	Capacity at 500mm load center					Tilting Angle (°/s)	service weight(kg)					max weight	
		1.5t	1.6t	1.8t	1.8t-β	2.0t		1.5-2t	1.5t	1.6t	1.8t	1.8t-β		2.0t
M2000	2000	1500	1600	1750	1750	2000	1025	5.7	2957	3131	3231	3281	3381	408.4
M2050	2500	1500	1600	1750	1750	2000	1175	5.7	2957	3167	3257	3307	3407	434.9
M3000	3000	1500	1600	1750	1750	2000	2025	5.7	2964	3184	3284	3334	3434	461.4
M3050	3500	1500	1600	1750	1750	2000	2175	5.7	3050	3260	3360	3410	3510	477.5
M3500	3500	1500	1600	1750	1750	2000	2275	5.7	3010	3210	3310	3360	3460	487.7
M3700	3700	1500	1600	1750	1750	2000	2375	5.7	3024	3224	3324	3374	3474	501.4
M4000	4000	1500	1600	1750	1750	1950	2575	3.5	3088	3288	3388	3438	3538	545.1
M4250	4250	1500	1600	1750	1750	1900	2700	3.5	3081	3281	3381	3431	3531	568.1
M4500	4500	1400	1500	1700	1700	1850	2825	3.5	3094	3294	3394	3444	3544	571.2
M4500	5000	1300	1400	1600	1600	1700	3075	3.5	3120	3320	3420	3470	3570	597.7
M5500	5500	1100	1200	1400	1400	1400	3375	3.3	3201	3401	3501	3551	3651	678.5
M6000	6000	800	900	1000	1000	1100	3625	3.3	3230	3430	3530	3580	3680	707

Mast model	Max. Lift height (mm)	Capacity at 500mm load center					Free lift height (mm)	Tilting Angle (°/s)	service weight(kg)					max weight	
		1.5t	1.6t	1.8t	1.8t-β	2.0t			1.5-2t	1.5t	1.6t	1.8t	1.8t-β		2.0t
ZM2050	2000	1500	1600	1750	1750	2000	1025	4.76	5.7	2962	3162	3262	3312	3412	430
ZM2550	2500	1500	1600	1750	1750	2000	1175	7.26	5.7	2960	3160	3260	3310	3410	457.5
ZM3050	3000	1500	1600	1750	1750	2000	2025	6.76	5.7	3019	3219	3319	3369	3469	496
ZM3550	3500	1500	1600	1750	1750	2000	2175	11.26	5.7	3036	3236	3336	3386	3486	513.5
ZM4050	4000	1500	1600	1750	1750	2000	2275	12.26	5.7	3047	3247	3347	3397	3497	524.5
ZM4700	4700	1350	1450	1650	1650	1750	2100	11.11	3.5	3208	3408	3508	3558	3658	685
ZM4800	4800	1350	1450	1650	1650	1750	2190	11.41	3.5	3214	3414	3514	3564	3664	691
ZM5000	5000	1200	1300	1500	1500	1600	2290	12.41	3.5	3204	3404	3504	3554	3654	711
ZM5400	5400	1050	1150	1350	1350	1400	2425	13.76	3.3	3262	3462	3562	3612	3712	739
ZM5800	6000	800	900	1000	1000	1100	2640	15.61	3.3	3360	3560	3660	3710	3810	782
ZM5800	6500	700	800	900	900	1000	2830	17.61	3.3	3443	3643	3743	3793	3893	820

NOTE: 1.5-2T free lift height 366mm increased without battery.

Mast model	Max. Lift height (mm)	Capacity at 500mm load center					Free lift height (mm)	Tilting Angle (°/s)	service weight(kg)					max weight	
		1.5t	1.6t	1.8t	1.8t-β	2.0t			1.5-2t	1.5t	1.6t	1.8t	1.8t-β		2.0t
ZM5300	3000	1500	1600	1750	1750	2000	1190	7.41	3.5	3133	3333	3433	3483	3583	610
ZM4400	4000	1500	1600	1750	1750	2000	1025	6.76	3.5	3160	3360	3460	3510	3610	637
ZM4455	4350	1400	1500	1700	1700	1800	2040	6.91	3.5	3184	3384	3484	3534	3634	661
ZM4600	4600	1400	1500	1700	1700	1800	2090	10.41	3.5	3184	3384	3484	3534	3634	671
ZM4700	4700	1350	1450	1650	1650	1750	2100	11.11	3.5	3208	3408	3508	3558	3658	685
ZM4800	4800	1350	1450	1650	1650	1750	2190	11.41	3.5	3214	3414	3514	3564	3664	691
ZM5000	5000	1200	1300	1500	1500	1600	2290	12.41	3.5	3204	3404	3504	3554	3654	711
ZM5400	5400	1050	1150	1350	1350	1400	2425	13.76	3.3	3262	3462	3562	3612	3712	739
ZM5800	6000	800	900	1000	1000	1100	2640	15.61	3.3	3360	3560	3660	3710	3810	782
ZM5800	6500	700	800	900	900	1000	2830	17.61	3.3	3443	3643	3743	3793	3893	820

NOTE: 1.5-2T free lift height 366mm increased without battery when assemble with pulley block.