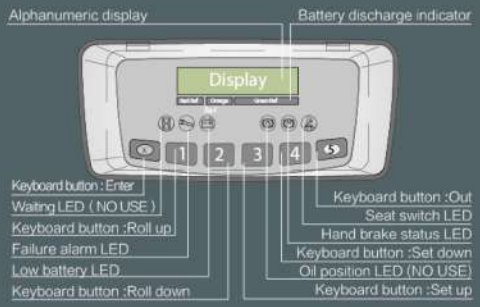
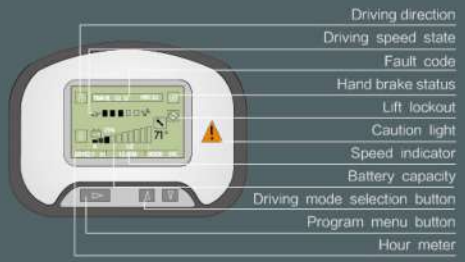
GROS

G2 series



ZAPI Display



CURTIS Display

Standard configuration

Wide view standard mast
Standard fork
Class II standard carriage
Load backrest
Two-spool control valve
Battery
Standard seat
Overhead guard
Overhead guard rain cover
LCD combined display
Solid tires
Traction pin
LED signal light、LED warning light(flashing)
Back-up alarm
Automatic steering slow down device
Automatic Packing
Drive's tool

Optional

Cab
Side shifter
Rotator
Load stabilizer
LED Warning lights(rotating/buzzer)
Coloring tires(white/green)
Rear work light
Steel fence
Long forks
Accessory hydraulic component
Tilt cylinder protection sleeve
Customer color
Battery lifting sling
Battery side-pull
Finger tips

Manufacturer: ANHUI HELI CO., LTD.

AUTHORIZED DEALER

* Details of specifications and equipment are based on information available at the time of printing and may change without notice.

1.5-2 t

G2 series Three Wheel AC Electric Forklift Truck



GROS

G2 series / INTELLIGENT ENVIRONMENT-FRIENDLY

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

G2 series / INTELLIGENT ENVIRONMENT-FRIENDLY

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 direction switch effectively improve driving comfort level.
- ✓ 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 upward 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 safely.



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.



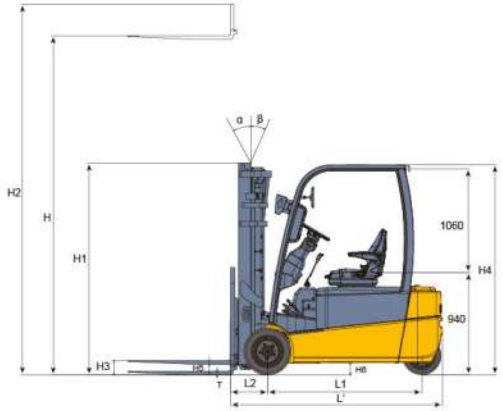
1.5-2 t G2 series Three Wheel AC Electric Forklift Truck

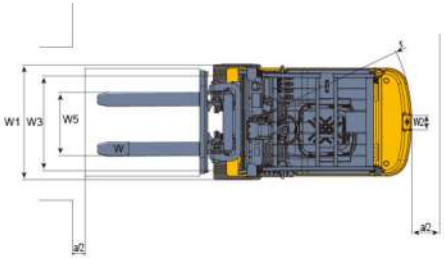
Manufacturer's Data and Design Characteristics

	Characteristics						
1.01	Manufacture's Name		ANHUI HELI CO., LTD.				
1.02	Model Designation		CPD15	CPD16	CPD18	CPD18	CPD20
1.03	Configuration Number		SQ-GB1/GB2(P)	SQ-GB1/GB2(P)	SQ-GB1/GB2(P)	SQ-GD1/GD2(P)	SQ-GD1/GD2(P)
1.04	Load Capacity	Q (kg)	1500	1600	1750	1750	2000
1.05	Load Center	c (mm)	500	500	500	500	500
1.06	Power Type		Battery	Battery	Battery	Battery	Battery
1.07	Operator Type		Seated	Seated	Seated	Seated	Seated
1.08	Wheelbase	L1 (mm)	1292	1400	1400	1508	1508
	Wheels & Tyres						
2.01	Tyre Type		SE	SE	SE	SE	SE
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)	163	163	180	180	180
2.05	Tyre Size, Front		18×7-8	18×7-8	200/50-10	200/50-10	200/50-10
2.06	Tyre Size, Rear		15×4.5-8	15×4.5-8	140/55-9	140/55-9	140/55-9
	Dimensions						
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	H3 (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)	4345	4345	4345	4345	4345
3.07	Overhead Guard Height	H4 (mm)	2040	2040	2040	2040	2040
3.08	Fork Size T×W×L	L4/W/T(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	l' (mm)	1842	1950	1950	2058	2068
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	H5 (mm)	85	85	90	90	90
3.14	Ground Clearance at centre of wheelbase ,Loaded	H6 (mm)	100	100	100	100	100
3.15	Right Stack Aisle width (Pallet size 1000x1000mm, clearance:200mm)	Ast (mm)	3130	3238	3238	3346	3356
3.16	Right Stack Aisle width (Pallet size 1200x1200mm, clearance:200mm)	Ast (mm)	3353	3461	3461	3569	3579
3.17	Lateral Fork Adjustment (Outside of Forks) Max./Min.	W5 (mm)	960/200	960/200	1030/200	1030/200	1030/245
	Performances						
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	0.40/0.60
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
	Weight						
5.01	Total Approximate Weight(W/O battery)	kg	3000/2280	3200/2300	3300/2400	3350/2300	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	4400/650	4400/700	4780/670
	Battery						
6.01	Battery Voltage/rated capacity(5h)	V/Ah	48/440	48/600	48/600	48/720	48/720
6.02	battery weight	kg	680(660-850)	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
	Motor & Controller						
7.01	Drive Motor - 60 Min. Rating	kW	6x2	6x2	6x2	6x2	6x2
7.02	Pump Motor - S3 15% Rating	kW	11	11	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		Electric/Electric	Electric/Electric	Electric/Electric	Electric/Electric	Electric/Electric
7.06	Relief Pressure	Mpa	17.5	21	17.5	17.5	17.5

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

G2 series / INTELLIGENT ENVIRONMENT-FRIENDLY

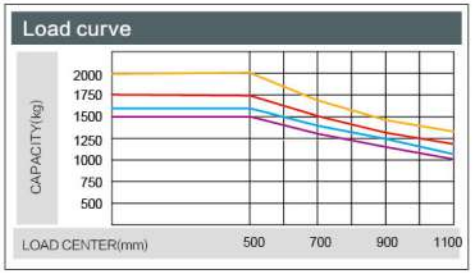




Ast: Right angle stacking aisle width a: Clearance,200mm

WIDE VIEW MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm;load center 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t	1.5-2t	Tilting Angle (α/β)	service weight(Kg) 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t
M200	2000	1500	1600	1750	1750	2000	1525	5-7	2931	3131	3231	3281	3381
M250	2500	1500	1600	1750	1750	2000	1775	5-7	2957	3157	3257	3307	3407
M300	3000	1500	1600	1750	1750	2000	2025	5-7	2984	3184	3284	3334	3434
M330	3300	1500	1600	1750	1750	2000	2175	5-7	3000	3200	3300	3350	3450
M350	3500	1500	1600	1750	1750	2000	2275	5-7	3010	3210	3310	3360	3460
M370	3700	1500	1600	1750	1750	2000	2375	5-7	3024	3224	3324	3374	3474
M400	4000	1500	1600	1750	1750	1950	2575	3-5	3068	3268	3368	3418	3518
M425	4250	1500	1600	1750	1750	1900	2700	3-5	3081	3281	3381	3431	3531
M450	4500	1400	1500	1700	1700	1850	2825	3-5	3094	3294	3394	3444	3544
M500	5000	1300	1400	1600	1600	1700	3075	3-3	3120	3320	3420	3470	3570
M550	5500	1100	1200	1400	1400	1400	3375	3-3	3201	3401	3501	3551	3651
M600	6000	800	900	1000	1000	1100	3625	3-3	3230	3430	3530	3580	3680



CPD15 CPD16 CPD18 CPD20

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 FULL FREE 2-STAGE MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm;load center 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t	Height with mast lowered (mm) 1.5-2t	Free lift (with Backrest) 1.5-2t	Tilting Angle (α/β)	service weight(Kg) 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t
ZM200	2000	1500	1600	1750	1750	2000	1525	510	5-7	2962	3162	3262	3312	3412
ZM250	2500	1500	1600	1750	1750	2000	1775	760	5-7	2990	3190	3290	3340	3440
ZM300	3000	1500	1600	1750	1750	2000	2025	1010	5-7	3019	3219	3319	3369	3469
ZM330	3300	1500	1600	1750	1750	2000	2175	1160	5-7	3036	3236	3336	3386	3486
ZM350	3500	1500	1600	1750	1750	2000	2275	1260	5-7	3047	3247	3347	3397	3497
ZM370	3700	1500	1600	1750	1750	2000	2375	1360	5-7	3062	3262	3362	3412	3512
ZM400	4000	1500	1600	1750	1750	1950	2575	1560	3-5	3106	3306	3406	3456	3556

NOTE：1.5-2T:free lifted height 394mm increased without backrest.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm;load center 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t	Height with mast lowered (mm) 1.5-2t	Free lift (with Backrest) 1.5-2t	Tilting Angle (α/β)	service weight(Kg) 1.5t	1.6t	1.8t	1.8t-long wheelbase	2.0t
ZSM360	3600	1500	1600	1750	1750	2000	1790	775	3-5	3133	3333	3433	3483	3583
ZSM400	4000	1500	1600	1750	1750	2000	1925	910	3-5	3160	3360	3460	3510	3610
ZSM435	4350	1400	1500	1700	1700	1900	2040	1025	3-5	3184	3384	3484	3534	3634
ZSM450	4500	1400	1500	1700	1700	1850	2090	1075	3-5	3194	3394	3494	3544	3644
ZSM470	4700	1350	1450	1650	1650	1750	2160	1145	3-5	3208	3408	3508	3558	3658
ZSM480	4800	1350	1450	1650	1650	1750	2190	1175	3-5	3214	3414	3514	3564	3664
ZSM500	5000	1200	1300	1600	1600	1700	2290	1275	3-3	3234	3434	3534	3584	3684
ZSM540	5400	1050	1150	1250	1250	1400	2425	1410	3-3	3262	3462	3562	3612	3712
ZSM600	6000	800	900	1000	1000	1100	2640	1625	3-3	3305	3505	3605	3655	3755
ZSM650	6500	700	800	900	900	1000	2830	1815	3-3	3343	3543	3643	3693	3793

NOTE：1.5-2T:free lifted height 364mm increased without backrest.
1.5-2T:free lifted height 364mm increased without backrest when assemble with pulley block.

BATTERY COMPARTMENT SIZE

MODEL	COMPARTMENT SIZE WD×LG×HT	BATTERY SPECIFICATIONS SIZE	STANDARD
CPD15SQ-GB	845X532X660	830X522X627	DIN 43531A
CPD16SQ-GB CPD18SQ-GB	845X640X660	830X630X627	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 INCRERSES