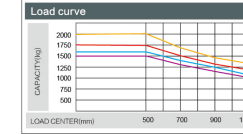
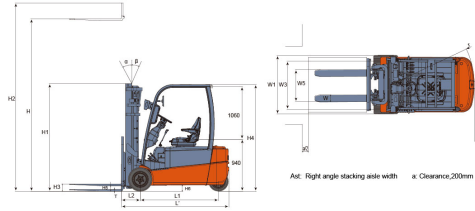


# G2 1.5-2t G2 series Three Wheel AC Electric Forklift Truck

## Manufacturer's Data and Design Characteristics

Characteristics		HELI				
1.01	Manufacturer's Name	CPD15	CPD16	CPD18	CPD18	CPD20
1.02	Model Designation	SQ-GB1(GB2(P))	SQ-GB1(GB2(P))	SQ-GB1(GD2(P))	SQ-GB1(GD2(P))	SQ-GD1(GD2(P))
1.04	Load Capacity	1500	1600	1750	1750	2000
1.05	Load Center	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
<b>Wheels &amp; Tyres</b>						
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
2.04	Tread/centre of tyre, rear	W2 (mm)	163	163	180	180
2.05	Tyre Size, Front		18×7-8	18×7-8	20050-10	20050-10
2.06	Tyre Size, Rear		15×4.5-8	15×4.5-8	14095-9	14095-9
<b>Dimensions</b>						
3.01	Load Distance	L2 (mm)	365	365	365	365
3.02	Mast Til Angle, F/R	θ (°)	5/7	5/7	5/7	5/7
3.03	Height with Mast Lowered	H1 (mm)	2175	2175	2175	2175
3.04	Free Lift	H3 (mm)	90	90	90	90
3.05	Standard Lift Height	H (mm)	3300	3300	3300	3300
3.06	Height with Mast Extended	H2 (mm)	4039	4039	4039	4039
3.07	Overhead Guard Height	H4 (mm)	2040	2040	2040	2040
3.08	Fork Size T × W × L	L4/W1(mm)	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	f (mm)	1642	1650	1650	2058
3.11	Overall Width	W (mm)	1060	1060	1120	1120
3.12	Outside Turning Radius	r (mm)	1477	1585	1585	1693
3.13	Ground Clearance at mast ↓ loaded	H5 (mm)	85	85	90	90
3.14	Ground Clearance at centre of wheelbase ↓ loaded	H6 (mm)	100	100	100	100
3.15	Right Stack Axis with 100mm clearance	Aat (mm)	3130	3238	3238	3346
3.16	Left Stack Axis with 100mm clearance	Aat (mm)	3353	3461	3569	3677
3.17	Lateral Fork Adjustment (Outside of Forks) Max./Min.	W5 (mm)	950/200	900/200	1000/200	1000/200
<b>Performances</b>						
4.01	Travel Speed, loaded/unloaded	km/h	16/16	16/16	16/16	16/16
4.02	Lifting Speed, loaded/unloaded	m/s	0.380/6	0.430/6	0.430/6	0.400/6
4.03	Lowering Speed, loaded/unloaded	m/s	0.500/40	0.500/40	0.500/40	0.500/40
4.04	Gradient performance with load	%	20	20	20	20
4.05	Max. draw bar pull with load	N	15300	15300	15300	17000
<b>Weight</b>						
5.01	Total Approximate Weight(W/O battery)	kg	3000/2250	3200/2300	3300/2300	3350/2400
5.02	Axis Loading*, Unloaded, Front/Rear	kg	1480/1520	1550/1650	1600/1700	1630/1820
5.03	Axis Loading*, Loaded, Front/Rear	kg	3990/510	4250/550	4400/550	4400/700
<b>Battery</b>						
6.01	Battery Voltage/rated capacity(SH)	V/Ah	48/440	48/500	48/600	48/720
6.02	Battery weight	kg	880(860-850)	895(880-1000)	895(880-1000)	1064(900-1200)
6.03	Battery to DIN 43531/35/36A/B/C		43531A	43531A	43531A	43531A
<b>Motor &amp; Controller</b>						
7.01	Drive Motor – 60 Min. Rating	kW	4.7x2	4.7x2	4.7x2	4.7x2
7.02	Pump Motor – 53 15% Rating	kW	11	11	11	11
7.03	Drive Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04	Pump Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
7.05	Service Brake/Parking Brake		Electric/Electric	Electric/Electric	Electric/Electric	Electric/Electric
7.06	Relief Pressure	Mpa	17.5	21	17.5	17.5

NOTE: (1)Detailed information about battery, please contact our salesman 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.



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 cube 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 chart.

## BATTERY COMPARTMENT SIZE

MODEL	COMPARTMENT SIZE	BATTERY SPECIFICATIONS
	W0-(L)×H	STANDARD
CPD15GB-GB	845X520X680	830X620X627 DIN 43531A
CPD18SQ-GB CPD18SQ-GB	845X640X680	830X630X627 DIN 43531A
CPD18SQ-GD CPD20SQ-GD	845X740X680	830X730X627 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 CHARGES



**G2 series / INTELLIGENT ENVIRONMENT-FRIENDLY**

## WIDE VIEW MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm load center (kg)				Tilting Angle (°)	service weight(Kg)				mast weight		
		1.5t	1.6t	1.8t	2.0t		1.5-2t	1.6t	1.8t	2.0t			
M2000	2000	1500	1600	1750	1750	1525	5.7	2931	3131	3231	3281	3381	408
M2500	2500	1500	1600	1750	1750	1775	5.7	2957	3157	3257	3307	3407	435
M3000	3000	1500	1600	1750	1750	2025	5.7	2984	3184	3284	3334	3434	461
M3300	3300	1500	1600	1750	1750	2025	5.7	3000	3200	3300	3350	3450	478
M3500	3500	1500	1600	1750	1750	2275	5.7	3010	3210	3310	3360	3460	488
M3700	3700	1500	1600	1750	1750	2375	5.7	3024	3224	3324	3374	3474	501
M4000	4000	1500	1600	1750	1750	2575	5.5	3068	3268	3368	3418	3518	545
M4250	4250	1500	1600	1750	1750	2700	3.5	3081	3281	3381	3431	3531	558
M4600	4600	1400	1500	1700	1700	2825	3.5	3094	3294	3394	3444	3544	573
M5000	5000	1300	1400	1600	1600	3075	3.3	3120	3320	3420	3470	3570	598
M5500	5500	1100	1200	1400	1400	3375	3.3	3201	3401	3501	3551	3651	679
M6000	6000	900	900	1000	1000	3625	3.3	3230	3430	3530	3580	3680	737

## WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm load center (kg)				Tilting Angle (°)	service weight(Kg)				mast weight			
		1.5t	1.6t	1.8t	2.0t		1.5-2t	1.6t	1.8t	2.0t				
ZM2000	2000	1500	1600	1750	1750	1525	5.10	2962	3162	3262	3312	3412	439	
ZM2500	2500	1500	1600	1750	1750	1775	5.7	2989	3189	3289	3339	3439	468	
ZM3000	3000	1500	1600	1750	1750	2025	10.10	5.7	3019	3219	3319	3369	3469	496
ZM3300	3300	1500	1600	1750	1750	2025	11.60	5.7	3036	3236	3336	3386	3486	514
ZM3500	3500	1500	1600	1750	1750	2275	13.00	5.7	3047	3247	3347	3397	3497	526
ZM3700	3700	1500	1600	1750	1750	2375	13.60	5.7	3062	3262	3362	3412	3512	539
ZM4000	4000	1500	1600	1750	1750	2575	15.60	3.5	3106	3306	3406	3456	3556	584

NOTE: 1.5-2T free lifted height 304mm increased without backrest.

## WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. Lift height (mm)	Capacity at 500mm load center (kg)				Tilting Angle (°)	service weight(Kg)				mast weight			
		1.5t	1.6t	1.8t	2.0t		1.5-2t	1.6t	1.8t	2.0t				
ZSM3000	3000	1500	1600	1750	1750	1790	7.70	3.5	3133	3333	3433	3483	3583	610
ZSM4000	4000	1500	1600	1750	1750	2025	9.10	3.5	3160	3360	3460	3510	3610	637
ZSM4350	4350	1400	1500	1700	1700	2040	10.25	3.5	3184	3384	3484	3534	3634	661
ZSM4500	4500	1400	1500	1700	1700	2190	10.75	3.5	3194	3394	3494	3544	3644	671
ZSM4700	4700	1300	1400	1600	1600	2140	11.45	3.5	3208	3408	3508	3558	3658	685
ZSM4800	4800	1300	1400	1600	1600	2190	11.75	3.5	3214	3414	3514	3564	3664	691
ZSM5000	5000	1200	1300	1500	1500	2290	12.75	3.3	3234	3434	3534	3584	3684	711
ZSM5400	5400	1050	1150	1350	1400	2425	14.10	3.3	3262	3462	3562	3612	3712	739
ZSM6000	6000	900	900	1000	1100	2640	16.25	3.3	3305	3505	3605	3655	3755	782
ZSM6500	6500	700	800	900	1000	2830	18.15	3.3	3343	3543	3643	3693	3793	820

NOTE: 1.5-2T free lifted height 304mm increased without backrest. 1.5-2T free lifted height 304mm increased without backrest when assemble with pulley block.