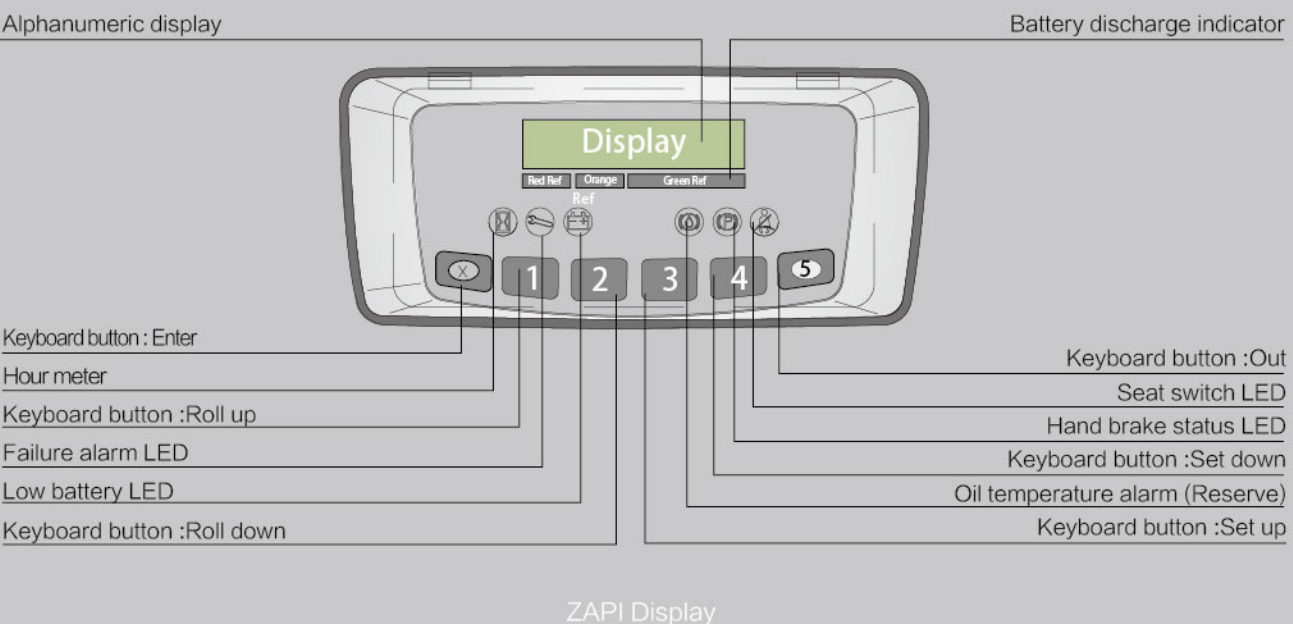


**G2 series**



**Standard configuration**

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

**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

**3000-4000 lbs [1.5-2.0t]**  
**36/48V Three Wheel**  
**G2 Series AC Electric Forklift Truck**



**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 lift heights
- ✓ Automatic deceleration on curved road, more intelligent and safe
- ✓ Standard configuration of warning light and drive OPS system improve whole

**Comfortable**

- ✓ With a magnetic brake on the drive 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
- ✓ Side battery as option, for easy replacement
- ✓ Optional fingertip controls to reduce arm motion and promote more efficient operation



**Working efficiency**

- ✓ Small turning radius makes steering flexible and easy
- ✓ The truck has fast driving and lifting speeds for higher working efficiency
- ✓ Three speed mode for high performance
- ✓ Larger battery capacity for longer single shift time
- ✓ Electric steering structure, gives more comfortable operation, more energy saving, and high operation efficiency



**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, and contributes to quick and convenient maintenance



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

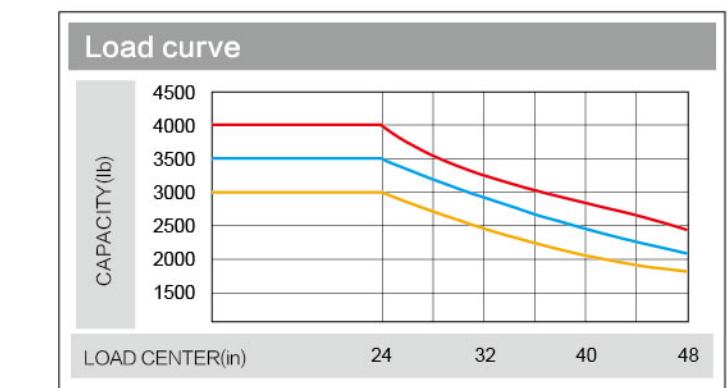
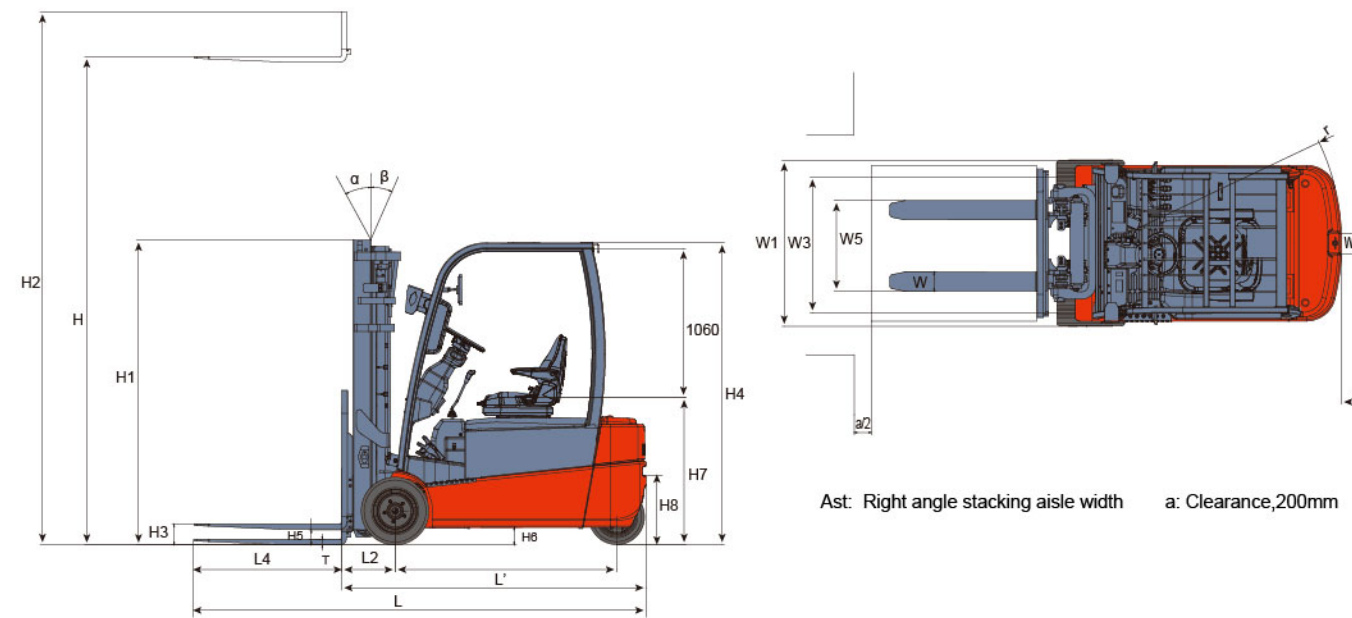
# 3000-4000 lbs [1.5-2.0t]



## Manufacturer's Data and Design Characteristics

Characteristics											
1.01	Manufacturer										
1.02	Model			CPD15SQ		CPD18SQ		CPD20SQ			
1.03	Configuration number			SQ-GB2U(P)		SQ-GB2U(P)		SQ-GB2U(P)			
1.04	Capacity	at rated load center	lb	kg	3000	1500	3800	1800	4000	2000	
1.05		load center	in	mm	24	500	24	500	24	500	
1.06	Power	diesel, gasoline, LP gas, electric			Electric		Electric		Electric		
1.07	Tire type	cushion, solid pneumatic			SE		SE		SE		
1.08	Wheels (x=driven)	number front/rear			2x/2		2x/2		2x/2		
Dimensions											
2.01	Max.lifting height	H	in	mm	130	3300	130	3300	130	3300	
2.02	Max.fork lifting height(with backrest)	H2	in	mm	159	4039	159	4039	159	4039	
2.03	Free lift	H3	in	mm	3.5	90	3.5	90	3.5	90	
2.04	Forks	length × width × thickness	L4 × W × T	in	mm	42.1 × 3.9 × 1.4	1070 × 100 × 35	42.1 × 3.9 × 1.4	1070 × 100 × 35	42.1 × 4.8 × 1.6	1070 × 122 × 40
2.05	Fork spacing	out-to-out min/max	W5	in	mm	37.8/7.8	960/200	40.5/7.8	1030/200	40.5/9.6	1030/245
2.06	Tilt	forward/backward	α/β	deg		5/7		5/7		5/7	
2.07	Overall length(without fork/with fork)	(L/L')	in	mm	73/115.1	1854/2924	77.2/119.4	1962/3032	77.4/119.6	1967/3037	
2.08	Overall width	W1	in	mm	42	1060	44	1120	44	1120	
2.09	Mast overall height(to top of lowered mast)	H1	in	mm	85	2160	86	2175	86	2175	
2.10	Overall height(overhead guard)	H4	in	mm	80	2040	80	2040	80	2040	
2.11	Seat height to SIP	H7	in	mm	37	940	37	940	37	940	
2.12	Drawbar pin height	H8	in	mm	27	695	27	695	27	695	
2.13	Min. outside turning radius	r	in	mm	58.5	1487	62.8	1595	62.8	1595	
2.14	Load distance, axle to fork face	L2	in	mm	14.4	367	14.4	367	14.6	372	
2.15	Min. distance aiste - 90° stack - zero clearance without load		in	mm	97	2476	97	2476	97	2476	
2.16	Min.right angle stacking aisle width ( pallet 1200 × 1200mm, clearance 200mm )	Ast	in	mm	132	3353	136	3461	136	3461	
Performance											
3.01	Travel speed	Loaded/Unloaded(36 volt)	mph	km/h	8.7/8.7	14/14	8.7/8.7	14/14	8.7/8.7	14/14	
		Loaded/Unloaded(48 volt)	mph	km/h	9.9/10.5	16/17	9.9/10.5	16/17	9.9/10.5	16/17	
3.02	Lift Speed	Loaded/Unloaded(36 volt)	fpm	mm/s	66.9/98.4	340/500	64.9/98.4	330/500	63/98.4	320/500	
		Loaded/Unloaded(48 volt)	fpm	mm/s	84.6/118	430/600	84.6/118	430/600	78.4/118	400/600	
3.03	Lowng Speed (Loaded/Unloaded)		fpm	mm/s	98.4/78.4	500/400	98.4/78.4	500/400	98.4/78.4	500/400	
3.04	Max.Gradeability	Loaded/Unloaded(5 minute rating)	%			20/33		20/33		20/33	
3.05	Max.drawbar pull	Loaded/Unloaded(5 minute rating)	N			15300		17800		17800	
Weight											
4.01	Empty	with minimum weight battery	lb	kg	6925	3144	7612	3456	8088	3672	
4.02	Axle load with rated load	front	lb	kg	9172	4164	10419	4730	11218	5093	
		rear	lb	kg	1057	480	1159	526	1275	579	
4.03	Axle load without load	front	lb	kg	3656	1660	3720	1689	4093	1858	
		rear	lb	kg	3269	1484	3892	1767	3996	1814	
Chassis											
5.01	Tire size	front	in		18x7-8		200/50-10		200/50-10		
		rear	in		140/55-9		140/55-9		140/55-9		
5.02	Wheel base		in	mm	51	1292	55	1400	55	1400	
5.03	Tread width	front tread	in	mm	35.8	910	36.2	920	36.2	920	
		rear tread	in	mm	7.1	180	7.1	180	7.1	180	
5.04	Ground clearance	at lowest point at mast	in	mm	3.3	85	3.5	90	3.5	90	
		at center of wheelbase	in	mm	3.9	100	3.9	100	3.9	100	
5.05	Brakes	service	type		Electric		Electric		Electric		
		parking	type		Electric		Electric		Electric		
Electrical											
6.01	Battery	capacity at 6 hr. discharge rate (36 volt)	Ah	Kwh	880	30.6	1100	38.2	1100	38.2	
		capacity at 6 hr. discharge rate (48 volt)	Ah	Kwh	660	30.5	770	35.8	770	35.8	
		weight, minimum	lb	kg	1700	772	2100	953	2100	953	
		weight, maximum	lb	kg	2112	959	2574	1169	2574	1169	
		battery compartment size, maximum	in	mm	38.9 × 20.9 × 23.2	990 × 532 × 590	38.9 × 25.2 × 23.2	990 × 640 × 590	38.9 × 25.2 × 23.2	990 × 640 × 590	
6.02	Motors	drive motor capacity (60 min. rating) 48 volt	HP	KW	6.4x2	4.7x2	6.4x2	4.7x2	6.4x2	4.7x2	
		lift output (15% rating) ( 48 volt)	HP	KW	15	11	15	11	15	11	
6.03	Controls	drive	type		MOSFET/AC		MOSFET/AC		MOSFET/AC		
		hydraulic	type		MOSFET/AC		MOSFET/AC		MOSFET/AC		
6.04	Hydraulic pressure		PSI	Mpa	2030	14	2030	14	2030	14	

NOTE: (1)For detailed information about battery,please contact your Heli authorized dealer.(2) P-barrery side extraction option (side pulling or side loading).



CPD15 CPD18 CPD20

**Note:** The vertical axis is the load capacity, and the horizontal axis is the load center, which is calculated from the front face of the forks to the load center of gravity. Capacity curves shown are for a standard mast at zero degree tilt with standard forks. Changing mast tilt, using non-standard forks or loading large goods can affect load capacity. This chart can be used to estimate load capacity at various load centers for standard masts. Contact HELI for specific load ratings for your situation.

BATTERY COMPARTMENT SIZE									
MODEL	Compartment size	BATTERY SPECIFICATIONS						Min weight	
		Size(Max.)			Electrial				lbs
	WDxLGxHT (in)	DimX	DimY	DimZ	Volts	Plates	Type	Capacity	
CPD18SQ	38.97×25.19×23.31	38.33×24.54×22.81			36	21	E110	1100	2100
CPD20SQ		38.71×23.74×22.81			48	15	E110	770	
CPD15SQ	38.97×20.94×23.31	38.33×20.21×22.81			36	17	E110	880	1700
		37.97×20.72×22.81			48	13	E110	660	

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: Length 20"(508mm),Position "B",2/0 AWG



### 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%.



WIDE VIEW MAST															
Mast model	Maximum Fork Height (in/mm)	Load Capacity at 24" Load Center						Overall Height CPD15-20SQ in/mm	Tilt Range α/β(deg.)	service weight(Unload)					
		CPD15SQ		CPD18SQ		CPD20SQ				CPD15SQ		CPD18SQ		CPD20SQ	
		lb	kg	lb	kg	lb	kg			lb	kg	lb	kg	lb	kg
M200	79/2000	3000/1362	3500/1589	4000/1816	60/1525	5/7	6773	3075	7460	3387	7936	3603			
M250	98/2500	3000/1362	3500/1589	4000/1816	70/1775	5/7	6831	3101	7519	3413	7994	3629			
M300	118/3000	3000/1362	3500/1589	4000/1816	80/2025	5/7	6890	3128	7577	3440	8053	3656			
M330	130/3300	3000/1362	3500/1589	4000/1816	86/2175	5/7	6925	3144	7612	3456	8088	3672			
M350	138/3500	3000/1362	3500/1589	4000/1816	90/2275	5/7	6948	3154	7635	3466	8111	3682			
M370	146/3700	3000/1362	3500/1589	4000/1816	94/2375	5/7	6978	3168	7665	3480	8141	3696			
M400	157/4000	3000/1362	3500/1589	4000/1816	101/2575	3/5	7074	3212	7761	3524	8237	3740			
M425	167/4250	3000/1362	3500/1589	3744/1700	106/2700	3/5	7103	3225	7791	3537	8266	3753			
M450	177/4500	2643/1200	3304/1500	3524/1600	111/2825	3/5	7131	3238	7819	3550	8294	3766			
M500	197/5000	2203/1000	3084/1400	3304/1500	121/3075	3/3	7190	3264	7877	3576	8353	3792			
M550	217/5500	1762/800	2643/1200	2643/1200	133/3375	3/3	7368	3345	8055	3657	8531	3873			
M600	236/6000	1542/700	1762/800	1982/900	143/3625	3/3	7431	3374	8118	3686	8594	3902			

WIDE VIEW FULL FREE 2-STAGE MAST																
Mast model	Maximum Fork Height (in/mm)	Load Capacity at 24" Load Center						Overall Height CPD15-20SQ in/mm	Freelift (With Backrest) CPD15-20SQ in/mm	Tilt Range α/β(deg.)	service weight(Unload)					
		CPD15SQ		CPD18SQ		CPD20SQ					CPD15SQ		CPD18SQ		CPD20SQ	
		lb	kg	lb	kg	lb	kg				lb	kg	lb	kg	lb	kg
ZM200	79/2000	3000/1362	3500/1589	4000/1816	60/1525	20/5/10	5/7	6840	3106	7528	3418	8003	3634			
ZM250	98/2500	3000/1362	3500/1589	4000/1816	70/1775	30/760	5/7	6903	3134	7590	3446	8066	3662			
ZM300	118/3000	3000/1362	3500/1589	4000/1816	80/2025	40/1010	5/7	6966	3163	7653	3475	8129	3691			
ZM330	130/3300	3000/1362	3500/1589	4000/1816	86/2175	46/1160	5/7	7004	3180	7692	3492	8167	3708			
ZM350	138/3500	3000/1362	3500/1589	4000/1816	90/2275	50/1260	5/7	7029	3191	7716	3503	8192	3719			
ZM370	146/3700	3000/1362	3500/1589	4000/1816	94/2375	54/1360	5/7	7061	3206	7748	3518	8224	3734			
ZM400	157/4000	3000/1362	3500/1589	4000/1816	101/2575	61/1560	3/5	7159	3250	7847	3562	8322	3778			

NOTE: Free lift height 15.5in increased without backrest.

WIDE VIEW FULL FREE 3-STAGE MAST																
Mast model	Maximum Fork Height (in/mm)	Load Capacity at 24" Load Center						Overall Height CPD15-20SQ in/mm	Freelift (With Backrest) CPD15-20SQ in/mm	Tilt Range α/β(deg.)	service weight(Unload)					
		CPD15SQ		CPD18SQ		CPD20SQ					CPD15SQ		CPD18SQ		CPD20SQ	
		lb	kg	lb	kg	lb	kg				lb	kg	lb	kg	lb	kg
ZSM360	142/3600	3000/1362	3500/1589	4000/1816	70/1790	31/775	3/5	7217	3277	7904	3589	8380	3805			
ZSM400	157/4000	3000/1362	3500/1589	4000/1816	76/1925	36/910	3/5	7276	3304	7964	3616	8439	3832			
ZSM435	171/4350	3000/1362	3414/1550	3744/1700	80/2040	40/1025	3/5	7329	3328	8017	3640	8492	3856			
ZSM450	177/4500	2863/1300	3304/1500	3634/1650	82/2090	42/1075	3/5	7351	3338	8039	3650	8514	3866			
ZSM470	185/4700	2533/1150	3194/1450	3414/1550	85/2160	45/1145	3/5	7382	3352	8069	3664	8545	3880			
ZSM480	189/4800	2423/1100	3194/1450	3414/1550	86/2190	46/1175	3/5	7395	3358	8083						