

TFT

TFCPD 60/70/80/100
A6LIK2-X

TFCPD 90
A6LIK2-09X

SOLUCIONES PROFESIONALES DE MANIPULACIÓN

www.carretillastft.com



6-10 t

Carretilla elevadora con batería de litio
para trabajo dentro de contenedores

6-10 t

K2 Series Lithium-ion Battery Forklift Truck
for Container inside Operation



Intelligent Safety



Stable and Reliable



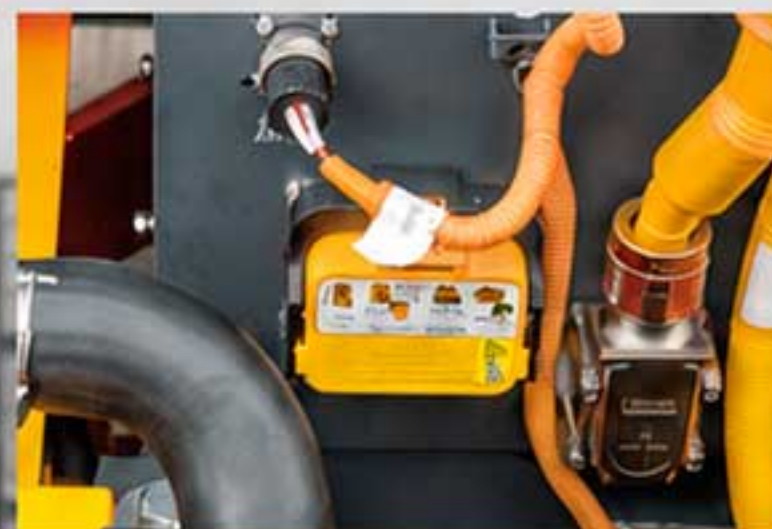
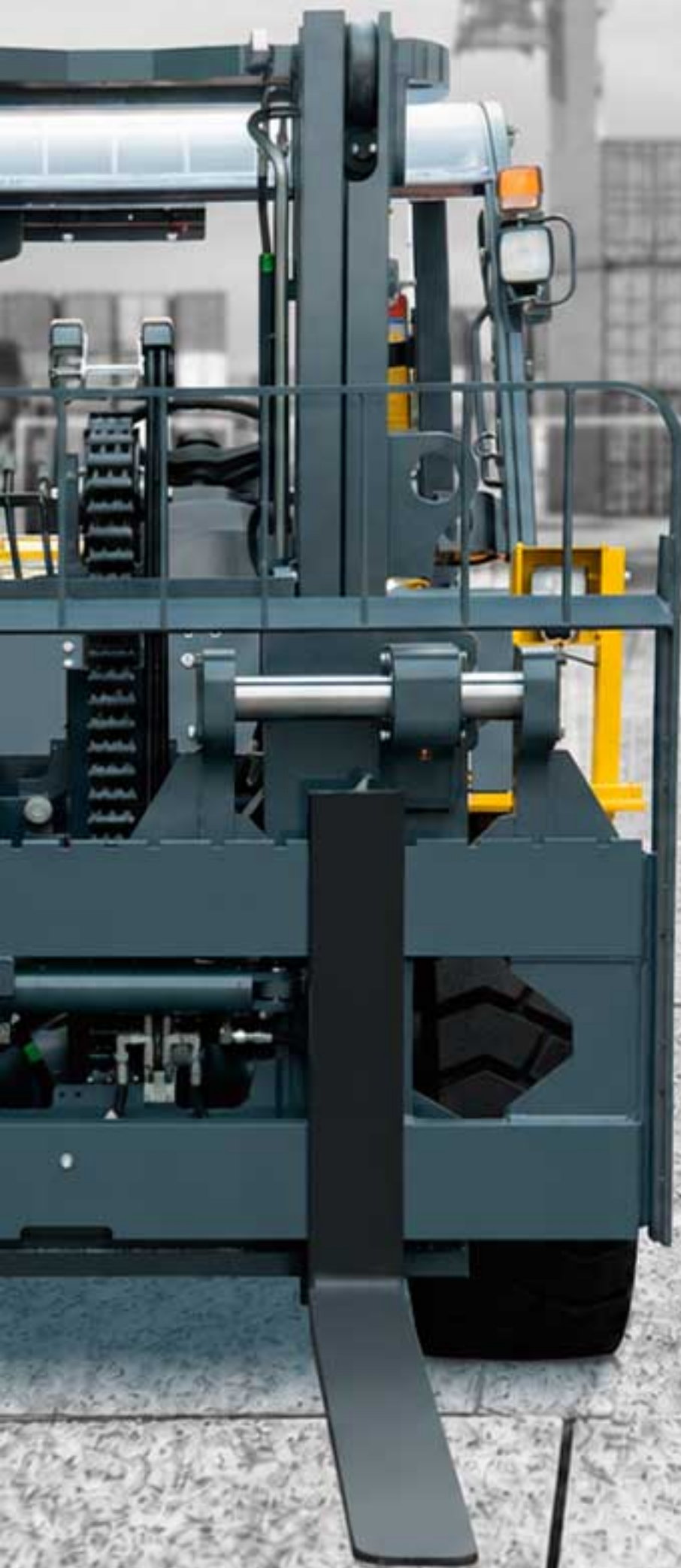
Comfort and Convenient



Convenient Maintenance

Intelligent Safety

High and low voltage independent power distribution, safe and easier to maintain.
Independent driving brake safe and reliable, energy-saving and efficient.



External service switch, easy to operate, effectively prevent electrified misoperation.



Dedicated high voltage orange cable meet the standards of new energy vehicles, multi-layer protection, wear-resistant, eye-catching



Standard mast lowering buffer, avoid extreme impact, intelligent safety

Stable and Reliable



HELI's self-developed drive bridge is safe and reliable



Standard steering cylinder sleeve, and casted steering wheel hub is more reliable in harsh working conditions



Rain test



Impact drop test of overhead guard



Reinforced crossbeam enhances stiffness and strength



Optional lateral or/and rear bar lights, rear work lights, blue spotlight, fire extinguisher, reverse radar and camera, etc. non-standard options for safer operation

Comfort and Convenient



Hidden mast pipeline provides a wider view



Standard tea cup holder and USB interface(5V/1A)

Ratchet hand rake

LED front working lamp on fender makes it easier for container inside operation

Color screen instrument panel:
Comprehensive display of vehicle information,
timely reminders, and convenient operation

Integrated light handle switch

Convenient Maintenance



Large turning angle steering axle,
reducing the turning radius of the forklift



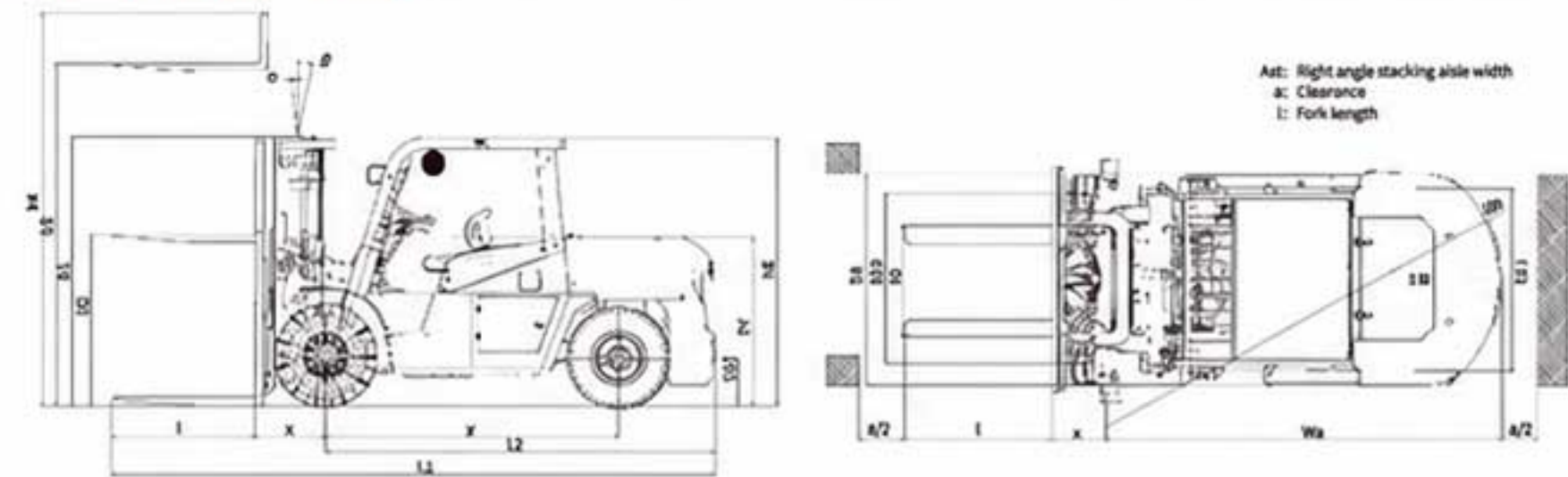
Large opening angle hood



Integrated electrical
cabinet, embedded
instrument, easy to
disassemble and maintain

Integrated hydraulic cabinet, easy
maintenance of braking system

Standard folding seat frees headspace



Art: Right angle stacking aisle width
a: Clearance
l: Fork length

Manufacturer and Technical Data

1.01	Manufacturer			CPD60	CPD70	CPD80	CPD90	CPD100
1.02	Model			A6UK2-X	A6UK2-X	A6UK2-X	A6UK2-09X	A6UK2-X
1.03	Configuration number			6000	7000	8000	9000	10000
1.04	Rated capacity	Q	kg		600		600	600
1.05	Load center distance	c	mm					
1.06	Power mode			Lithium battery				
1.07	Driving mode			Seated				
1.08	Front overhang	x	mm	580	585	590	700	700
1.09	Wheelbase	y	mm		2400		2850	2850
2.01	Total weight (with/without battery)		kg	8700/8080	9300/8680	10350/9640	12700/11900	12050/11340
2.02	Axle load (laden, front/rear)		kg	13100/1600	14500/1600	15950/2450	19650/2050	20520/1800
2.03	Axle load (unladen, front/rear)		kg	4000/4700	4050/5250	4050/6300	5575/7125	5800/6450
3.01	Tyres			Pneumatic-tyre				
3.02	Tyre type							
3.03	Tyre size, front			355/65-15-26PR				
3.04	Tyre size, rear			8.25-15-14PR				
3.05	Wheels, number front/rear (x-driven wheels)			2-x/2				
3.06	Tread, front	b10	mm		1386		1520	
3.07	Tread, rear	b11	mm		1500		1700	
4.01	Dimensions							
4.02	Mast tilt angle (forward/backward)	a/b	°		6/12		10/12	
4.03	Height (mast lowered)	h1	mm		2210		2190	
4.04	Free lifting height	h2	mm		840		995	960
4.05	Lifting height (standard)	h3	mm		2500		1800	2100
4.06	Max. height, extended (with backrest)	h4	mm		3900		3150	3345
4.07	Height of overhead guard	h6	mm		2210		2230	
4.08	Seat height relating to SIP (to ground)	h7	mm		1300		1330	
4.09	Towing coupling height	h10	mm			390		
4.10	Overall length (with fork)	l1	mm	5450	5490	5620	6040	
4.11	Overall length (without fork)	l2	mm	3630	3670	3800	4220	
4.12	Overall width	b1	mm		2050		2050	
4.13	Fork size: thickness X width X length	s/e/l	mm	70×150×1820	75×150×1820	75×150×1820	88×175×1820	
4.14	Fork carriage, according to ISO2328			4A				
4.15	Distance across fork-arms, Min./Max.	b5	mm		300-1690		470-1730	
4.16	Ground clearance(at mast)	m1	mm		130		165	
4.17	Ground clearance(center of wheelbase)	m2	mm			235		
4.18	Right angle stacking aisle width for pallet 1000×1200mm lengthways	Ast	mm	5215	5265	5320	5840	
4.19	Right angle stacking aisle width for pallet 800×1200mm crossways	Ast	mm	5415	5465	5520	6040	
4.20	Min. outside turning radius	Wa	mm	3435	3480	3530	3940	
5.01	Performance Data							
5.02	Travel speed (laden/unladen)		km/h		23/23		19/19	
5.03	Lift speed (laden/unladen)		mm/s	350/450		330/450	370/400	300/400
5.04	Lowering speed (laden/unladen)		mm/s		Without load > 300/with full load ≤ 600			
5.05	Max. drawbar pull (laden)		N	47000			55000	
5.06	Max. gradeability (laden)		%	25	25	20	20	
6.01	Battery							
6.02	Battery voltage/Capacity		V/Ah	326.4/150		326.4/202		
6.03	Battery weight		kg	620		710		
7.01	Motor and controller							
7.02	Driving motor powering (S2-60min)		kW		60			
7.03	Lifting motor powering (S3-15%)		kW		27.8×2			
7.04	Driving motor controlling mode				GBT/AC			
7.05	Lifting motor controlling mode				IGBT/AC			
8.01	Additional data							
8.02	Service brake/Parking brake			Hydraulic/mechanical				
8.03	Relief pressure		MPa		14			

Battery and Chargers configuration

Modelo	Capacidad de la batería		
	326.4V/150Ah	326.4V/202Ah	326.4V/230Ah
CPD60/70-A6LIK2-X	●	○	○
CPD80-A6LIK2-X			
CPD90-A6LIK2-09X	—	●	○
CPD100-A6LIK2-X			
Chargers	D336V100ALI-425/D336V150ALI-423		
Charging time	Full charging time=battery capacity/charging current. For example: the standard battery capacity of 6-7t forklift truck is 326.4V/150Ah, the charger is 100A, thus the full charging time is 150/100≈1.5h.		

6-8t Wide View Basic Mast

Mast model	Max. lifting height (mm)	Load capacity(load center 600mm)(Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD60	CPD70	CPD80			CPD60	CPD70	CPD80	
M220	2200	6000	7000	8000	2080	160/165/170	8800	9400	10450	6/12

Note:with internal sideshifter, the load capacity is reduced by 200kg; with external sideshifter, the load capacity is reduced by 300kg.

6-8t Wide View Full Free 2-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity(load center 600mm)(Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD60	CPD70	CPD80			CPD60	CPD70	CPD80	
ZM220	2200	6000	7000	8000	2060	690/695/700	8674	9274	10324	6/12
ZM250	2500	6000	7000	8000	2210	840/845/850	8700	9300	10350	6/12

Note:(1)the free lift without backrest increases by 270mm.

(2)with internal sideshifter, the load capacity is reduced by 200kg; with external sideshifter, the load capacity is reduced by 300kg.

6-8t Wide View Full Free 3-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity(load center 600mm)(Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD60	CPD70	CPD80			CPD60	CPD70	CPD80	
ZSM320	3200	5600	6200	-	2210	840/845	9380	9980	-	6/6
ZSM360	3600	5600	6200	-	2210	840/845	9400	10000	-	6/6

Note:the free lift without backrest increases by 270mm.

9t Wide View Basic Mast

Mast model	Max. lifting height (mm)	Load capacity (load center 900mm) (Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD100	CPD100	CPD100			CPD90	CPD90	CPD90	
M170	1700	9000	9000	9000	2190	218	12900	12900	12900	10/12

Note:with internal sideshifter, the load capacity is reduced by 200 kg.

9t Wide View Full Free 2-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity (load center 900mm) (Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD90	CPD90	CPD90			CPD90	CPD90	CPD90	
ZM180	1800	9000	9000	9000	2190	995	12700	12700	12700	10/12

Note:(1)9t:free lift without backrest,(2)with internal sideshifter, the load capacity is reduced by 200 kg.

10t Wide View Basic Mast

Mast model	Max. lifting height (mm)	Load capacity (load center 600mm) (Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD100	CPD100	CPD100			CPD100	CPD100	CPD100	
M200	2000	10000	10000	10000	2190	200	12250	12250	12250	10/12

Note:with internal sideshifter, the load capacity is reduced by 200kg.

10t Wide View Full Free 2-Stage Mast

Mast model	Max. lifting height (mm)	Load capacity (load center 600mm) (Kg)			Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight(kg)			Mas tilt angle (°)α/β
		CPD100	CPD100	CPD100			CPD100	CPD100	CPD100	
ZM210	2100	10000	10000	10000	2190	960	12050	12050	12050	10/12

Note:(1)10t:free lift without backrest,(2)with internal sideshifter, the load capacity is reduced by 200kg.

Chargers

Charger model	D336V100ALI-425	D336V150ALI-423
Rated input voltage	AC380V±15%	
Rated frequency	45HZ-60HZ	
Input power	≤40KVA	≤60KVA
Protection class	IP20	
Rated output voltage	200V-500V	
Rated output current	5A-100A	5A-150A
Rated output power	40KW	50.4KW
Forced cooling	Cooling type	
Operating temperature	-20°C-50°C	
Power plug	International universal charging plug	
Model	CPD60/70/80-A6LIK2-X;CPD90-A6LIK2-09X;CPD100-A6LIK2-X	

Configuration(1)

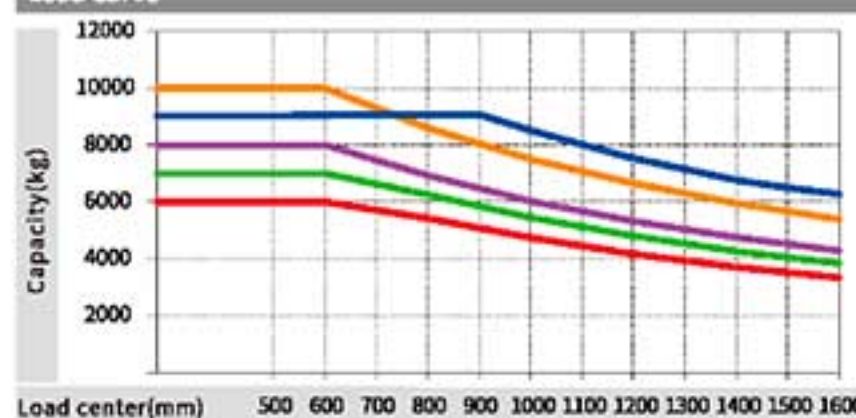
Package type	Option	
	Embalaje estándar	Forklift truck for container inside operation
Intelligent Security	Neutral packing	○
	Reversing voice horn(Chinese language)	●
	Reverse radar and camera	○
	Speed limit(5/10/15km/h)	○
	Overspeed alarm(5/10/15km/h)	○
	Full set OPS	●
	Sistema de seguridad	○
	Emergency stop button	●
	Fire extinguisher	○
	Mast lowering buffer	●
Comfortable and Convenient	Volante con pomo	●
	Volante sin pomo	○
	Full hydraulic power steering	●
	Speed limiting valve for lifting oil circuit	●
	Man-machine interactive liquid crystal instrument	●
	Electric fan	○
	Tea cup holder	●
	USB interface(5V/1A)	●
	Rear view mirrors at both sides	●
	Get on handle	●
Windshield glass	Folding seat	●
	Front windshield (including wiper)	○
	Rear windshield(without wiper)	○
	Windshield glass	○

Configuration(2)

	Option	
	Option	Forklift truck for container inside operation
Mast	Basic wide view mast	○
	2-stage wide view full free mast	●
	3-stage wide view full free mast(6/7t)	○
	Hook type of fork carriage(6/7/8t)	●
	Hydraulic fork Positioner(9/10t)	●
	Backrest(6/7/8t)	●
	Non standard fork and attachment	○
Lights	LED lamps for whole truck	●
	LED rear working lamp	○
	Rear LED blue spotlight	○
	Lateral blue bar lamps	○
	Lateral and rear blue bar lamps	○
	Lateral red bar lamps	○
	Lateral and rear red bar lamps	○
	Fixed type LED flicker warning lamp	●
	Fixed type LED rotating warning lamp	○
	Fixed type LED rotating buzzer warning lamp	○
Others	Metric thread	●
	Counterweight with protective net (without reverse radar and camera)	●
	Counterweight and mast sling	○
	Steering cylinder sleeve	○
	Tilting cylinder sleeve	○
	With non-universal key	●
	With universal key(4 pieces)	○
	Traction device	●
	Driver's tool kits	●
	Customized color	○

Note: "●" standard; "○" optional; "—" non-configurable.

Load Curve



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 1200mm 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.