



Electronic control layout is simple, elegant, and easy maintenance

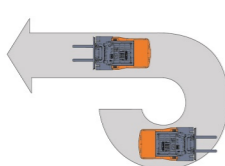
The truck equipped with more intelligence functions not only ensures the safety performance, but also improves the efficiency and reduces energy consumption.

- ✓ AC traction controller.
- ✓ Presence of driver sensing system.
- ✓ Standard CAN BUS.
- ✓ Emergency power off the main circuit.
- ✓ Self-braking on ramp.
- ✓ Preventing abnormally operating.
- ✓ Electric controller self-protecting.
- ✓ Speed selection function (normal/cutback).



Traveling turn automatic speed limit function

Traveling turn automatic speed limit, making vehicles safer.



A reliable hydraulic system

HELI has the most professional R&D base of cylinders, where we take advantage of the advanced manufacturing technologies and detecting means to ensure the reliability of all cylinders of the hydraulic system.

- ✓ Standard tilt cylinder by HELI
- ✓ Standard lift cylinder by HELI
- ✓ Standard steering cylinder by HELI
- ✓ Self-locking tilt cylinder
- ✓ Standard hydraulic circuit filter
- ✓ Speed buffer device on lifting system



HELI



6-7t
H Series
AC Electric Forklift

Standard configuration

- Wide view mast
- Standrad fork carriage
- Backrest
- Two-spool control valve
- Battery group
- Standrad seat
- Overhead guard
- Overhead guard raincoat
- LCD combined display
- Solid tyre
- Traction bar
- Attached tools

- Back view mirror
- Reversing buzzer horn
- Headlight
- Rear combination lamps
- Emergency stop switch
- Visual message oil filter
- Emergency brake
- Motor
- Mast buffer device
- Cornering speed limiting device

Optional

- Cab
- Windshield
- Alarm lamp
- Rear work light
- Charger
- FAAM battery
- HOPPECKE battery
- Full suspension seat
- No traces of solid tire
- Sleeve on fork
- Widened fork holder
- Tilt cylinder protection sleeve
- Steering cylinder protection sleeve
- Fire extinguisher
- Full free mast
- Optional attachments
- Customer referred color



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* Our products are subject to improvements and changes without notice.



6-7t H series
AC Electric Forklift Truck



HELI
LIFTING THE FUTURE



H 6-7t AC Electric
Forklift Truck

Mast rise and fall ends automatically slow down



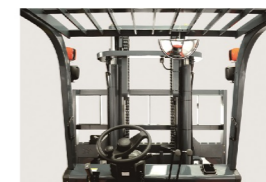
The innovative design Mast rise and fall ends automatically slow down, to reduce the impact and improve comfort.

Goods decline in power generation



Has goods decline in power generation, to be able to maximize the recovery of energy of the system, extended battery life, and reduce the battery capacity.

A reliable mast



The high internal-qualified mast confirmedly ensures the safety of the operator, truck and cargo. Standard configuration of the wide-view mast enlarges operators' view effectively, and ensures loading /unloading operations more reliable.

- ✓ Using the best German steel material for triplex mast
- ✓ The frame of mast has more strength basing on the enlarged channel interface.



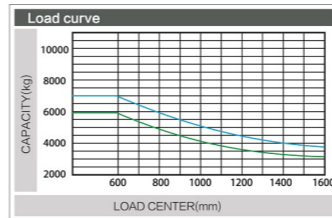
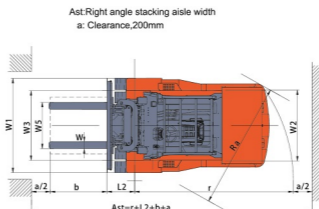
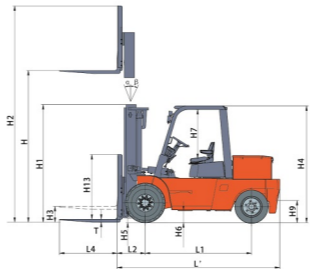
H6-7t AC Electric Forklift Truck



Manufacturer's Data and Design Characteristics

Characteristics			
1.01	Manufacturer's Name	HELI	
1.02	Model Designation	CPD60	CPD70
1.03	Configuration Number	HA2	HA2
1.04	Load Capacity	6000	7000
1.05	Load Center	600	600
1.06	Power Type	Battery	Battery
1.07	Operator Type	Seated	Seated
1.08	Wheelbase	L1(mm)	2245
Wheels & Tyres			
2.01	Tyre Type	Pneumatic+Superelastoc	Pneumatic+Superelastoc
2.02	Tyres Number (Front/Rear)	4/2	4/2
2.03	Tread(centre of tyre)_front	W3 (mm)	1470
2.04	Tread(centre of tyre)_rear	W2 (mm)	1500
2.05	Tyre Size, Front	8.25-15-14PR	8.25-15-14PR
2.06	Tyre Size, Rear	28x9-15	28x9-15
Dimensions			
3.01	Load Distance	L2(mm)	595
3.02	Mast Tilt Angle,F/R	α/β (°)	6/12
3.03	Height with Mast Lowered	H1(mm)	2500
3.04	Free Lift	H3(mm)	200
3.05	Standard Lift Height	H2(mm)	3000
3.06	Height with Mast Extended	H4(mm)	4400
3.07	Coupler height	H9(mm)	425
3.08	Overhead Guard Height	H4(mm)	2450
3.09	Overhead Guard clearance (from offset)	H7(mm)	1120
3.10	Backrest height (from upper face of forks)	H13(mm)	1350
3.11	Fork Size T*W*L	T*W/L4(mm)	60*150*1220
3.12	Lateral fork adjustment outside of (Max./Min.)	W5(mm)	1845/300
3.13	Fork Carriage to DIN 15173 A/B	4A	4A
3.14	Length to fork face	L1(mm)	3440
3.15	Overall Width	W2(mm)	1994
3.16	Ground Clearance at mast_Loaded	H5(mm)	200
3.17	Ground Clearance at centre of wheelbase_Loaded	H6(mm)	254
3.18	Outside Turning Radius	r (mm)	3440
3.19	Min.intersecting aisle clearance:200mm	Ra(mm)	3370
3.20	Right angle stacking aisle width-Pallet size 1200x200mm, clearance:200mm	Ast(mm)	5430
Performances			
4.01	Travel Speed,with/without load	km/h	15/15.5
4.02	Lifting Speed,with/without load	mm/s	320/500
4.02	Lowering Speed,with/without load	mm/s	350/320
4.03	Gradient performance,with/without load	%	18/25
4.04	Max. draw bar pull with load	N	43900
Weight			
5.01	Total Approximate Weight(W/O battery)	kg	8860/6760
5.02	Axle Loading: Unloaded,Front/Rear	kg	4198/4662
5.03	Axle Loading: Loaded,Front/Rear	kg	13344/1516
Battery			
6.01	Battery Voltage/rated capacity(5h)	V/Ah	80/800
6.02	battery weight	kg	2100
6.03	Battery standard	DIN	DIN
Motor & Controller			
7.01	Drive Motor - 60 Min. Rating	kW	16.6x2 (AC)
7.02	Pump Motor - 60 Min. Rating	kW	16.6x2 (AC)
7.03	Drive Motor Control Method		MOSFET/AC
7.04	Pump Motor Control Method		MOSFET/AC
7.05	Service Brake/Parking Brake		Hydraulic/Mechanical
7.06	Relief Pressure	Mpa	20

NOTE:For battery brand and capacity ,please contact with sales or engineers.



CPD60 CPD70

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.

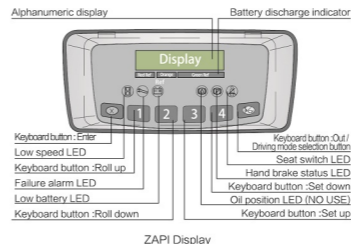


Renewable energy technologies

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%.

↑30%
THE PERFORMANCE OF BATTERY INCREASES

The reliable special instrument gives a complete display of the key information, like operating status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.



ZAPI Display

6-7t WIDE VIEW MAST

Mast model	Max.Fork Height (mm)	Load Capacity (kg)		Overall Mast Height (At Lowered) (mm)		Service Weight With Backrest(kg)		Tilting Angle Fwd/Bed (deg.)
		CPD60	CPD70	CPD60	CPD70	CPD60	CPD70	
M200	2000	6000	7000	2200	2200	8716	9086	6-12
M250	2500	6000	7000	2250	2250	8780	9150	6-12
M270	2700	6000	7000	2350	2350	8810	9180	6-12
M300	3000	6000	7000	2500	2500	8860	9230	6-12
M330	3300	6000	7000	2650	2650	8910	9280	6-12
M350	3500	6000	7000	2750	2750	8940	9320	6-12
M375	3750	6000	7000	2875	2875	8980	9360	6-12
M400	4000	6000	7000	3000	3000	9150	9530	6-12
M425	4250	6000	7000	3175	3175	9190	9570	6-12
M450	4500	6000	7000	3300	3300	9230	9610	6-12
M475	4750	6000	7000	3425	3425	9270	9650	6-6
M500	5000	6000	7000	3550	3550	9310	9690	6-6
M550	5500	5700	6600	3850	3850	9510	9880	3-6
M600	6000	5400	6400	4100	4100	9590	9960	3-6

6-7t WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.Fork Height (mm)	Load Capacity (kg)		Overall Mast Height (At Lowered) (mm)		Service Weight With Backrest(kg)		Free lift With Backrest (mm)	Tilting Angle Fwd/Bed (deg.)
		CPD60	CPD70	CPD60	CPD70	CPD60	CPD70		
ZM250	2500	6000	7000	2210	2210	8890	9260	837	6-12
ZM270	2700	6000	7000	2310	2310	8920	9290	937	6-12
ZM300	3000	6000	7000	2460	2460	8970	9340	1087	6-12
ZM330	3300	6000	7000	2610	2610	9020	9390	1237	6-12
ZM350	3500	6000	7000	2710	2710	9050	9420	1337	6-12
ZM375	3750	6000	7000	2835	2835	9090	9460	1462	6-12
ZM400	4000	6000	7000	3010	3010	9250	9620	1637	6-12
ZM425	4250	6000	7000	3135	3135	9280	9650	1762	6-12
ZM450	4500	6000	7000	3260	3260	9330	9700	1887	6-12
ZM475	4750	6000	7000	3385	3385	9370	9740	2012	6-6
ZM500	5000	6000	7000	3510	3510	9410	9780	2137	6-6
ZM550	5500	5700	6600	3810	3810	9610	9980	2437	3-6
ZM600	6000	5400	6400	4060	4060	9690	10060	2687	3-6

NOTE: 6: FREE LIFTING HEIGHT WITHOUT BACKREST+465mm;
7: FREE LIFTING HEIGHT WITHOUT BACKREST+310mm.

6-7t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.Fork Height (mm)	Load Capacity (kg)		Overall Mast Height (At Lowered) (mm)		Service Weight With Backrest(kg)		Free lift With Backrest (mm)	Tilting Angle Fwd/Bed (deg.)
		CPD60	CPD70	CPD60	CPD70	CPD60	CPD70		
ZM360	3600	5600	6200	2335	2335	9550	9900	910	6-6
ZM400	4000	5600	6200	2470	2470	9610	9960	1040	6-6
ZM435	4350	5600	6200	2585	2585	9670	10000	1156	6-6
ZM480	4800	5600	6200	2740	2740	9860	10190	1310	6-6
ZM500	5000	5600	6200	2805	2805	9890	10220	1380	3-6
ZM540	5400	5300	6000	2940	2940	9960	10290	1510	3-6
ZM600	6000	5000	5800	3140	3140	10050	10670	1710	3-6
ZM650	6500	4300	4500	3405	3405	10160	10690	1975	3-6
ZM700	7000	3500	3700	3615	3615	10270	10800	2085	3-6

NOTE: 6: FREE LIFTING HEIGHT WITHOUT BACKREST+330mm;
7: FREE LIFTING HEIGHT WITHOUT BACKREST+125mm.