

**Four  
Wheel**

**2,000 - 5,000 lbs**

**H Series  
AC Electric Forklift**



**h2000  
SERIES**

**HELI**  
LIFTING THE FUTURE

Top 10 Forklift  
Manufacturer In The World



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AC Electric Forklift**

**Four Wheel 2,000-5,000 lbs**

## High Visibility Mast Design



Wide view mast design enhances operator visibility thus increasing productivity and minimizing the potential for product damage.

- Full face mast channel roller bearings
- 4 carriage rollers with 4 adjustable side thrust rollers

## Steering System



The steering system includes the latest technology providing excellent operation control, optimal load positioning and noise reduction.

- New integrated load-sensing steering
- Power steering
- New low-noise gear pump with differential tooth technology

## AC Drive Motor



High power AC drive motor combined with large ratio gearbox enhances both acceleration and gradeability.

- Large ratio gearbox
- Regenerative braking
- Low maintenance AC motor



## High Efficiency Hydraulic System

The innovative design of the hydraulic system improves the efficiency of loading and unloading.

- Low-speed, high-torque hydraulic pump motor
- MOSFET hydraulic controller
- Low-noise gear pump with differential tooth technology
- Dynamic load sensing technology standard



## Ergonomically Designed Operator Compartment

- Cowl mounted hydraulic control handles
- Multi-function instrument display
- BDI with lift interrupt
- Operator Presence System
- Tilt Steering Column



## Intelligent Performance

- Choice of ZAPI or CURTIS controllers
- AC traction controller
- Emergency power shutdown
- Self-protecting controller
- Standard CAN BUS design
- Anti-roll back and anti-roll down with adjustable ramp stop time
- Adjustable travel speed select function





# H Series AC Electric Forklift

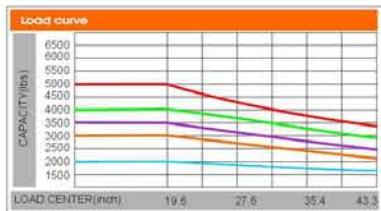
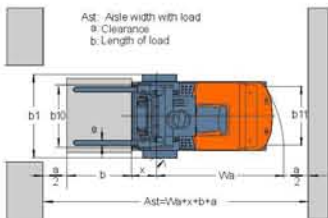
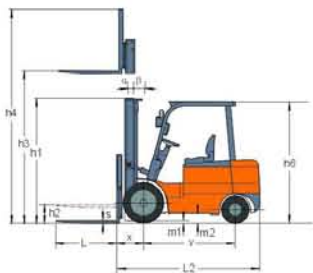
# Four Wheel

# 2000-5000 lbs

## Manufacturers Data and Design Characteristics

Characteristics				
1	Model		CPD10	CPD10
2	Configuration Number		FJ1	FJ2
3	Base Capacity	Q(lbs)	2000	
4	Load Center	c(inch)		
5	Power Type			
6	Wheelbase		49.2	
Wheels & Tires				
7	Tire Type	y(inch)		
8	Tire Number(Front/Rear)			
9	Tread:center of tire, Front		37.4	
10	Tread:center of tire, Rear	b10(inch)	36.2	
11	Tire Size, Front	b11(inch)		
12	Tire Size, Rear			
Dimensions				
13	Load Distance	X(inch)	16.6	
14	Mast Tilt Angle,F/R	$\alpha / \beta (^{\circ})$	6/12	
15	Height with Mast Lowered	h1(inch)	78.5	
16	Free Lift	r2(inch)	5.9	
17	Standard Lift Height	h3(inch)	118.1	
18	Height With Mast Extended	h4(inch)	157.8	
19	Overhead Guard Height	h6(inch)	83.9	
20	Fork Size	s/w,L(inch)	1.26*3.93*42	
21	Length to Fork Face	L2(inch)	79	
22	Overall Width	b1(inch)	42.1	
23	Outside Turning Radius	Wb(inch)	70.9	
24	Ground Clearance at Mast, Loaded	m1(inch)	4.3	
25	Ground Clearance at Center of Wheelbase, Loaded	m2(inch)	4.9	
26	Right Stack Asie Width(Pallet Size 40x40inch, Clearance 7.9inch)	Ast(inch)	134.6	
27	Right Stack Asie Width(Pallet Size 48x48inch, Clearance 7.9inch)	Ast(inch)	142.5	
Performance				
28	Travel Speed, With/Without Load	mile/h	8.7/9.4	
29	Lifting Speed, With/Without Load	t/min	57.1/88.6	
30	Lowering Speed	t/min		
31	Gradeability Performance With Load	%	18	
32	Max. Draw Bar Pull With Load	lbs	1754	
33	Acceleration time (32.8feet) W/O load	s	4.4/4.1	
Weights				
34	Total Weight (with battery)	lbs	5300	
35	Axle Unloaded,Front/Rear	lbs	2400/2900	
36	Axle Loaded,Front/Rear	lbs	6570/730	
Battery				
37	Battery Voltage/Rated Capacity(5h)	V/Ah		48/40
38	Battery Weight	lbs		1950
39	Compartment for Battery Size	inch		24.3*38.6
Motor & Controls				
40	Drive Motor - 60 Min. Rating	hp		
41	Pump Motor - 15 Min. Rating	hp		
42	Drive Motor Control Method			
43	Pump Motor Control Method			
44	Service Brake/Parking Brake			
45	Relief Pressure	psi		

CPD15 FJ1	CPD15 FJ2	CPD15 CJ1	CPD15 CJ2	CPD18 CJ1	CPD18 CJ2	CPD20 FJ1	CPD20 FJ2	CPD25 FJ1	CPD25 FJ2
3000				3500		4000		5000	
34 Battery									
49.2		53.9		53.9				59.6	
Pneumatic 22									
37.4				37.4				37.8	
36.2				36.2				37.4	
8.5-10-10PR								7.00-12-12PR	
5.00-8-10PR								18x7-8-14PR	
16.7				16.7				19	
6/12				6/12				6/12	
78.5				78.5				78.7	
6.1				6.1				6.7	
118.1				118.1				118.1	
157.7				157.7				157.3	
83.9		85		85				83.9	
1.38*3.93*42				1.38*3.93*42		1.77*3.93*42		1.77*3.93*42	
80.3		83.9		84.8				94.4	
42.1				42.1				45.3	
71.7		76		77.2				81.3	
4.3				4.3				5.5	
4.9				4.9				6.1	
135.6		140.2		141.3		147.6		149.9	
143.5		148		149.2		155.4		155.4	
8.7/9.4				8.7/9.4		8.7/9.4		8.7/9.4	
57.1/88.6				55.1/104.3		55.1/104.3		51.3/104.3	
88.6									
17									
1933		1978		2135		2765		2877	
4.5/4.2		4.5/4.2		4.8/4.5		4.8/4.3		5.0/4.6	
5900		6000		6500		8100		8400	
2660/3240		2660/3280		2900/3600		3640/4460		3800/4600	
8000/900		8060/940		9000/1000		10900/1200		12060/1340	
400		48/550				48/600			
950		3150				3250			
3.6*18.3		28.6*38.6*19.7				20.7*41.3*31.8			
10.7(AC)						14.9(AC)			
10.0(DC)				11.5(DC)		14.1(DC)			
MOSFET/AC MOSFET/DC									
Hydraulic/Mechanical									
3100				2600		2600		2600	

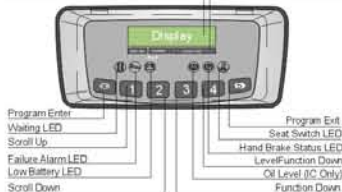


2000lbs 3000lbs 3500lbs 4000lbs 5000lbs

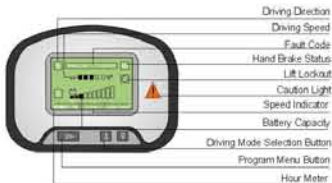
**Note:**

Vertical axis represents load capacity while horizontal axis represents load center. Load center is the distance measured from the front of forks to the center of load. Load capacities will be reduced based upon extended load length, forward tilt or use of attachment.

Alphanumeric display Battery discharge indicator



ZAPI Display



CURTIS Display

### 2-STAGE STANDARD MAST

Mast model	Max. Fork Height (inch)	Load Capacity (Load Center 24 inch) (lbs)					Overall Height (inch)		Tilt Angle (α / β 31°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	
MC50	98	2000	3000	3500	4000	5000	68.7	68.9	6/12
MJ00	118	2000	3000	3500	4000	5000	78.5	78.7	6/12
MC30	130	2000	3000	3500	4000	5000	84.5	84.7	6/12
MD50	137	2000	3000	3500	4000	5000	88.4	88.6	6/12
MD70	145	2000	3000	3500	4000	4800	92.3	92.5	6/6
MA00	157	2000	3000	3500	4000	4800	100.2	100.4	6/6
MA25	167	2000	2800	3300 *3500	3700	4500	105.1	105.3	6/6 6/12
MA50	177	1900	2700	3100 *3400	3600	4300	110.0	110.2	6/6 6/12
ME00	196	1860	2000 *2500	2000 *3200	3200 *3400	3200 *4000	119.9	120.1	6/6 6/6
ME50	217	1800	1800 *2300	1900 *3000	3000 *3200	3000 *3800	131.7	131.9	3/6
ME00	236	1200 *1700	1200 *2100	1200 *2800	1900 *3000	1900 *3600	141.5	141.7	3/6

### 2-STAGE FULL FREE MAST

Mast model	Max. Fork Height (inch)	Load Capacity (Load Center 24 inch) (lbs)					Overall Height (inch)		Free Lift (With STD backrest) (inch)		Tilt Angle (α / β 31°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	2000-3500lbs	4000-5000lbs	
2Mc50	98	2000	3000	3500	4000	5000	68.7	68.7	26.9	29.3	6/12
2MJ00	118	2000	3000	3500	4000	5000	78.5	78.5	38.8	39.2	6/12
2Mc30	130	2000	3000	3500	4000	5000	84.5	84.5	44.7	45.1	6/12
2MD50	137	2000	3000	3500	4000	5000	88.4	88.4	48.6	49.0	6/12
2MD70	145	2000	3000	3500	4000	4800	92.3	92.3	53.5	53.0	6/6
2MA00	157	2000	3000	3500	4000	4800	100.2	100.2	60.4	60.8	6/6
2MA25	167	2000	2800	3300 *3500	3700	4500	105.1	105.1	65.4	65.8	6/6 6/12
2MA50	177	1900	2700	3100 *3400	3600	4300	110.0	110.0	70.3	70.7	6/6 6/12
2ME00	196	1860	2000 *2500	2000 *3200	3200 *3400	3200 *4000	119.9	119.9	80.1	80.5	6/6 6/6
2ME50	217	1800	1800 *2300	1900 *3000	3000 *3200	3000 *3800	131.7	131.7	91.9	92.3	3/6
2ME00	236	1200 *1600	1200 *2100	1200 *2800	1900 *3000	1900 *3600	141.5	141.5	101.8	102.2	3/6

### 3-STAGE FULL FREE MAST

Mast model	Max. Fork Height (inch)	Load Capacity (Load Center 24 inch) (lbs)					Overall Height (inch)		Free Lift (With STD backrest) (inch)		Tilt Angle (α / β 31°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	2000-3500lbs	4000-5000lbs	
2SM60	142	2000	2800	3500	4000	4800	70.6	70.7	30.7	31.3	6/6
2SM400	157	2000	2800	3300	3800	4600	75.4	75.6	35.8	36.2	6/6
2SM435	171	1900	2600	3000 *3400	3700	4400	80.3	80.5	40.6	41.1	6/6 6/6
2SM450	177	1900	2600	3000 *3300	3500	4200	82.3	82.5	42.5	42.9	6/6 6/6
2SM470	185	1860	2500	2900 *3200	3440	4000	85.0	85.0	45.3	45.7	6/6 6/6
2SM480	189	1840	2500	2900 *3100	3400	3900	86.2	86.4	45.5	47.1	6/6 6/6
2SM500	196	1800	2000 *2400	2000 *3100	3200	3200 *3800	90.2	90.4	50.4	51.0	6/6 6/6
2SM640	212	1500 *1800	1600 *2300	1600 *2860	3000	3000 *3600	95.1	95.3	55.5	55.9	3/6 3/6
2SM600	236	1100 *1700	1100 *2100	1100 *2760	1900 *2900	1900 *3400	104.3	104.1	64.6	64.8	3/6 3/6
2SM650	256	*1800	*2000	*2600	1200 *3000	1200 *3000	112.4	-	72.6	-	3/6 3/6

NOTE: (1) Rated capacity with front dual tires.  
 (2) CPD10-18: The free height of full free 2-stage mast without backrest increase 15.87inch.  
 CPD10-18: The free height of full free 3-stage mast without backrest increase 19.53inch.  
 (3) CPD20-25: The free height of full free 2-stage mast without backrest increase 18.07inch.  
 CPD20-25: The free height of full free 3-stage mast without backrest increase 17.83inch.

**HELI**

**h2000**  
POWERED



**Four  
Wheel**  
**2,000-5,000 lbs**  
**H Series**  
**AC Electric Forklift**

**STANDARD EQUIPMENT**

Wide view mast  
ZAPI AC electronic drive control  
Full light package  
118" standard 2-stage mast  
Tilt cylinders  
Rear view mirrors  
Standard ITA carriage  
3-function control valve  
Pneumatic tires  
Load backrest  
Tool kit

**OPTIONS**

2 & 3 stage wide view mast with full free lift  
4-spool hydraulics  
Hang-on or integral side shift attachments  
Solid pneumatic tires  
Non-marking tires  
Rear work light  
Strobe light

**CC** & **Lift/Truck** *Inc.*