

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



**H Series
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





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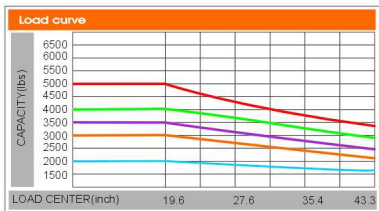
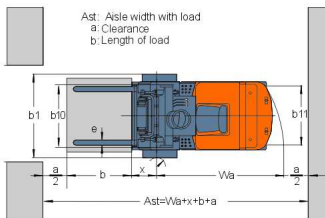
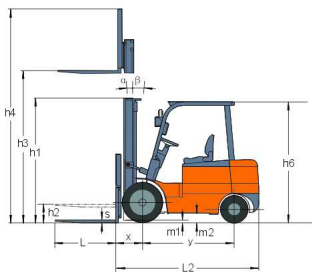
**Four
Wheel**

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		36.2	
11	Tire Size, Front	b10(inch)		
12	Tire Size, Rear	b11(inch)		
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	h2(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/e/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	Wa(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 Aisle Width(Pallet Size 40x40inch, Clearance:7.9inch)	Ast(inch)	134.6	
27	Right Stack Aisle Width(Pallet Size 48x48inch, Clearance:7.9inch)	Ast(inch)	142.5	
Performances				
28	Travel Speed, With/Without Load	mile/h	8.7/9.4	
29	Lifting Speed, With/Without Load	ft/min	57.1/88.6	
30	Lowering Speed	ft/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	
Weight				
34	Total Weight (with battery)	lbs	5300	
35	Axle Unloaded,Front/Rear	lbs	2400/2900	
36	Axle Loaded,Front/Rear	lbs	6570/7300	
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 & Controller				
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	
24 Battery									
49.2		53.9			53.9		59.6		
Pneumatic 2/2									
37.4			37.4			37.8			
36.2			36.2			37.4			
6.5-10-10PR						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		51.2/104.3	
88.6									
17			15			16		15	
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			2150			2250			
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									
2100					2600		2600		2600



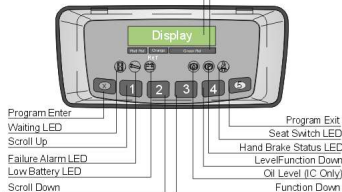
2000lbs 3000lbs 3500lbs 4000lbs 5000lbs

Note:

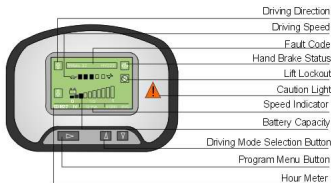
Vertical axis represents load capacity while horizontal axis represents load center. Load center is the distance measured from the front of forks to the center of load. Load capacities will be reduced based upon extended load length, forward tilt or use of attachment.

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 11°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	
M250	98	2000	3000	3500	4000	5000	68.7	68.9	6/12
M300	118	2000	3000	3500	4000	5000	78.5	78.7	6/12
M330	130	2000	3000	3500	4000	5000	84.5	84.7	6/12
M350	137	2000	3000	3500	4000	5000	88.4	88.6	6/12
M370	145	2000	3000	3500	4000	4900	92.3	92.5	6/6
M400	157	2000	3000	3500	4000	4800	100.2	100.4	6/6
M425	167	2000	2800	3300 *3500	3700	4500	105.1	105.3	6/6 6/12
M450	177	1900	2700	3100 *3400	3600	4300	110.0	110.2	6/6 6/12
M600	196	1860	2000 *2500	2000 *3200	3200 *3400	3200 *4000	119.9	120.1	6/6 6/6
M650	217	1800	1800 *2300	1900 *3000	3000 *3200	3000 *3800	131.7	131.9	3/6
M800	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 11°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	2000-3500lbs	4000-5000lbs	
ZM250	98	2000	3000	3500	4000	5000	68.7	68.7	28.9	29.3	6/12
ZM300	118	2000	3000	3500	4000	5000	78.5	78.5	38.8	39.2	6/12
ZM330	130	2000	3000	3500	4000	5000	84.5	84.5	44.7	45.1	6/12
ZM350	137	2000	3000	3500	4000	5000	88.4	88.4	48.6	49.0	6/12
ZM370	145	2000	3000	3500	4000	4900	93.3	92.3	53.5	53.0	6/6
ZM400	157	2000	3000	3500	4000	4800	100.2	100.2	60.4	60.8	6/6
ZM425	167	2000	2800	3300 *3500	3700	4500	105.1	105.1	65.4	65.8	6/6 6/12
ZM450	177	1900	2700	3100 *3400	3600	4300	110.0	110.0	70.3	70.7	6/6 6/12
ZM500	196	1860	2000 *2500	2000 *3200	3200 *3400	3200 *4000	119.9	119.9	80.1	80.5	6/6 6/6
ZM650	217	1800	1800 *2300	1900 *3000	3000 *3200	3000 *3800	131.7	131.7	91.9	92.3	3/6
ZM800	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 11°)
		CPD10	CPD15	CPD18	CPD20	CPD25	2000-3500lbs	4000-5000lbs	2000-3500lbs	4000-5000lbs	
ZSM360	142	2000	2900	3500	4000	4800	70.5	70.7	30.7	31.3	6/6
ZSM400	157	2000	2800	3200	3800	4600	75.4	75.6	35.8	36.2	6/6
ZSM435	171	1900	2600	3000 *3400	3700	4400	80.3	80.5	40.6	41.1	6/6 6/6
ZSM450	177	1900	2600	3000 *3300	3500	4200	82.3	82.5	42.5	42.9	6/6 6/6
ZSM470	185	1860	2560	2900 *3200	3440	4000	85.0	85.0	45.3	45.7	6/6 6/6
ZSM480	189	1840	2500	2900 *3160	3400	3900	86.2	86.4	46.5	47.1	6/6 6/6
ZSM500	196	1800	2000 *2400	2500 *3100	3200	3200 *3800	90.2	90.4	50.4	51.0	6/6 6/6
ZSM540	212	1500 *1800	1600 *2300	1600 *2960	3000	3000 *3600	95.1	95.3	55.5	55.9	3/6 3/6
ZSM600	236	1100 *1700	1100 *2100	1100 *2760	1900 *2900	1900 *3400	104.3	104.1	64.6	64.8	3/6 3/6
ZSM650	256	*1600	*2000	*2500	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 16.97inch;
 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.



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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



Frontier Forklifts

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