

**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





H Series AC Electric Forklift

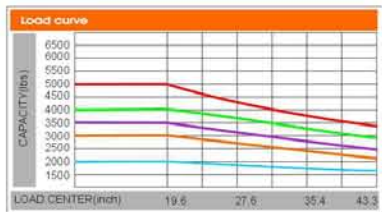
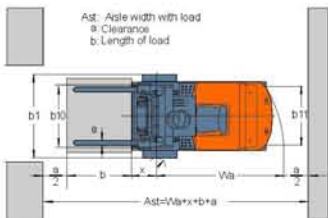
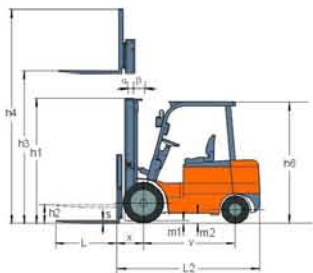
Four Wheel

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 | 6.7/9.4 | |
| 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 | |

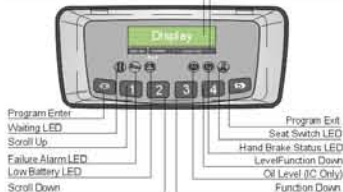


2000lbs 3000lbs 3500lbs 4000lbs 5000lbs

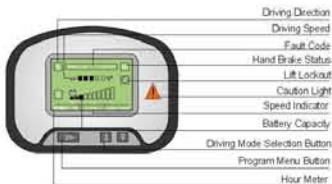
Note:

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 | *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 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.



**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

**Industrial
Forklifts**

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*The specifications are based on the information available at the time of printing and may be changed without notice.