



# JAC FORKLIF

H Series Internal Combustion  
Counterbalanced Forklift Truck

CPC42H/CPC45H/CPCD45H/CPC50H/CPCD50H



H

*Transport expert roots in au*



## Selling Points of H Series 4.2-5 Ton Internal Combustion Cou



### No.1 Excellent operating performance

#### • Low fuel consumption

The fuel consumption at maximum running speed under full load (4.5 tons) is 6.5L/h, so that the energy will be saved and the environment will be protected.

#### • Load sensing hydraulic system

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.



#### • Engine electrical system adopts water-proof connectors

The imported water-proof connectors are more reliable.

Water-proof grade Ip65

#### • Reliable sealing of oil tank cover

The cover adopts flange sealing against leak.



- **High-mount air intake**

Mechanical gear: The air intake is realized with two high-mounted air filters, so as to prolong the service life of engine.



- **Emergency stop switch**

Mechanical gear: One-button-based control, which can effectively protect the electrical system.



- **The gear-shift force is low**

Provided as standard configuration, the synchronizer-based transmission is easy to operate and can save labor.

## No.4

- **Early-warning of instru**

Regular early-warning of service.

## No.3

### Comfortable driving

- **Wide mast**

Wide mast broadens visual field.



**Labor-saving clutch control**  
The control mechanism adopts high lever ratio, so that it is easy and convenient to operate.

- **Large opening angle of engine hood**

The engine hood can be lifted to 80° for easy maintenance.

- **The 1st shaft of tran**

## H Series Internal Combustion Counterbalanced Forklift Truck

### 2M WFOV BASIC MAST

Lift height	Load capacity		Overall height of mast			Hydraulic	
			Forks(on the ground)	Fully extended		FR/RR	
				With backrest	Without backrest	Single tire	Dual tire
Front wheel	Single tire	Dual tire					
mm	kg	kg	mm	mm	mm	°	
2500	4500	4500	2015	3730	3380	6/12	
2700	4500	4500	2115	3930	3580	6/12	
3000	4500	4500	2265	4230	3880	6/12	
3300	4500	4500	2415	4530	4180	6/12	
3500	4500	4500	2515	4730	4380	6/12	
3750	4500	4500	2640	4980	4630	6/12	
4000	4500	4500	2815	5230	4880	6/12	
4250	4500	4500	2940	5480	5130	6/12	
4500	4300	4500	3065	5730	5380	6/12	
4750	4100	4500	3190	5980	5630	6/12	
5000	3900	4300	3315	6230	5880	6/6	
5500	3600	3900	3615	6730	6380	3/6	
6000	3300	3500	3865	7230	6880	3/6	

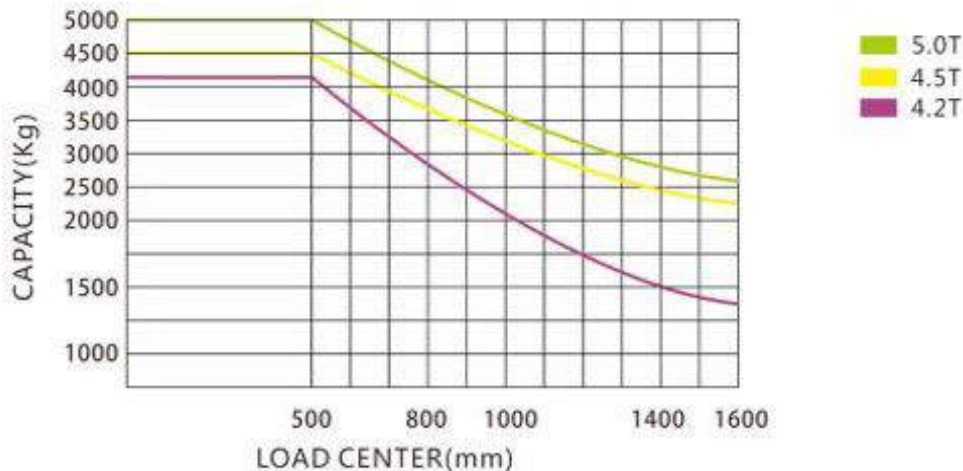
### BM 2-STAGE FULL FREE MAST

Lift height	Load capacity		Overall height of mast					Hydraulic
			Forks(on the ground)	Fully extended		Free		
				With backrest	Without backrest	With backrest	Without backrest	
Front wheel	Single tire	Dual tire						
mm	kg	kg	mm	mm	mm	mm	mm	
2500	4500	4500	2015	3730	3380	2015	2365	
2700	4500	4500	2115	3930	3580	2115	2465	
3000	4500	4500	2265	4230	3880	2265	2615	
3300	4500	4500	2415	4530	4180	2415	2765	
3500	4500	4500	2515	4730	4380	2515	2865	
3600	4500	4500	2640	4830	4480	2640	2990	
3700	4500	4500	2815	4930	4580	2815	3165	
4000	4500	4500	2940	5230	4880	2940	3290	
4250	4300	4500	3065	5480	5130	3065	3415	
4500	4100	4500	3190	5730	5380	3190	3540	

### CM 3-STAGE FULL FREE MAST

<https://www.besttruckmanuals.com/>

## LOAD CAPACITY



**Note:** the vertical axis represents the LOAD CENTER. The frontage of fork. The basic point of with load side 1000mm long. The non-standard fork is adopted or the LOAD CENTER could be time

## STANDARD EQUIPMENT

- Standard forks
- Lamp bracket
- Hour meter
- Tilt adjustable steering wheel
- Battery
- Standard seat
- Electric horn
- Air cleaner clogging alarm
- Tilt circuit self-locking valve
- Cyclone
- Charging indication
- 2-piece selector valve
- WFOV mast
- Full hydraulic power steering
- Pointer
- Backrest
- Engine choke
- Cable type parking brake
- Overhead air intake system
- LCD ins
- Backup light
- Direction switch
- Lift/tilt lever
- Handle
- Hydraulic
- Back-up buzzer
- Combination taillight
- Lift circuit governor valve
- Coolant temperature gauge
- Hydraulic
- Side mirror
- Rain cover of overhead guard
- Drawbar pin
- Tool kit
- Hydraulic
- Light switch
- Durable rib tire
- Headlight
- Rubber pedal pad
- Oil pres

## OPTIONS EQUIPMENT

- 2(3)-section full free mast
- Deluxe seat
- Cab heater
- Solid tire
- Boom
- High exhaust pipe
- Muffler with spark arrester
- Dual air filter
- Windshield
- Lengthened forks
- Jib
- Rotating beacon
- Hook
- Lengthened fork cover
- Hinged forks
- User specified col
- 2(3)-section full free mast
- Cab
- 3-section full free mast
- Paper roll clamp

## ENGINE TYPE SELECTION AND PARAMETERS

Manufacturer	Power type	Model	Number of cylinders	Bore × stroke	Total displacement L	Rated output/RPM	Rated torque/RPM	Emission standard	CPC42	CPC43
				mm		Kw/r.p.m	Nm/r.p.m			
Xinchang, China	Diesel	A498BPG	4	98 × 105	3.170	45/2500	205/1600-1800	Nationa Stage II		
Xinchang, China	Diesel	4D35G	4	98 × 115	3.460	48/2300	230/1600-1800	Nationa Stage II		
Quanchai, China	Diesel	4JR3ABG18	4	108 × 135	4.94	60/2200	320/1700	Nationa Stage II		
Xichai, China	Diesel	LR4B3-22	4	108 × 125	4.580	57/2200	305/1700	Nationa Stage II		
Perkins, UK	Diesel	1104D-44	4	105 × 127	5.334	55.9/2200	265/2200	EU stage III		

# SPECIFICATIONS

		Model		CPC42H		CPC45H		CPC45 off-road	
	Power type			Displacement	Displacement	Displacement	Displacement	Displacement	Displacement
1	Rated load	kg		4200	4200	4200	4200	4200	4200
2	Load center distance	mm		500	500	500	500	500	500
3	Lift height	mm		3000	3000	3000	3000	3000	3000
4	Free lift height	mm		150	150	150	150	150	150
5	Fork size	mm	L x W x T	1070 x 115 x 30	1070 x 115 x 30	1070 x 115 x 30	1070 x 115 x 30	1070 x 115 x 30	1070 x 115 x 30
6	Max lift angle	°	FR/R	8/10	8/10	8/10	8/10	8/10	8/10
7	Minimum turning radius	mm		2750	2750	2750	2750	2750	2750
8	Minimum right angle stacking side width	mm		4856	4856	4856	4856	4856	4856
9	Minimum right angle aisle width	mm		2642	2642	2642	2642	2642	2642
10	Minimum ground clearance	mm		150	150	150	150	150	150
11	Height of overhead guard	mm		2266	2266	2266	2266	2266	2266
12	Overhang (FR)	mm		547	547	547	547	547	547
13	Maximum travel speed	km/h		20	20	20	20	20	20
14	Maximum lift speed	mm/s	Full load	300	300	300	300	300	300
15	Maximum towbar pull	kN	Full load	37	37	41	41	42	42
16	Gradability	%		30	30	30	30	30	30
17	Overall length	mm	Without forks	3102	3102	3102	3102	3102	3102
18	Overall width	mm		1450	1450	1450	1450	1450	1450
19	Fork height at maximum lift (with backrest)	mm		4425	4425	4425	4425	4425	4425
20	Max height	mm		2020	2020	2020	2020	2020	2020
21	Front wheel		2-8.25-15-14PR	2-8.25-15-14PR	2-8.25-15-14PR	4-8.25-15-14PR	4-8.25-15-14PR	2-16.070-18PR	2-16.070-18PR
22	Rear wheel		2-7.00-12-13PR	2-7.00-12-13PR	2-7.00-12-13PR	2-7.00-12-13PR	2-7.00-12-13PR	2-6.25-12-12PR	2-6.25-12-12PR
23	Wheelbase	mm		2000	2000	2100	2100	2100	2100
24	Front wheel/rear wheel	mm		1180/1280	1180/1280	1180/1280	1180/1280	1400/1200	1400/1200
25	Service weight	kg	Without load	6150	6200	6200	6200	6550	6550
26	Battery	V/Wh	Voltage/capacity	34/80	34/80	34/80	34/80	24/80	24/80
27		level/amp	Model						
28		Rated output	Rated output						
29		Rated torque	Rated torque						
30		Bore x stroke	Number of cylinders						
31		Displacement							
32									
33									
34	Fuel tank capacity	L		90	90	110	110	130	130
35	Transmission (FR/HR/WD)			22/Manual shift	22/Manual shift	22/Manual shift	22/Manual shift	22/Manual shift	22/Manual shift
36	Operating pressure	MPa							
37	Tire type (FR/RR)			Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
38	Number of wheels (FR/RR)	Pos		2/2	2/2	2/2	2/2	2/2	2/2
39	Lowering speed (full load)	mm/s		300	300	300	300	300	300
40	Lowering speed (no load)	mm/s		375	375	375	375	375	375
41	Axis load distribution (Full load) (FR/RR)	kg		2680/1300	2680/1300	2680/1300	2680/1300	2680/1300	2680/1300
42	Axis load distribution (No load) (FR/RR)	kg		2620/1280	2620/1280	2620/1280	2620/1280	2620/1280	2620/1280