



# 4000-6500 lbs

H3C series internal combustion  
counterbalanced cushion forklift truck



HIGH EFFICIENCY  
ENERGY SAVING

**HELI**  
LIFTING THE FUTURE



TOP1 FORKLIFT MANUFACTURER AND SELLER  
IN CHINA FOR CONSECUTIVE 24 YEARS



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### World Class Features

#### Vibration

- > The operator's compartment is suspended on vibration dampening rubber mounts in addition to a full suspension seat as standard to reduce operator fatigue that can reduce operator efficiency that can reduce operator and equipment efficiency.

#### Hydraulic System

- > The hydraulic system is engineered and designed for optimized performance which improves the energy efficiency of the engine and lowers fuel consumption.

#### Noise Reduction

- > The engine compartment is fully insulated to reduce noise levels normally generated by the engine, transmission and hydraulic systems.

#### Standards Compliance

- > All engines meet CARB TIER IV Final requirements
- > All forklifts are designed and manufactured to meet or exceed ANSI B56-1 requirements

#### Operator Compartment

- > Heli forklifts are designed utilizing the latest engineering techniques matching the function of the unit to comfort the operator including ease of entry & exit, excellent visibility, accessibility to the operator controls and more.
- > Semi-suspension seat, small diameter steering wheel, column mounted electro-hydraulic directional control lever contribute to maximum operator efficiency.

#### Reliability

- > Equipped with high capacity all aluminum radiator, the Heli CPYD20-32C forklifts run significantly cooler under both normal and heavy operating conditions which increases the life and efficiency of the engine and transmission.

#### Performance

- > Small turning radius provides maximum maneuverability.
- > Excellent travel & lift speeds delivering outstanding performance in all types of operations.

#### Maintainability

- > 90° engine hood angle contributes to quick and convenient maintenance
- > Removable floor plates provides easy access to powertrain and filters.





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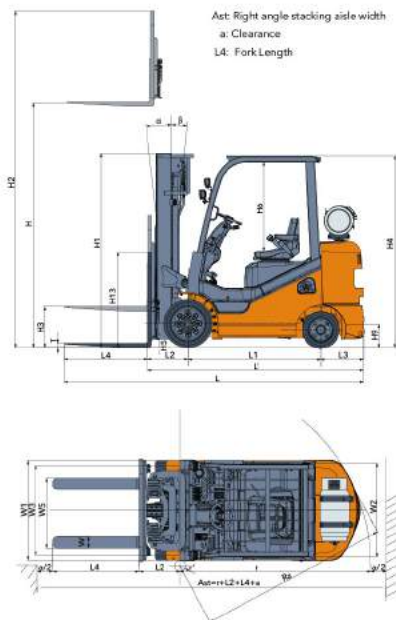
## H3C series internal combustion counterbalanced cushion forklift truck

### Manufacturers Data and Design Characteristics

Character		HBLI				
1.01	Manufacturer					
1.02	Model	CP(Q)/YD20C		CP(Q)/YD25C	CP(Q)/YD30C	CP(Q)/YD32C
1.03	Rated capacity	lbs	4000	5000	6000	6500
1.04	Load center	in	24			
1.05	Operation mode	Seat type				
Size						
2.01	Max.lifting height	H	in	185		
2.02	Mast overall height(fork to the ground and mast be vertical)	H1	in	85	88	
2.03	Max.fork lifting height(with backrest)	H2	in	224	232	
2.04	Free lift height	H3	in	44	39	
2.05	Overall height(overhead guard)	H4	in	83		
2.06	Min.ground clearance(at the mast)	H5	in	4		
2.07	Distance from the surface of the seat to the overhead guard	H6	in	41		
2.08	Traction pin height	H9	in	10		
2.09	Backrest height(calculated from the surface of the fork)	H13	in	40	48	
2.10	Overall length(with fork/without fork)	LA'	in	128.7/92.5	136.8/94.5	140/97.8 141/99
2.11	Wheel base	L1	in	58		
2.12	Front overhang	L2	in	17.5	18.1	
2.13	Rear overhang	L3	in	16.7	19.1	21.7 22.6
2.14	Overall width	W1	in	42	44	
2.15	Tread (front tread/rear tread)	W3/W2	in	35.1/36.2	36.1/36.2	
2.16	Fork adjustable range(the external of the fork)(Max./Min.)	W5	in	40.3/7.85		
2.17	Min.turning radius(exterior)	r	in	76.0	78.3	80.7 81.9
2.18	Min.turning radius(interior)	r'	in	65		
2.19	Min.right angle stacking aisle width	Ra	in	92.5	94.9	97.2 98.8
2.20	Mast tilting angle	$\alpha / \beta$	deg	6/5		
2.21	Fork size	L4×W×T	in	36×4.6×1.57	42×4.6×1.57	42×4.9×1.77 42×4.9×1.77
Performance						
3.01	Max.traveling speed (Loaded/Unloaded)	mph		10.8/10.8		10.8/10.8
3.02	Lifting Speed (Loaded/Unloaded)	fpm		118/103		106/96
3.03	Lowing Speed (Loaded/Unloaded)	fpm		96/96		98/98
3.04	Max.drawbar pull (Loaded/Unloaded)	lbs		4495/2700	4495/2700	4495/2700 4495/2700
3.05	Max.Gradeability (Loaded/Unloaded)	%		35/20	32/20	25/20 25/20
Weight						
4.01	Total weight	lbs		8466	9480	10725 11067
4.02	Weight distribution loaded (front/rear)	lbs		10965/1500	12785/1742	14495/2225 15210/2360
4.03	Weight distribution unloaded (front/rear)	lbs		4080/4286	4010/5470	4155/6570 4010/7057
Wheel and tire						
5.01	Wheel number z = drive wheel (front/rear)	2X/2				
5.02	Tyre type(front/rear)	Cushion tyre				
5.03	Tyre size(front/rear)	21x7-15/16x6-10.5 21x7-15/16x6-10.5 21x8-15/16x6-10.5 21x8-15/16x6-10.5				
5.04	Service brake	Hydraulic-Foot Pedal				
5.05	Parking brake	Mechanical-Hand Lever				

## Drive and transmission control device

Model		CPQJYD26C	CPQJYD25C	CPQJYD30C	CPQJYD32C
Engine type		Gasoline/LPG			
Battery(Voltage/Capacity)	V/Ah	12/60			
Engine mode		Mitsubishi 4G64 (PSI)			
Engine rated power	SAE HP	Gasoline: 75 @ 2700rpm / LPG: 70 @ 2700rpm			
Engine rated torque	SAE ft.lb	Gasoline: 137 / LPG: 132			
Engine cylinder number		4			
piston displacement	cu.in.	143			
Engine fuel tank capacity	US gal	13.2			
Transmission box shifting gear(front/rear type)		1-1Power Shift T/M			

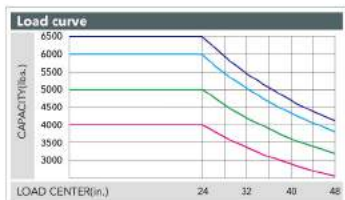




# WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height (m)	Load Capacity at 24" Load Center (lbs.)				Mast total height (ft. to the ground) (ft.)		Free lifting height (with load) (ft.)		Service weight (lbs.)				Mast tilt angle (°) α/β
		4000lb	5000lb	6000lb	6500lb	4000-5000lb	6000-6500lb	4000-5000lb	6000-6500lb	4000lb	5000lb	6000lb	6500lb	
ZSM360	141.7	4000	5000	6000	6500	70.1	74	29.9	24.5	8225	9239	10492	10834	6/5
ZSM400	157.5	4000	5000	6000	6500	75	79.3	34.8	29.8	8320	9333	10591	10933	6/5
ZSM435	171.2	4000	5000	6000	6500	79.9	83.8	39.7	34.3	8395	9410	10662	11004	6/5
ZSM450	177.1	4000	5000	6000	6500	82.5	85.8	42.3	36.3	8427	9441	10672	11013	6/5
ZSM470	185	4000	5000	6000	6500	84.4	87.8	44.2	38.3	8465	9480	10725	11067	6/5
ZSM480	189	3950	4800	5900	6350	85.8	89.8	45.6	40.3	8489	9503	10756	11097	6/5
ZSM500	196.8	3900	4600	5800	6250	89.8	92.1	49.6	42.6	8545	9560	10794	11136	6/5
ZSM540	212.6	3800	4550	5600	6000	94.7	98	54.5	48.5	8627	9641	10887	11229	3/5
ZSM600	236.2	3350	3200	5100	4700	103.5	106.5	63.3	57	8846	9860	11102	11443	3/5
ZSM650	255.9	2500	2900	3050	2800	111	113.8	70.8	64.3	8964	9978	11217	11559	3/3
ZSM700	275.6	1700	1800	1800	1700	121.6	123.6	81.4	74.1	9129	10143	11373	11714	3/3

Note: 4000-5000lb free lift height (without load) + 14.2 ft;  
6000-6500lb free lift height (without load) + 17.5 ft



CPQYD20C

CPQYD25C

CPQYD30C

CPQYD32C

**Note:** The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 39.37in. length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

## Reliable special designed instrument



■ Reliable dashboard shows the truck's working condition, faults and other important information which makes operator controls the truck directly and conveniently.

### Standard Equipment

Horn	Standard fork
Three-spool control valve	Integrated electric box
3-stage full free lift mast	Speed-limiting valve
Power steering	Lifting and tilting operation lever
Semi-suspension seat	Tow pin
Load backrest	Overhead guard
Rearview mirror	Combined display
Front combo lights	Electro-hydraulic direction changing
Transmission oil filter	Traveling OPS control system
Rear combo lights	LPG Low Fuel Indicator & Light
Back-up alarm	U.S. standard screw thread
Overhead guard rain cover	Hose block and tackle

### Optional

Max. speed control system	No hand brake alarm
LED Rotating Light	Back up handle with horn button
Dual Air Filter	
Fork sleeve	
Wide Carriage	
Rearwork light	
Lifting OPS control system	
Torque converter oil temperature meter	
Optional attachments	
Rotating seat for LPG	
Swing Out/Drop-Down LPG Bracket	
LED headlights	

\* Details of specifications and equipment are based on information available at time of printing and may change without notice.

AUTHORIZED DEALER