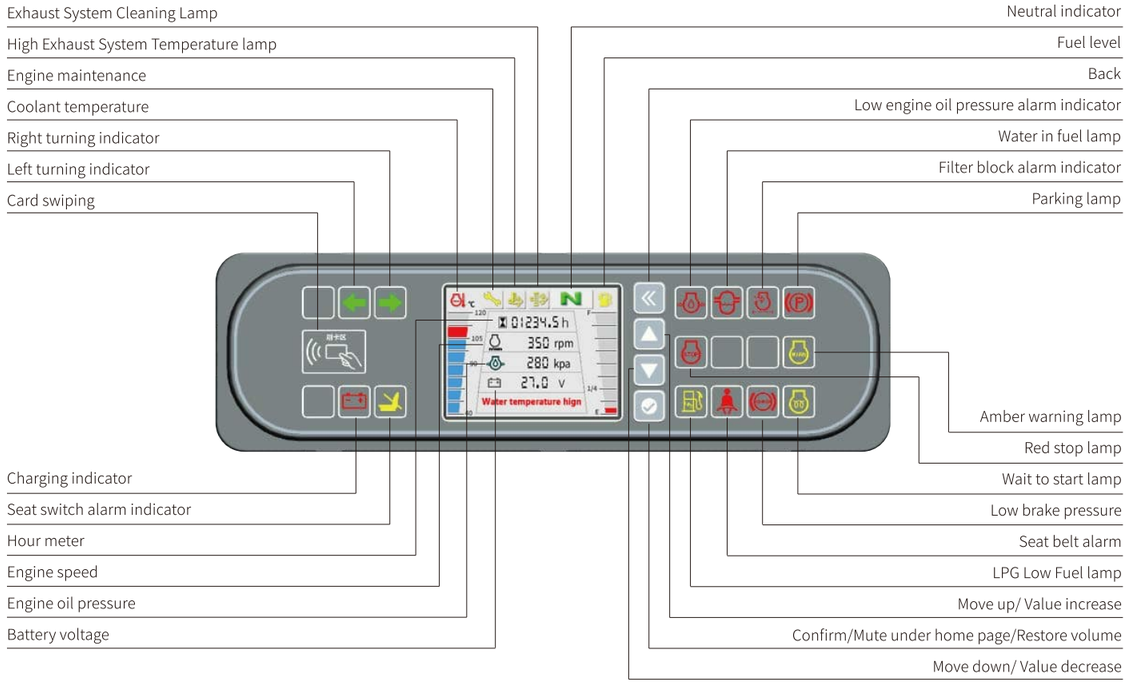
HELI

Instrument Panel



Standard configuration

- Horn
- Two-spool control valve
- Basic type mast
- Power steering
- Load backrest
- Rear view mirror
- Rear grab handle with horn button
- Wet brake
- Front combo lights (LED)
- Rear combo lights (LED)
- Transmission oil filter
- Back-up alarm
- Overhead guard rain cover
- Standard forks
- Integrated electric box
- SAE hydraulic
- Tow pin
- Overhead guard
- LED headlights
- Travling OPS control system
- LPG Low Fuel Indicator
- Combined display
- Lifting and tilting operation lever
- Speed-limiting valve
- Bracket
- No-marking cushion tyre
- American thread
- Steering axle cylinder sleeve
- Hydraulic electronic parking brake
- Rotating seat for LPG
- USB interface

Optional

- LED Rotating Light
- Hydraulic Fork Positioner
- Rear work light
- Lifting OPS control system
- Torque converter oil temperature meter
- Optional attachments
- Three-spool control valve
- Four-spool control valve
- Five-spool control valve
- No hand brake alarm
- Synchronous control function
- Speed control device
- Blue light
- Three sided lamp
- Sling
- American thin pointed fork
- Customer made color
- Intelligent safty buffer system
- Integrated fingertip operation system
- Weighting system
- Reverse radar image
- Overload protection
- Cushion tyre with marking
- Wide view full free 3-stage mast

HELI AMERICA INC
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E-MAIL:heli@heliforkliftamerica.com
TEL: 404-975-3143

Catalog No.20250206 Fokeli Print

CPYD 55/60/70C



12000-15500 lbs [5.5-7t]

H3C IC Cushion Tire Forklift



Heli H3C Series Features
Improved performance Superior quality

Ergonomics

- Vibration isolators separate the operator compartment from the main frameand the engine/transmission which absorb the truck’ s vibration for increasedoperator comfort.
- Engine performance and repositioned hydraulic pump offer quieter and smootheroperation and less noise.
- Improved hydraulic control functions also reduce noise and increase performance.

Operator Comfort - Visibility

- Operator compartment has been enhanced by creating more foot and leg roomwith plenty of head room under the overhead guard.
- Visibility has been improved with narrower mast channels and more open overhead guard.
- Higher contrast LED display makes it easier to see in all lighting conditions.
- Comfortable suspension seat is standard with full adjustment for different operators.
- Low, wide step and grab handle make for easy entry to operator’ s compartment.
- Controls and park brake are within easy reach to reduce operator strain.
- Dual suspension structure of flexible connection between transmission box anddrive axle and suspension connection between overhead guard and truck frame effectively reduce truck vibration.



Increased Productivity

- Smaller turning radius and hydraulic power steering makes for tighter turns and easier steering operation.
- Reliable powershift transmission relieves operator from constantly shifting transmission.
- H3C series hydraulic performance has been enhanced for maximum productivity.
  Ergonomically designed operator’ s compartment enhances operator
- productivity, as well as providing safety and comfort.

Improved Performance

- All aluminum radiator increases air flow and dissipates heat more efficiently.
- Smaller steering wheel with fewer turns lock-to-lock for quicker turns.
- Lifting cylinders are damped to reduce noise and provide smoother operation.
- Heavy duty powertrain offers exceptional performance in all applications.

Serviceability

- Hood opens to an 60 degree angle and floor board is removable for easier access to all important chassis components.
- Electrical system, wiring, and hydraulic hoses are convenient and logically laid out with access from above and below.
- All grease points are accessible, including cast steel axle.
- Lubrication chart is located on front of operator compartment to highlight essential lubrication requirements.

Safety

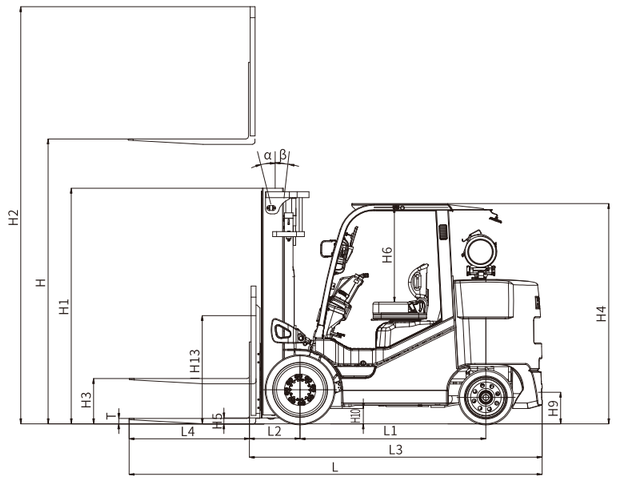
- All Heli forklifts for North America meet ANSI B56.1 Safety Standard for Powered
- Rear grab handle and horn button allows operator to safely drive in reverse.
- Strobes, Beacons or Blue Lights and Alarms are all available.

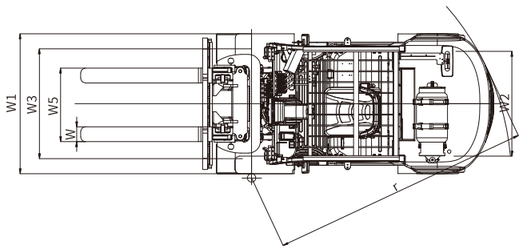
Manufacturers Data and Design Characteristics 1

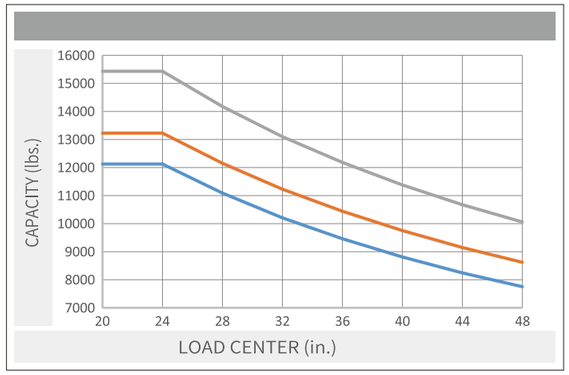
1.01	Manufacturer				HELI	
1.02	Model				CPYD55C	
1.03	Configuration number				KUHBCS	
	Characteristics					
2.01	Rated capacity		lb	kg	12000	5500
2.02	Load center distance		in	mm	24	610
2.03	Power mode				LPG	
2.04	Driving mode				坐驾式Seat-type	
2.05	Front overhang	L2	in	mm	18.5	470
2.06	Wheelbase	L1	in	mm	70.5	1790
2.07	Weight		lb	kg	17420	7900
	Dimensional parameters					
3.01	Mast tilt angle (forward/backward)	α/β		°	5/6	
3.02	Height (mast lowered)	H1	in	mm	86.6	2200
3.03	Free lifting height	H3	in	mm	5.9	120
3.04	Lifting height (standard)	H	in	mm	118	3000
3.05	Max. height,extended (with backrest)	H2	in	mm	159	4040
3.06	Height of overhead guard	H4	in	mm	85.6	2175
3.07	Distance from the surface of the seat to the overahead guard	H6	in	mm	40.9	1040
3.08	Traction pin height	H9	in	mm	11.2	285
3.09	Ground clearance (between mast)	H5	in	mm	3.4	85
3.10	backrest height	H13	in	mm	47.6	1210
3.11	Overall length (with fork)	L	in	mm	154.5	3925
3.12	Overall length (without fork)	L3	in	mm	106.5	2705
3.13	Overall width	W1	in	mm	55.9	1420
3.14	Distance across fork-arms, Max./Min.	W5	in	mm	47/12	1195/300
3.15	Fork size:thickness x width x length	T/W/L4	in	mm	2.36x5.9x48	60x150x1220
3.16	Tread, front	W3	in	mm	43.9	1115
3.17	Tread, rear	W2	in	mm	41	1043
3.18	Right angle stacking aisle width for pallet 1200 x1200mm crossways	Ast	in	mm	160	4050
3.19	Min. outside turning radius	r	in	mm	93.7	2380
	Performance Data					
4.01	Travel speed (laden/unladen)		mph	km/h	13/13	21/21
4.02	Lift speed (laden/unladen)		fpm	mm/s	106/108	540/550
4.03	Lowering speed (laden/unladen)		fpm	mm/s	109/109	555/555
4.04	Max.drawbar pull (laden/unladen)		kN	kN	45/22	37/16
4.05	Max.gradeability (laden/unladen)		%	%	34/18	34/18
	Tyres					
5.01	Wheels,number front/rear (x=driven wheels)				2X/2	
5.02	Tyre type front/rear				Cushion-tyre	
5.03	Tyre size,front				22x12x16	
5.04	Tyre size,rear				18x8x12.125	
	Combustion-engine					
6.01	Engine manufacturer/Moel				Kubota WG3800	
6.02	Rated power/Speed		HP/rpm	Kw/rpm	84.8/2400	63.2/2400
6.03	Max. torque/Speed		(ft*lb)/rpm	Nm/rpm	208.3/1200	282.4/1200
6.04	Cylinder number-bore x stroke				4-100x120	
6.05	Piston displacement		cu in	L	230.1	3.77
6.07	Engine Emissions				Certified	
	other					
7.01	Transmission type				Hydraulic transmission - electro-hydraulic directional change	
7.02	Transmission number of speed (fwd/bwd)				2/1	
7.03	Service brake				Hydraulic-Foot Pedal	
7.04	Parking brake				Electrical hydraulic braking	
7.05	Operating pressure for attachments			mpa	23.5	
7.06	Battery voltage/Capacity			V/Ah	12/80	

Manufacturers Data and Design Characteristics 2

1.01	Manufacturer				HELI			
1.02	Model				CPYD60C		CPYD70C	
1.03	Configuration number				KUH			
	Characteristics							
2.01	Rated capacity		lb	kg	13500	6000	15500	10000
2.02	Load center distance		in	mm	24	610	24	610
2.03	Power mode				LPG			
2.04	Driving mode				Seat-type			
2.05	Front overhang	L2	in	mm	20.9	530	20.9	530
2.06	Wheelbase	L1	in	mm	74.2	1885	74.2	1885
2.07	Weight		lb	kg	19490	8840	21140	9590
	Dimensional parameters							
3.01	Mast tilt angle (forward/backward)	α/β		°	6/10			
3.02	Height (mast lowered)	H1	in	mm	94.5	2400	98.4	2400
3.03	Free lifting height	H3	in	mm	4.9	125	4.9	125
3.04	Lifting height (standard)	H	in	mm	118	3000	118	3000
3.05	Max. height,extended (with backrest)	H2	in	mm	174.6	4435	174.6	4435
3.06	Height of overhead guard	H4	in	mm	88	2235	88	2235
3.07	Distance from the surface of the seat to the overahead guard	H6	in	mm	40.9	1040	40.9	1040
3.08	Traction pin height	H9	in	mm	13.6	345	13.6	345
3.09	Ground clearance (between mast)	H5	in	mm	3.4	85	3.4	85
3.10	backrest height	H13	in	mm	47.6	1210	47.6	1210
3.11	Overall length (with fork)	L	in	mm	166.1	4220	166.1	4220
3.12	Overall length (without fork)	L3	in	mm	118	3000	118	3000
3.13	Overall width	W1	in	mm	55.9	1420	55.9	1420
3.14	Distance across fork-arms, Max./Min.	W5	in	mm	47/12	1195/300	47/12	1195/300
3.15	Fork size:thickness x width x length	T/W/L4	in	mm	2.36x5.9x48	60x150x1220	2.36x5.9x48	60x150x1220
3.16	Tread, front	W3	in	mm	43.9	1115	43.9	1115
3.17	Tread, rear	W2	in	mm	45.8	1163	45.8	1163
3.18	Right angle stacking aisle width for pallet 1200 x1200mm crossways	Ast	in	mm	170	4320	170	4320
3.19	Min. outside turning radius	r	in	mm	102	2590	102	2590
	Performance Data							
4.01	Travel speed (laden/unladen)		mph	km/h	13/13	21/21	13/13	21/21
4.02	Lift speed (laden/unladen)		fpm	mm/s	104/106	530/540	104/106	530/540
4.03	Lowering speed (laden/unladen)		fpm	mm/s	104/104	530/530	104/104	530/530
4.04	Max.drawbar pull (laden/unladen)		kN	kN	45/22	45/22	45/22	45/22
4.05	Max.gradeability (laden/unladen)		%	%	31/24	31/24	27/23	27/23
	Tyres							
5.01	Wheels,number front/rear (x=driven wheels)				2X/2			
5.02	Tyre type front/rear				Cushion-tyre			
5.03	Tyre size,front				28x12x22		28x12x22	
5.04	Tyre size,rear				22x10x16		22x10x16	
	Combustion-engine							
6.01	Engine manufacturer/Moel				Kubota WG3800			
6.02	Rated power/Speed		HP/rpm	Kw/rpm	84.8/2400	63.2/2400	84.8/2400	63.2/2400
6.03	Max. torque/Speed		(ft*lb)/rpm	Nm/rpm	208.3/1200	282.4/1200	208.3/1200	282.4/1200
6.04	Cylinder number-bore x stroke				4-100x120			
6.05	Piston displacement		cu in	L	230.1	3.77	230.1	3.77
6.07	Engine Emissions				Certified			
	other							
7.01	Transmission type				Hydraulic transmission - electro-hydraulic directional change			
7.02	Transmission number of speed (fwd/bwd)				2/1			
7.03	Service brake				Hydraulic-Foot Pedal			
7.04	Parking brake				Electrical hydraulic braking			
7.05	Operating pressure for attachments			mpa	23.5			
7.06	Battery voltage/Capacity			V/Ah	12/80			







CPYD55CBCS
CPYD60C
CPYD70C

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.

5.5t WIDE VIEW MAST

Mast Model	Max lifting height		Capacity (load center 610mm)		Overall Height		Freelift (With Backrest)		Tilt Range	Service Weight(unload)	
			CPYD55CBCS		CPYD55CBCS					CPYD55CBCS	
	in	mm	lb	kg	in	mm	in	mm		lb	kg
M250	99	2500	12000	5500	76.7	1950	4.7	120	5/6	16670	7560
M280	110	2800	12000	5500	82.6	2100	4.7	120	5/6	16760	7600
M300	118	3000	12000	5500	86.6	2200	4.7	120	5/6	16800	7620
M330	130	3300	12000	5500	92.5	2350	4.7	120	5/6	16870	7650
M340	134	3400	12000	5500	94.6	2405	4.7	120	5/6	16910	7670
M350	138	3500	12000	5500	96.6	2455	4.7	120	5/6	16940	7680
M375	147.5	3750	12000	5500	101.7	2585	4.7	120	5/6	17000	7710
M400	157.5	4000	12000	5500	107.6	2735	4.7	120	5/6	17090	7750

6-7t WIDE VIEW MAST

Mast Model	Max lifting height		Capacity (load center 610mm)				Overall Height		Freelift (With Backrest)		Tilt Range	Service Weight(unload)			
			CPYD60C		CPYD70C		CPYD60/70C					CPYD55CBCS			
	in	mm	lb	kg	lb	kg	in	mm	in	mm		lb	kg	lb	kg
M250	99	2500	13500	6000	15500	7000	84.6	2150	4.9	125	6/12	18390	8340	20090	9110
M280	110	2800	13500	6000	15500	7000	90.5	2300	4.9	125	6/12	18470	8375	20160	9145
M300	118	3000	13500	6000	15500	7000	94.4	2400	4.9	125	6/12	18520	8400	20220	9170
M330	130	3300	13500	6000	15500	7000	100.4	2550	4.9	125	6/12	18600	8435	20300	9205
M340	134	3400	13500	6000	15500	7000	102.3	2600	4.9	125	6/12	18630	8450	20330	9220
M350	138	3500	13500	6000	15500	7000	104.3	2650	4.9	125	6/12	18650	8460	20350	9230
M375	147.5	3750	13500	6000	15500	7000	109.2	2775	4.9	125	6/12	18720	8490	20420	9260
M400	157.5	4000	13500	6000	15500	7000	114.1	2900	4.9	125	6/12	18790	8520	20480	9290

5.5t WIDE VIEW FULL FREE 3-STAGE MAST

Mast Model	Max lifting height		Capacity (load center 610mm)		Overall Height		Freelift (With Backrest)		Tilt Range	Service Weight(unload)	
			CPYD55CBCS		CPYD55CBCS					CPYD55CBCS	
	in	mm	lb	kg	in	mm	in	mm		lb	kg
ZSM360	141.5	3600	12000	5500	75.7	1925	22.6	575	5/6	17240	7820
ZSM400	157.5	4000	12000	5500	81.1	2060	27.9	710	5/6	17350	7870
ZSM420	165.5	4200	12000	5500	83.6	2125	30.5	775	5/6	17400	7890
ZSM435	171.5	4350	12000	5500	85.6	2175	32.5	825	5/6	17460	7920
ZSM450	177	4500	11910	5400	87.5	2225	34.4	875	5/6	17490	7930
ZSM470	185	4700	11790	5350	91.9	2335	38.8	985	5/6	17570	7970
ZSM500	197	5000	11620	5270	97.8	2485	44.7	1135	5/6	17680	8020
ZSM530	208.5	5300	11450	5190	99.8	2535	46.6	1185	5/6	17730	8040
ZSM550	216.5	5500	11330	5140	102.5	2605	49.4	1255	5/6	17770	8060
ZSM600	236	6000	11040	5000	115.5	2935	62.4	1585	5/6	17950	8140

6-7t WIDE VIEW FULL FREE 3-STAGE MAST

Mast Model	Max lifting height		Capacity (load center 610mm)				Overall Height		Freelift (With Backrest)		Tilt Range	Service Weight(unload)			
			CPYD60C		CPYD70C		CPYD60/70C					CPYD60C		CPYD70C	
	in	mm	lb	kg	lb	kg	in	mm	in	mm		lb	kg	lb	kg
ZSM360	141.5	3600	13500	6000	15350	7000	85.4	2170	32.5	825	6/6	19100	8660	20790	9430
ZSM400	157.5	4000	13500	6000	15350	7000	90.5	2300	37.6	955	6/6	19180	8700	20880	9470
ZSM435	171.5	4350	13500	6000	15350	7000	95.6	2430	42.7	1085	6/6	19320	8760	21010	9530
ZSM450	177	4500	13500	6000	15220	6900	97.2	2470	44.3	1125	6/6	19340	8770	21040	9540
ZSM470	185	4700	13500	6000	15050	6820	100	2540	47	1195	6/6	19400	8800	21100	9570
ZSM500	197	5000	13100	5940	14790	6710	105.5	2680	52.5	1335	6/6	19510	8850	21210	9620
ZSM540	212.5	5400	12800	5800	14450	6550	110.2	2800	57.3	1455	6/6	19600	8890	21300	9660
ZSM560	220.5	5600	12650	5740	14280	6480	113	2870	60	1525	6/6	19670	8920	21370	9690
ZSM600	236	6000	12350	5600	13940	6320	120	3050	67.1	1705	6/6	19800	8980	21500	9750
ZSM620	244	6200	12200	5530	13770	6240	122.8	3120	69.9	1775	6/6	19850	9000	21540	9770