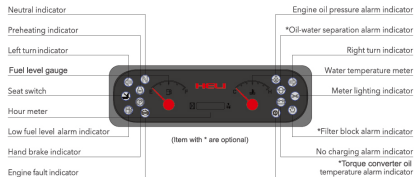


Heli Dash Display



Heli's display is conveniently placed on the dash so operator can monitor truck's working condition, fault codes and other vital information

Standard configuration	Optional
Horn	Overhead guard rain cover
Control valve	Standard forks
Oil pressure alarm	Hydraulic oil filter
Hydraulic powered steering	Wide view mast
Load backrest	Pneumatic tires (standard)
Rear view mirror	Tow pin
Transmission oil filter	2 forward headlights
Cable type parking brake	Hydraulic oil dipstick
Metric tool case	Overhead guard
Complete front-rear light package	Torque converter oil dipstick
Back-up alarm	Combined instrument panel
Adjustable steering column	Cab
	Amber flashing light
	Suspension seat
	Wind shield w/wiper
	Fire extinguisher
	Rear working light
	Solid tires
	Non-marking tires
	Wide carriage
	Torque converter oil temperature meter
	Customer colors
	Attachments

4000-7000 lbs [2-3.5t]

H3 IC Pneumatic Tire Forklift
CPCD20-35 & CP(Q)YD20-35



Heli H3 Series Features
Improved performance, superior quality



Ergonomics

- > Vibration isolators separate the operator compartment from the main frame and the engine/transmission which absorbs the truck's vibration for increased operator comfort
- > Engine performance and repositioned hydraulic pump offer quieter and smoother operation 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 room with 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

Safety

- > All Heli forklifts for North America meet ANSI B56-1 Safety Standard for Powered Industrial Trucks as well as meeting requirements for CE approval
- > All Heli forklifts come standard with Operator Presence System
- > Optional rear grab handle and horn button allows operator to safely drive in reverse
- > Strobes, Beacons or Blue Lights and Alarms are all available as required

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
- > H3 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
- > 35% faster lifting speeds over previous generations
- > 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 80 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

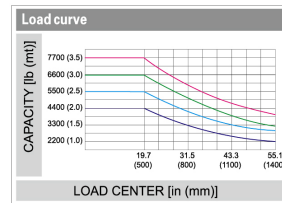
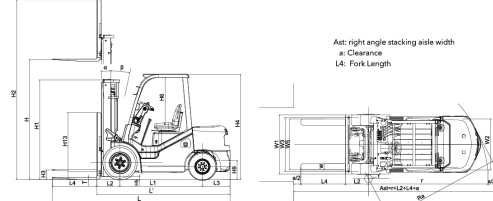


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Manufacturer and technical parameters

Characteristic		HELI									
Manufacturer		CPCD20/CP(Q)YD20			CPCD25/CP(Q)YD25		CPCD30/CP(Q)YD30		CPCD35/CP(Q)YD35		
1.01 Model		CPCD20/CP(Q)YD20			CPCD25/CP(Q)YD25		CPCD30/CP(Q)YD30		CPCD35/CP(Q)YD35		
1.03 Rated Capacity	lbs	4000		5000	2500	6000	3000	7000	3500		
1.04 Load Center	in/mm	24		500	24	500	24	500	24		
1.05 Operation Type		Seat-type									
Dimension Parameter											
2.01 Max.Lifting Height(Without backrest)	H1	in	mm	118.2	3000	118.2	3000	118.2	3000	118.2	3000
2.02 Max.Lowered Height	H1	in	mm	78.8	2000	78.8	2000	81.4	2065	85.9	2180
2.03 Max.Lifting Height(with backrest)	H2	in	mm	158.8	4030	158.8	4030	167.3	4245	166.9	4235
2.04 Free Lifting Height	H3	in	mm	6.5	165	6.5	165	6.5	165	6.7	170
2.05 Overall Height(With overhead guard)	H4	in	mm	84.7	2150	84.7	2150	85.5	2170	85.5	2170
2.06 Min.Ground Clearance(under mast)	H5	in	mm	4.5	115	4.5	115	5.3	135	5.3	135
2.07 Overhead guard clearance(from seat face)	H6	in	mm	40.6	1030	40.6	1030	40.6	1030	40.6	1030
2.08 Top Pin Height	H9	in	mm	10.8	275	10.8	275	11	280	11	280
2.09 Backrest Height(From the surface of the fork)	H13	in	mm	100.7	2580	103.9	2638	108.3	2748	109	2766
2.10 Overall Length(Without Forks)	(L/L')	in	mm	101.7	2580	103.9	2638	108.3	2748	109	2766
2.11 Wheelbase	L1	in	mm	65	1650	65	1650	67	1700	67	1700
2.12 Front Overhang	L2	in	mm	18.6	473	18.6	473	18.8	478	19.5	496
2.13 Rear Overhang	L3	in	mm	18	457	20.3	517	22.5	570	22.5	570
2.14 Overall Width	W1	in	mm	45.3	1150	45.3	1150	48.3	1225	48.3	1225
2.15 Tread/Front Tread/Rear Tread	(W2/W2)	in	mm	38.2/38.2	970/970	38.2/38.2	970/970	39.4/38.2	1000/970	39.4/38.2	1000/970
2.16 Lateral Fork Adjustment(Outside of Forks)	WS	in	mm	40.6/9.6	244/1030	40.6/9.6	244/1030	41.8/9.9	250/1060	41.8/9.9	250/1060
2.17 Min.Turning Radius Outside	r	in	mm	85.5	2170	88.3	2240	94.6	2400	95.3	2420
2.18 Min.Ground Clearance(wheelbase centre)	r	in	mm	7.1	180	7.1	180	7.9	200	7.9	200
2.19 Min. Right Angle Stacking Aside Width	Ra	in	mm	86.7	2200	89.8	2280	93.8	2380	94.6	2400
2.20 Mast Tilt(fwd/bwd)	α / β	deg	deg	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
2.21 Fork Dimensions (Length*Width*Thickness)	L4*W*T	in	mm	36*48*1.6	920*122*40	42*48*1.6	1070*122*40	42*49*1.8	1070*125*45	42*49*2.0	1070*125*50
3.01 Standard Truck Weight Unload	lbs	kg		7540	3420	3800	9434	4370	10582	4800	4800
3.02 Weight Distribution Rated Load(front/rear)	lbs	kg		10516/1433	4770/650	12081/1808	5480/820	14242/2006	6460/910	16468/1130	7470/930
3.03 Weight Distribution Unload(front/rear)	lbs	kg		3527/4013	1600/1820	3439/4938	1560/2240	3770/5864	1710/2660	4145/6437	1860/2920
Wheels&Tires											
4.01 Wheel Number(x-driven wheel)/front/rear		2X/2									
4.02 Tire Type/front/rear		Pneumatic Tire									
4.03 Tire Size front/rear		7.00-12-12PR/ 6.00-9-10PR			7.00-12-12PR/ 6.00-9-10PR		28*9-15-12PR/ 6.50-10-10PR		28*9-15-14PR/ 6.50-10-10PR		
4.04 Service Brake		Hydraulic-Foot Pedal									
4.05 Parking Brake		Mechanical-Hand Lever									



NOTE: Capacities shown are reference only. They are computed with mast in vertical position based on 48 inch cube load configuration with center of gravity at true center of cube and standard forks. Longer forks and unusually wide loads can reduce capacity. Consult dealer for any questions about capacities.

Mast type	Max. lifting height	Loading capacity-loading center 24 inch				Mast Overall Height-fork to the ground			Service Weight				Mast tilt angle (fwd/bwd) deg
		CPD20/CPQYD20	CPD25/CPQYD25	CPD30/CPQYD30	CPD35/CPQYD35	2-2.5ft	3ft	3.5ft	CPD20/CPQYD20	CPD25/CPQYD25	CPD30/CPQYD30	CPD35/CPQYD35	
M200	79/2000	4000/1800	5000/2270	6000/2730	7000/3175	59/1500	62/1570	64/1640	7340/3400	8001/3700	9435/4260	1036/14700	6/12
M250	99/2500	4000/1800	5000/2270	6000/2730	7000/3175	69/1750	72/1820	74/1930	7460/3385	8300/3765	9564/4335	10471/4750	6/12
M300	118/3000	4000/1800	5000/2270	6000/2730	7000/3175	79/2000	82/2070	86/2140	7539/4020	8377/3900	9634/4370	10580/4900	6/12
M350	138/3500	4000/1800	5000/2270	6000/2730	7000/3175	81/2150	87/2220	92/2310	7627/4060	8469/3940	9749/4370	10648/4950	6/12

Note: (1) *Needs for the rated capacity when the front tire is double tire. (2) When the front tire of the 4000/1800 truck is double tire, the service weight of the truck is the weight in the table plus 240lbs.

Mast type	Max. lifting height	Loading capacity-loading center 24 inch				Mast Overall Height-fork to the ground			Free Lifting Height with backrest			Service Weight				Mast tilt angle (fwd/bwd) deg
		CPD20/CPQYD20	CPD25/CPQYD25	CPD30/CPQYD30	CPD35/CPQYD35	2-2.5ft	3ft	3.5ft	2-2.5ft	3ft	3.5ft	CPD20/CPQYD20	CPD25/CPQYD25	CPD30/CPQYD30	CPD35/CPQYD35	
M200	79/2000	4000/1800	5000/2270	6000/2730	7000/3175	59/1500	62/1570	64/1640	20/495	15/360	18/460	7850/4070	8480/3960	9544/4330	10361/4770	6/12
M250	99/2500	4000/1800	5000/2270	6000/2730	7000/3175	69/1750	72/1820	74/1930	20/495	28/710	27/710	7748/3515	8687/3965	9634/4330	10260/4800	6/12
M300	118/3000	4000/1800	5000/2270	6000/2730	7000/3175	79/2000	82/2070	86/2180	39/995	35/840	38/960	7899/3565	8677/3945	9744/4330	10736/4870	6/12
M350	138/3500	4000/1800	5000/2270	6000/2730	7000/3175	81/2150	87/2220	92/2330	45/1145	39/990	43/1100	7936/3595	8763/3975	9799/4455	10760/4950	6/12

Note: (1) *Needs for the rated capacity when the front tire is double tire. (2) When the front tire of the 4000/1800 truck is double tire, the service weight of the truck is the weight in the table plus 240lbs. (3) The free lifting height (without backrest) of the 2000-3500lbs truck is the height (with backrest) in the table plus 16 inch. The free lifting height (without backrest) of the 4000-5000lbs truck is the height (with backrest) in the table plus 18 inch. The free lifting height (without backrest) of the 6000lbs truck is the height (with backrest) in the table plus 22 inch. The free lifting height (without backrest) of the 7000lbs truck is the height (with backrest) in the table plus 25 inch.

Performance		CPCD20			CPCD25		CPCD30		CPCD35		CP(Q)YD20		CP(Q)YD25		CP(Q)YD30		CP(Q)YD35	
Max.Drawbar pull(Load/unload)	lbf	4280/2740		4688/2740	21/12	4275/3263	27/21	19/14.5	4725/3263	21/14.5	3150/2363	30/26	14/10.5	3150/2363	30/26	16/13.5	4050/3038	18/13.5
Max.Gradeability(Load/unload)	%	39/27		36/22														
Max.Traveling Speed(Load/unload)	mph	10.6/11.2		17/18	9.9/10.6	16/17	10.6/11.2	17/18	11.2/11.8	18/19	10.6/11.2	18/19	17/18	10.6/11.2	18/19	17/18	11.2/11.8	18/19
Lifting Speed(Load/unload)	f/min	110/118		560/600	110/118	560/600	98.5/108	500/550	78.8/82.7	400/420	105.4/118	535/600	89.6/100.5	455/510	70.9/78.8	360/400		
Lowing Speed(Load/unload)	f/min	88.7/98.5		450/500	88.7/98.5	450/500	88.7/108	450/550	69/78.8	350/400	88.7/98.5	450/500	88.7/108	450/550	69/78.8	350/400		
Engine and Gearbox		KUBOTA V2403T																
Engine Manufacturer/Model		KUBOTA V2403T																
Rated Power	hp/kw	57.9																
Rated Torque	lb-ft/kpm	146.4/1600																
Cyl. Number		4																
Displacement	L	2.434																
Engine Type		Diesel																
Emission		EPA Tier4																
Battery Capacity	V/Ah	12/80																
Fuel Tank Capacity	L	40																
Number of speed(fwd/bwd)		1-1 Power Shift T/M / 2-2 Manual Shift T/M																