

G series



1-3.5 ton  
ENGINE POWERED  
FORKLIFT



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FORKLIFT



STANDARD EQUIPMENT

- Hour meter
- Horn
- Oil pressure alarm
- Three-spool control valve
- Power steering
- Rubber pedal pad
- Backrest
- Back view mirror
- Front combined lights
- Transmission oil filter
- Engine flameout device
- Parking brake cable
- Water temperature meter
- Attached tools
- Rear combined lights
- Reversing buzzer
- Self-locking tilt valve
- Tilt adjustable steering column
- Power brake(2-3.5t)
- Overhead guard
- Standard forks
- Neutral switch
- Hydraulic circuit oil filter
- Radiator tank
- Speed-limiting valve
- Oil meter
- Battery-charge indicator
- Wide-view mast
- Intake device
- Durable tire
- Operating handles
- Traction pin
- Standard seat
- Hydraulic oil gauge
- Overhead guard raincoat
- Torque converter oil gauge
- Combined display
- Central control box

OPTIONS

- Cab
- Rotating warning light
- Vertical exhaust
- Double air filter
- Suspension seat
- Extended fork sleeve
- Heater
- Solid tire
- Widening fork carriage
- Windglass
- Purifying muffler
- Fire muffler
- Fire extinguisher
- Rear lights
- Air conditioning (some models)
- Electro-hydraulic switch
- OPS driving control
- Torque converter oil temperature meter
- Tilt cylinder sleeve
- Steering cylinder sleeve
- User-specified color
- Optional attachments
- Dual tires and protective devices
- LPG with the flip seat
- LPG single and dual-fuel system
- Side shifter
- Steel protective fences



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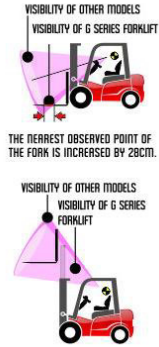
\* Details of specifications and equipment are based on information available at the time of printing and may change without notice.

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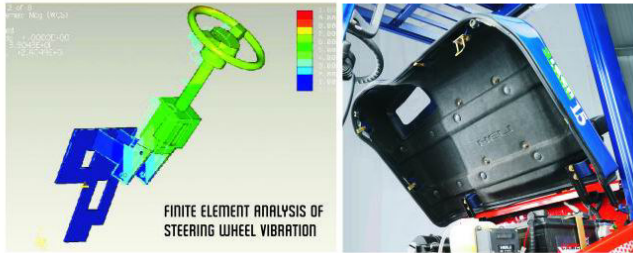
# Reliable forklift

## A reliable mast



The impact and vibration of mast are reduced significantly by using buffer device. Through finite element analysis plus optimizing the structural parameters, the vibration acceleration is reduced by 40%.

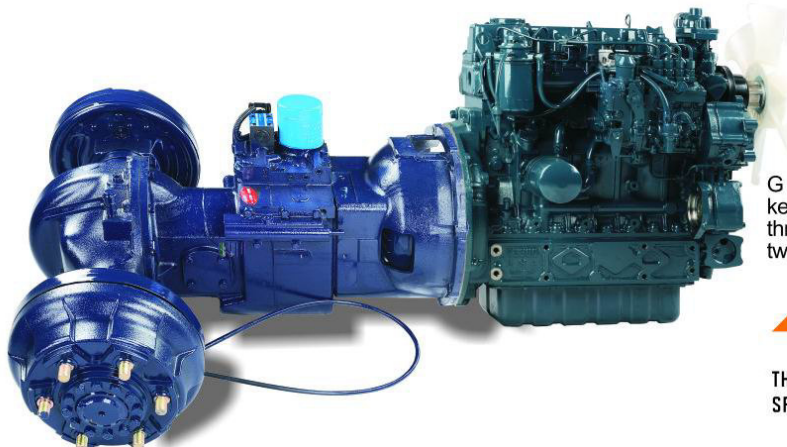
## More scientific and environmental design



Equipped with high-quality engine, the emission meets the latest European EC and the EPA environmental regulation. The use of Non-asbestos insulation equipment is very effective to lower down the noise.

The innovative design and optimized configuration of the lifting system improve the operators' visibility greatly, and provide a clear and accessible focus of vision to ensure the safety & efficiency of operating.

## More powerful



G series forklifts greatly enhance various aspects of key performances particularly in power performance through reducing the losses of engine torque nearly twice as before.

**↓ 2%**  
THE FUEL CONSUMPTION IS REDUCED

**↑ 8.2%**  
THE MAXIMUM LIFTING SPEED IS INCREASED

**↑ 3%**  
THE GRADEABILITY IS INCREASED

**↑ 9%**  
THE MAXIMUM DRAW-BAR PULL IS INCREASED



## More comfortable ergonomic design



Through optimum design of the hood and tilt cylinder, the space for driver's leg is twice wider than other models, the bigger footplate make the operators to get on and off with ease. Such capacious space ensures the operating more comfortable.



The sedan-type display and double-handle combined F/R direction switch to ensure more convenient and smooth operation.

Labor-saving mini-type steering wheel. Suspension seat with armrests, seat belts. Safe and comfortable.

## Excellent safety performance



### Profiled steel for overhead guard

As the first forklift producer to use profiled steel for overhead guard in China, our G series forklift is available with embedded cabin doors to ensure more safety and seal performance.

### Greatly enhanced frame strength

G Series forklifts have much stronger frame structure, while its structural strength meets the ANSI/ITSDF B56.1 (American National Regulation) requirements.





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Manufacturers Data and Design Characteristics																	
Characteristics																	
1	Manufacturer		HELI														
2	Model		CPCD10	CPCD15	CPCD18	CPCD20	CPCD25	CPCD30	CPCD35	CPQ(Y)D10	CPQ(Y)D15	CPQ(Y)D18	CPQ(Y)D20	CPQ(Y)D25	CPQ(Y)D30	CPQ(Y)D35	
3	Power unit		Diesel						Gasoline / LPG / Dual fuel								
4	Rated Capacity	kg	1000	1500	1750	2000	2500	3000	3500	1000	1500	1750	2000	2500	3000	3500	
5	Load Center	mm	500						500								
6	Operation		Seated						Seated								
Dimensions																	
7	Overall max.lifting height (with backrest)	H2 mm	4039	4039	4039	4039			4217	4217	4039	4039			4039	4217	4217
8	Max.Lifting height	H mm	3000			3000			3000			3000					
9	Height mast retracted(upright)	H1 mm	1995	1995	1995	2000	2000	2070	2180	1995	1995	1995	2000	2000	2070	2180	
10	Free lift height	H3 mm	152	155	155	140		145	150	152	155	155	140		145	150	
11	Backrest height(from upper face of forks)	H13 mm	1017	1014	1014	1004			1182	1177	1017	1014	1014	1004		1182	1177
12	Overhead Guard clearance(from face of seat)	H6 mm	1030	1030	1030	1035			1030	1030	1030	1035					
13	Overall height(overhead guard)	H4 mm	2140	2140	2140	2140	2140	2170	2170	2140	2140	2140	2140	2140	2170	2170	
14	Overall length(with forks)	L mm	2936	3150	3193	3430	3650	3770	3840	2936	3150	3193	3430	3650	3770	3840	
15	Overall length(without forks)	L' mm	2166	2230	2273	2510	2580	2700	2770	2166	2230	2273	2510	2580	2700	2770	
16	Front overhang	L2 mm	410	413	413	475	475	480	485	410	413	413	475	475	480	485	
17	Rear overhang	L3 mm	355	415	455	440	510	525	585	355	415	455	440	510	525	585	
18	Wheel base	L1 mm	1410	1410	1410	1600	1600	1700	1700	1410	1410	1410	1600	1600	1700	1700	
19	Coupler height	H9 mm	250	250	250	245	245	250	250	250	250	250	245	245	250	250	
20	Min.ground clearance under mast	H5 mm	110	110	110	110	110	135	135	110	110	110	110	110	135	135	
21	Overall width	W1 mm	1075	1075	1090	1150	1150	1225	1285	1075	1075	1090	1150	1150	1225	1285	
22	Lateral fork adjustment outside of fork(Max./Min.)	W5 mm	950/200			1024/200	1024/200	1060/250	1060/250	950/200			1024/200	1024/200	1060/250	1060/250	
23	Tread(front)	W3 mm	900	900	930	970	970	1000	1060	900	900	930	970	970	1000	1060	
24	Tread(rear)	W2 mm	930	930	930	970	970	970	970	930	930	930	970	970	970	970	
25	Outside turning radius	r mm	1870	1950	1980	2170	2240	2400	2420	1870	1950	1980	2170	2240	2400	2420	
26	Inside turning radius	r' mm	110	110	95	160	160	200	200	110	110	95	160	160	200	200	
27	Min.intersecting aisle	Ra mm	1945	2025	2055	2200	2280	2380	2400	1945	2025	2055	2200	2280	2380	2400	
28	Tilting angles(forward/backward)	$\alpha / \beta$	5° /10°			6° /12°			5° /10°			6° /12°					
29	Fork dimensions	L4xWxT mm	770×100×32	920×100×35	920×100×35	920×122×40	1070×122×40	1070×125×45	1070×125×50	770×100×32	920×100×35	920×100×35	920×122×40	1070×122×40	1070×125×45	1070×125×50	
Performance																	
30	Max. Traveling speeds(With/Without load)	km/h	17/18			17/19			18/19	19/19	17/18			17/19		18/19	19/19
31	Lifting Speeds(With/Without load)	mm/s	590/650			550/600			500/550	450/480	590/650			550/600		500/550	450/480
32	Lowering Speeds(With/Without load)	mm/s	450/550			450			450/550			450					
33	Max. Draw-bar pull,(With/Without load)	kN	17.8/6.9			17/8.33	17/8.88	16/9.8	16.5/9.8	14.2/6.9			16.4/8.3		14.5/9.8	16.5/9.8	
34	Max. Negotiable Gradient(With/Without load )	%	42/25	40/19	36/18	28/20	25/18	23/20	22/20	37/22	27/18	24/17	26/20	24/18	23/20	20/18	
Weights																	
35	Service Mass	kg	2300	2760	2970	3480	3800	4400	5000	2300	2760	2970	3480	3800	4400	5000	
36	Load Wheel with load(Front/Rear)	kg	2900/400	3705/555	4060/660	4878/602	5607/693	6500/900	7600/900	2900/400	3705/555	4060/660	4878/602	5607/693	6500/900	7600/900	
37	Load Wheel without load(Front/Rear)	kg	1040/1260	1187/1573	1145/1825	1392/2088	1520/2280	1760/2640	2000/3000	1040/1260	1187/1573	1145/1825	1392/2088	1520/2280	1760/2640	2000/3000	
Tyres																	
38	Wheels number front/rear(x=driven)		2X/2			2X/2			2X/2			2X/2					
39	Tyre Type		Pneumatic			Pneumatic			Pneumatic			Pneumatic					
40	Tyre size(front)		6.50-10-10PR			7.00-12-12PR			28×9-15-12PR	28×9-15-14PR	6.50-10-10PR			7.00-12-12PR		28×9-15-12PR	28×9-15-14PR
41	Tyre size(rear)		5.00-8-8PR			6.00-9-10PR			6.50-10-10PR	6.50-10-10PR	5.00-8-8PR			6.00-9-10PR		6.50-10-10PR	6.50-10-10PR
42	Service Brake		Hydraulic-Foot Pedal						Hydraulic-Foot Pedal								
43	Peking Brake		Mechanical-Hand Lever						Mechanical-Hand Lever								
Drive																	
44	Battery (Voltage/Capacity)	V/Ah	12/80			12/80			12/60			12/60					
45	Internal Combustion Engine Model		KUBOTA V2403			KUBOTA V2403			KUBOTA V3600	GCT (NISSAN) K15			GCT(NISSAN) K21		GCT(NISSAN) K25		
46	Internal Combustion Engine Rated Output	kW/rpm	35.4/2400			35.4/2400			36.5/2600	46.9/2400	23.6/2400			31.2/2250		37.6/2400	
47	Internal Combustion Engine Rated Torque	Nm/rpm	161.3/1600			131.3/1600			164/1500	210/1600	103/1600			143.7/1600		176.5/1600	
48	Internal Combustion Engine Number of Cylinder		4-87×102.4			4-87×102.4			4-98×120	4-98×120	4-75.5×83			4-89×83		4-89×100	
49	Internal Combustion Engine Displacement	L	2.434			2.434			3.62	3.62	1.468			2.065		2.488	
50	Internal Combustion Engine Fuel Tank Capacity	L	46			66			70	70	46			66		70	
51	Transmission type		Power Shift			Power Shift			Power Shift			Power Shift					
52	Transmission Number of Speed Fwd/Bwd		1/1			1/1			1/1			1/1					

