



**1-3.5 ton
ENGINE POWERED
FORKLIFT**

S SERIES

HELI

Heli UK • Unit 10 • Hewitts Ind Est • Elmbridge Road
Cranleigh • Surrey • GU6 8LW • United Kingdom
www.heliuk.com



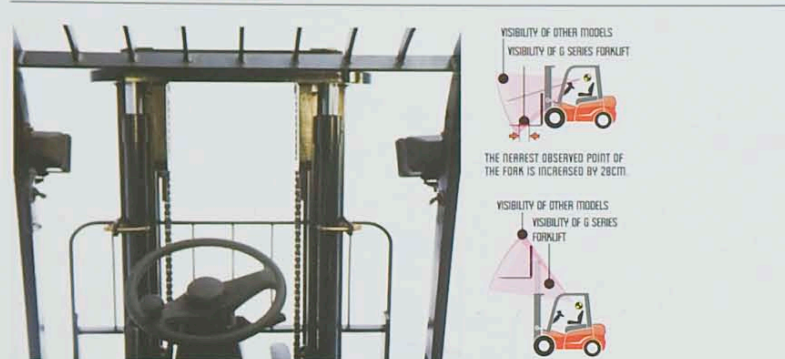
ENGINE POWERED
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G SERIES

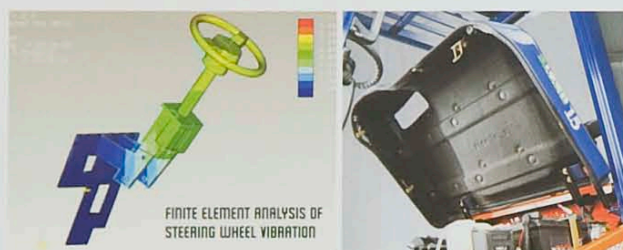
Reliable forklift

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%.

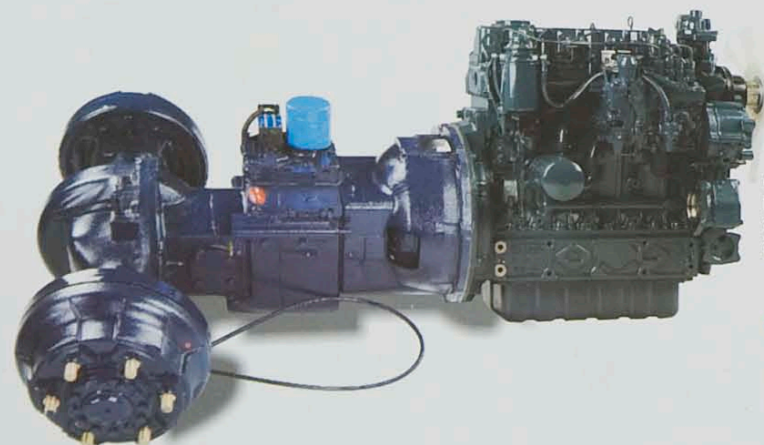
More scientific and environmental design



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.

↑ 8.2%
THE MAXIMUM LIFTING
SPEED IS INCREASED

↑ 3%
THE GRADEABILITY IS
INCREASED

↓ 2%
THE FUEL CONSUMPTION
IS REDUCED
↑ 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.

Laborsaving 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/ITSDFB56.1 (American National Regulation) requirements.





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Manufacturers Data and Design Characteristics

Characteristics		HELI																					
1	Manufacturer																						
2	Model	CPCD10	CPCD15	CPCD18	CPCD20	CPCD25	CPCD30	CPCD35	CPQD10	CPQD15	CPQD18	CPQD20	CPQD25	CPQD30	CPQD35								
3	Power unit	Diesel							Gasoline														
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)	h4	mm	4017	4014	4014	4004		4182	4177	4017	4014		4004		4182	4117						
8	Max.Lifting height	h3	mm	3000			3000			3000			3000										
9	Height mast retracted(upright)	h1	mm	1995	1995	1995	2000	2000	2075	2180	1995	1995	1995	2000	2000	2075	2180						
10	Free lift height	h2	mm	150	155	155	145		145	150	150	155	155	145		145	150						
11	Backrest height(from upper face of forks)	h8	mm	1017	1014	1014	1004		1182	1177	1017	1014	1014	1004		1182	1177						
12	Overhead Guard clearance(from face of seat)	h7	mm	1030	1030	1030	1035			1030	1030	1030	1035										
13	Overall height(overhead guard)	h6	mm	2140	2140	2140	2140	2140	2170	2170	2140	2140	2140	2140	2140	2170	2170						
14	Overall length(with forks)	L1	mm	2936	3150	3193	3430	3650	3770	3840	2936	3150	3193	3430	3650	3770	3840						
15	Overall length(without forks)	L2	mm	2166	2230	2273	2510	2580	2700	2770	2166	2230	2273	2510	2580	2700	2770						
16	Front overhang	X	mm	401	405	408	470	470	475	485	401	405	408	470	470	475	485						
17	Rear overhang	L4	mm	355	415	455	440	510	525	585	355	415	455	440	510	525	585						
18	Wheel base	L5	mm	1410	1410	1410	1600	1600	1700	1700	1410	1410	1410	1600	1600	1700	1700						
19	Coupler height	h5	mm	250	250	250	245	245	250	250	250	250	250	245	245	250	250						
20	Min.ground clearance under mast	m1	mm	110	110	110	110	110	135	135	110	110	110	110	110	135	135						
21	Overall width	B	mm	1075	1075	1090	1150	1150	1225	1285	1075	1075	1090	1150	1150	1225	1285						
22	Lateral fork adjustment outside of fork(Max./Min.)	S	mm	950/200		1000/222		1000/222		1055/250		1055/250		950/200		1000/222		1000/222		1055/250		1055/250	
23	Tread(front)	R1	mm	900	900	930	970	970	1000	1060	900	900	930	970	970	1000	1060						
24	Tread(rear)	P	mm	930	930	930	970	970	970	970	930	930	930	970	970	970	970						
25	Outside turning radius	Wa	mm	1870	1950	1980	2170	2240	2400	2420	1870	1950	1980	2170	2240	2400	2420						
26	Inside turning radius	V	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)	α / β		5° /10°			6° /12°			5° /10°			6° /12°										
29	Fork dimensions(a×b×c)		mm	770×100×32	920×100×35	920×100×35	920×100×45	1070×100×45	1070×125×45	1070×125×50	770×100×32	920×100×35	920×100×35	920×100×45	1070×100×45	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	Parking Brake		Mechanical-Hand Lever							Mechanical-Hand Lever													
Drive																							
44	Battery (Voltage/Capacity)	V/Ah	12/80			12/30			12/60			12/60											
45	Internal Combustion Engine Model		KUBOTA V2403			KUBOTA V2403			KUBOTA V3600	NISSAN K15			NISSAN K21		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			161.3/1600			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	4-75.5×83			4-89×83		4-89×100								
49	Internal Combustion Engine Displacement	L	2.434			2.434			3.62	1.468			2.065		2.488								
50	Internal Combustion Engine Fuel Tank Capacity	L	46			66			70	70	46			66		70	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											



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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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