



**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



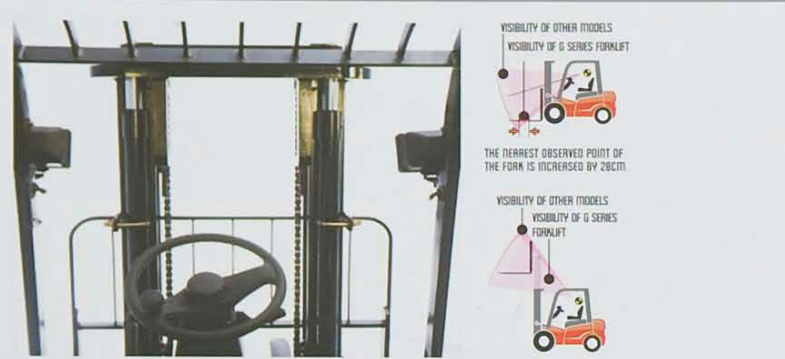
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GSERIES

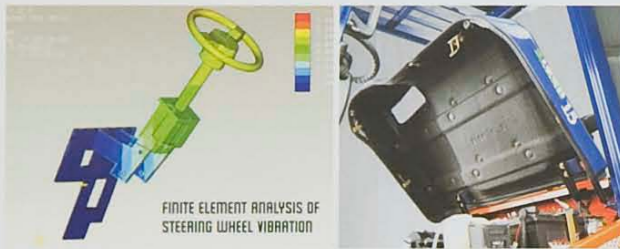
Reliable forklift

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.

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/ITSDFB56.1 (American National Regulation) requirements.



Manufacturers Data and Design Characteristics

Characteristics		HELI															
		CPCD10	CPCD15	CPCD18	CPCD20	CPCD25	CPCD30	CPCD35	CPQD10	CPQD15	CPQD18	CPQD20	CPQD25	CPQD30	CPQD35		
1	Manufacturer																
2	Model																
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	Paking 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	
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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