

**1-3.5 ton
ENGINE POWERED
FORKLIFT**



S SERIES Reliable forklift

HELI

CHINESE EXPORT BRAND

Recommended
By China Chamber of Commerce for Import and Export of Machinery
And Electric Products

ENGINE POWERED
FORKLIFT

1-3.5 ton

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%.

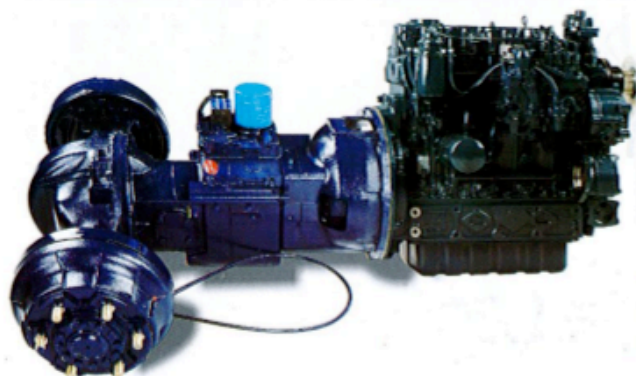
More scientific and environmental design



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

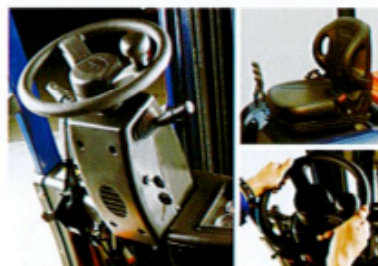
↑ 9%
THE MAXIMUM DRAW-
BAR PULL IS INCREASED



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



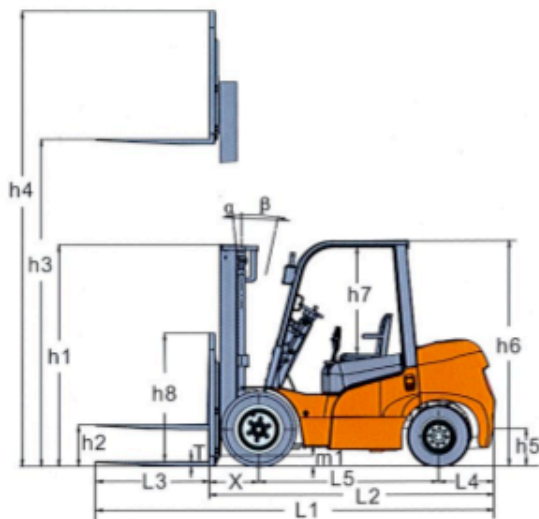
Profiled steel for overhead guard

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.

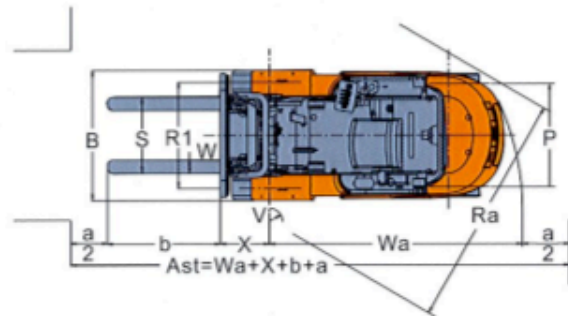
Greatly enhanced frame strength

G Series forklifts have much stronger frame structure, while its structural strength meets the ANSI/TSDFB56.1 (American National Regulation) requirements.

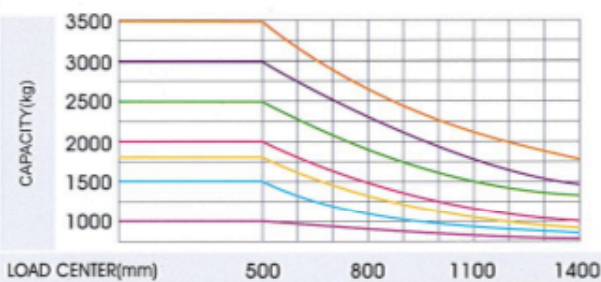




Ast: Aisel width with load
a: Clearance
b: Length Of Loading



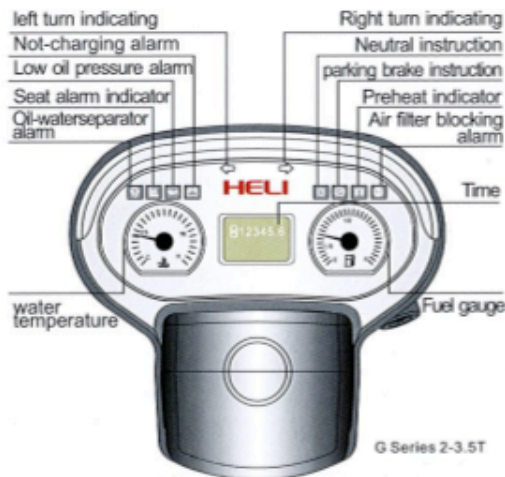
Load curve



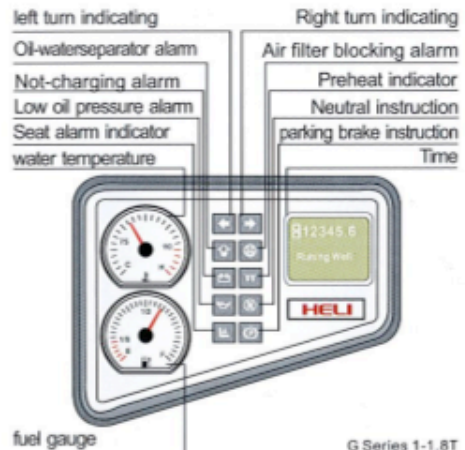
CPGD10/CPCD10 CPGD15/CPCD15 CPGD18/CPCD18
CPGD35/CPCD35 CPGD30/CPCD30 CPGD25/CPCD25 CPGD20/CPCD20

Note:

Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mast tilts forward, using non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.



G Series 2-3.5T



G Series 1-1.8T

Engine Model and Main Specification for Option

Internal Combustion Engine Model	Internal Combustion Engine Rate horse power	Internal Combustion Engine Rate torque	Internal Combustion Engine Displacement	Internal Combustion Engine Number of Clinder
ISUZU4JG2	44.9/2450	184.7/1600-1800	3.05	4
ISUZUC240	35.4/2500	139.9/1800	2.369	4
JMC493	39/2500	165/1800	2.771	4

Reliable forklift **9** SERIES

WIDE VIEW MAST

Mast model	Max. fork height (mm)	Capacity at 500mm Load center (kg)								Overall Mast Height (mm)				Tilting Angle		Service Weight (kg)							
		CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35	1-1.8t mm	2-2.5t mm	3t mm	3.5t mm	1-1.8t mm	2-3.5t mm	CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35		
M200	2000	1000	1500	1750	2000	2500	3000	3500	1495	1500	1570	1680	5-10° 6-12°	6-12° 6-12°	2240	2700	2910	3400	3720	4320	4920		
M250	2500	1000	1500	1750	2000	2500	3000	3500	1745	1750	1820	1930	5-10° 6-12°	6-12° 6-12°	2265	2725	2935	3440	3760	4360	4960		
M300	3000	1000	1500	1750	2000	2500	3000	3500	1995	2000	2065	2180	5-10° 6-12°	6-12° 6-12°	2300	2760	2970	3480	3800	4400	5000		
M330	3300	1000	1500	1750	2000	2500	3000	3500	2145	2150	2220	2330	5-10° 6-12°	6-12° 6-12°	2315	2775	2985	3500	3820	4420	5020		
M350	3500	1000	1500	1750	2000	2500	3000	3500	2245	2250	2320	2430	5-10° 6-12°	6-12° 6-12°	2330	2790	3000	3520	3840	4440	5040		
M370	3700	1000	1500	1750	2000	2500	3000	3500	2345	2350	2420	2530	5-10° 6-12°	6-12° 6-12°	2350	2810	3020	3540	3860	4460	5060		
M400	4000	1000	1500	1750 1750	2000 2000	2500 2500	3000 3000	3500 3500	2545	2550	2620	2730	5-10° 6-12°	6-12° 6-12°	2390	2850	3060	3580	3900	4480	5080		
M425	4250	950	1400 1500	1600 1750	1900 2000	2250 2500	2650 2750	3100 3200	2670	2675	2745	2855	5-10° 6-12°	6-12° 6-12°	2405	2865	3075	3590	3910	4500	5100		
M450	4500	950	1300 1500	1550 1750	1800 2000	2150 2500	2550 2750	3000 3200	2795	2800	2870	2980	5-10° 6-12°	6-12° 6-12°	2420	2880	3090	3600	3920	4520	5120		
M500	5000	930	1000 950	1100 1350	1200 1600	1350 1700	1550 2200	1850 2850	3045	3050	3120	3230	5-10° 6-12°	6-12° 6-12°	2455	2915	3125	3640	3960	4560	5160		
M550	5500	900	*1150	*1500	*1600	*1950	*2450	*2500	3345	3350	3420	3530	3-6° 3-6°	3-6° 3-6°	2620	3080	3290	3680	4000	4600	5200		
M600	6000	850	*1050	*1400	*1500	*1800	*2200	*2300	3595	3600	3670	3780	3-6° 3-6°	3-6° 3-6°	2650	3110	3320	3720	4040	4640	5240		

NOTE: 1-1.8T(1)Max lifting without lift-bracket:-370mm.
 (2)Max lifting without lift-bracket:-370mm.
 2-3.5T(1)Dual wheels weight:+110kg.
 (2)Front wheel) is dual wheels load capacity.

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. fork height (mm)	Capacity at 500mm; Load center (kg)								Overall Mast Height (mm)				Free Lift (with Backrest)				Tilting Angle		Service Weight (kg)							
		CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35	1-1.8t mm	2-2.5t mm	3t mm	3.5t mm	1-1.8t mm	2-2.5t mm	3t mm	3.5t mm	1-1.8t mm	2-3.5t mm	CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35		
ZM200	2000	1000	1500	1750	2000	2500	3000	3500	1495	1500	1570	1680	520	490	340	490	5-10° 5-10°	6-12° 6-12°	2255	2725	2945	3440	3760	4370	4970		
ZM250	2500	1000	1500	1750	2000	2500	3000	3500	1745	1750	1820	1930	720	740	590	750	5-10° 5-10°	6-12° 6-12°	2315	2785	3005	3480	3800	4410	5010		
ZM300	3000	1000	1500	1750	2000	2500	3000	3500	1995	2000	2070	2180	970	960	840	1000	5-10° 5-10°	6-12° 6-12°	2350	2820	3040	3520	3840	4450	5050		
ZM330	3300	1000	1500	1750	2000	2500	3000	3500	2145	2150	2220	2330	1120	1140	960	1150	5-10° 5-10°	6-12° 6-12°	2370	2840	3060	3560	3880	4490	5090		
ZM350	3500	1000	1500	1750	2000	2500	3000	3500	2245	2250	2320	2430	1220	1240	1060	1250	5-10° 5-10°	6-12° 6-12°	2385	2855	3075	3570	3890	4490	5090		
ZM370	3700	1000	1500	1750	2000	2500	3000	3500	2345	2345	2420	2530	1320	1345	1205	1350	5-10° 5-10°	6-12° 6-12°	2400	2870	3090	3590	3900	4500	5100		
ZM400	4000	1000	1500	1750	2000	2500	3000	3500	2545	2550	2620	2730	1520	1540	1390	1550	5-10° 5-10°	6-12° 6-12°	2450	2920	3140	3610	3930	4540	5140		
ZM425	4250	950	1400	1600	1900	2250	2650	3100	2670	2675	2745	2855	1645	1665	1515	1675	5-10° 5-10°	6-12° 6-12°	2470	2940	3160	3640	3960	4560	5160		
ZM450	4500	950	1300	1550	1800	2150	2550	3000	2795	2800	2870	2980	1770	1790	1640	1800	5-10° 5-10°	6-12° 6-12°	2485	2955	3175	3660	3980	4580	5180		
ZM500	5000	930	1000	1100	1200	1300	1400	1500	3045	3050	3120	3230	20200	2040	1910	2050	5-10° 5-10°	6-12° 6-12°	2520	2990	3210	3710	4030	4620	5220		
ZM550	5500	900	1150	1350	1550	1750	1950	2150	3345	3350	3420	3530	2320	2340	2190	2350	3-6° 3-6°	3-6° 3-6°	2695	3185	3385	3750	4070	4660	5260		
ZM600	6000	850	1050	1250	1450	1650	1850	2050	3595	3600	3670	3780	2570	2590	2440	2600	3-6° 3-6°	3-6° 3-6°	2730	3220	3420	3750	4110	4710	5310		

NOTE: 1-1.8T(1)Max lifting without lift-bracket:-370mm.
 (2)Free lifting height without bracket :+370mm.
 (3)Front wheel) is dual wheels load capacity.
 2-3.5T(1)Free lifting height without bracket :+397mm
 3t Free lifting height without bracket :+490mm.
 3.5t Free lifting height without bracket :+412mm.
 (2)Dual wheels weight:+110kg.
 (3)Front wheel) is dual wheels load capacity.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. fork height (mm)	Capacity at 500mm; Load center (kg)							Overall Mast Height (mm)				Free Lift (with Backrest)				Tilting Angle		Service Weight (kg)									
		CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35	1-1.8t mm	2-2.5t mm	3t mm	3.5t mm	1-1.8t mm	2-2.5t mm	3t mm	3.5t mm	1-1.8t mm	2-3.5t mm	CPQD10 CPQD10	CPQD15 CPQD15	CPQD18 CPQD18	CPQD20 CPQD20	CPQD25 CPQD25	CPQD30 CPQD30	CPQD35 CPQD35			
ZM400	3600	1000	1450	1750	2000	2400	2900	3300	1790	1795	1930	1930	770	785	740	745	5°	6°	2385	2865	3085	3640	3900	4500	5150			
ZM420	4000	1000	1400	1600	1900	2400	2900	3300	1915	1920	2055	2055	890	910	865	870	5°	6°	2420	2890	3110	3690	3980	4580	5180			
ZM405	4350	900	1350	1550	1850	2200	2800	3090	2040	2045	2180	2180	1020	1035	990	995	5°	6°	2445	2915	3135	3690	4010	4610	5200			
ZM420	4500	900	1300	1500	1800	2150	2700	2990	2090	2095	2230	2230	1070	1085	1040	1045	5°	6°	2475	2920	3145	3700	4020	4620	5220			
ZM400	4700	900	1300	1450	1720	2200	2800	2950	2160	2160	2230	2230	1140	1150	1040	1045	5°	6°	2485	2930	3155	3700	4020	4620	5230			
ZM480	4800	900	1100	1400	1700	1950	2500	2900	2190	2195	2330	2330	1170	1185	1140	1145	5°	6°	2495	2945	3160	3720	4040	4640	5240			
ZM480	5000	900	1100	1150	1600	1850	2400	2850	2290	2295	2430	2430	1270	1285	1240	1245	5°	6°	2520	2950	3185	3740	4060	4660	5260			
ZM40	5400	850	850	850	1450	1500	2250	2300	2415	2420	2555	2555	1300	1410	1365	1370	3-6°	3-6°	2540	2965	3205	3770	4090	4690	5280			
ZM40	6000	550	550	550	1800	1850	1850	1550	2640	2645	2780	2780	1620	1635	1590	1595	3-6°	3-6°	2600	3045	3265	3800	4120	4730	5330			

NOTE: 1-1.8T(1)Max lifting without lift-bracket:-370mm.
 (2)Free lifting height without bracket :+370mm.
 (3)Front wheel) is dual wheels load capacity.
 2-3.5T(1)Free lifting height without bracket :+397mm.
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 3.5t Free lifting height without bracket :+412mm.
 (2)Dual wheels weight:+110kg.
 (3)Front wheel) is dual wheels load capacity.



ENGINE POWERED
FORKLIFT

1-3.5 ton

Manufacturers Data and Design Characteristics

Characteristics								
1	Manufacturer							
2	Model		CPCD10	CPCD15	CPCD18	CPCD20	CPCD25	
3	Power unit					Diesel		
4	Rated Capacity	kg	1000	1500	1750	2000	2500	
5	Load Center	mm				500		
6	Operation					Seated		
Dimensions								
7	Overall max.lifting height (with backrest)	h4 mm	4017	4014	4014	4004		
8	Max.Lifting height	h3 mm		3000				
9	Height mast retracted(upright)	h1 mm	1995	1995	1995	2000	2000	
10	Free lift height	h2 mm	150	155	155	145		
11	Backrest height(from upper face of forks)	h8 mm	1017	1014	1014	1004		
12	Overhead Guard clearance(from face of seat)	h7 mm	1030	1030	1030			
13	Overall height(overhead guard)	h6 mm	2140	2140	2140	2140	2140	
14	Overall length(with forks)	L1 mm	2936	3150	3193	3430	3650	
15	Overall length(without forks)	L2 mm	2166	2230	2273	2510	2580	
16	Front overhang	X mm	401	405	408	470	470	
17	Rear overhang	L4 mm	355	415	455	440	510	
18	Wheel base	L5 mm	1410	1410	1410	1600	1600	
19	Coupler height	h5 mm	250	250	250	245	245	
20	Min.ground clearance under mast	m1 mm	110	110	110	110	110	
21	Overall width	B mm	1075	1075	1090	1150	1150	
22	Lateral fork adjustment outside of fork(Max./Min.)	S mm		950/200		1000/222	1000/222	
23	Tread(front)	R1 mm	900	900	930	970	970	
24	Tread(rear)	P mm	930	930	930	970	970	
25	Outside turning radius	Wa mm	1870	1950	1980	2170	2240	
26	Inside turning radius	V mm	110	110	95	160	160	
27	Min.intersecting aisle	Ra mm	1945	2025	2055	2200	2280	
28	Tilting angles(forward/backward)	α / β		5° / 10°				
29	Fork dimensions(a × b × c)	mm	770 × 100 × 32	920 × 100 × 35	920 × 100 × 35	920 × 100 × 45	1070 × 100 × 4	
Performance								
30	Max. Traveling speeds(With/Without load)	km/h		17/18		17/19		
31	Lifting Speeds(With/Without load)	mm/s		590/650		550/600		
32	Lowering Speeds(With/Without load)	mm/s		450/550				
33	Max. Draw-bar pull,(With/Without load)	kN		17.8/6.9		17/8.33	17/8.88	
34	Max. Negotiable Gradient(With/Without load)	%	42/25	40/19	36/18	28/20	25/18	
Weights								
35	Service Mass	kg	2300	2760	2970	3480	3800	
36	Load Wheel with load(Front/Rear)	kg	2900/400	3705/555	4060/660	4878/602	5607/693	
37	Load Wheel without load(Front/Rear)	kg	1040/1260	1187/1573	1145/1825	1392/2088	1520/2280	
Tyres								
38	Wheels number front/rear(x=driven)			2X/2				
39	Tyre Type			Pneumatic				Pne
40	Tyre size(front)			6.50-10-10PR		7.00-12-12PR		
41	Tyre size(rear)			5.00-8-8PR		6.00-9-10PR		
42	Service Brake					Hydraulic-Foot Pedal		
43	Parking Brake					Mechanical-Hand Lever		
Drive								
44	Battery (Voltage/Capacity)	V/Ah		12/80				
45	Internal Combustion Engine Model			KUBOTA V2403		KUBOTA V240		
46	Internal Combustion Engine Rated Output	kW/tpm		35.4/2400		35.4/2400		
47	Internal Combustion Engine Rated Torque	Nm/tpm		161.3/1600		161.3/1600		
48	Internal Combustion Engine Number of Cylinder			4-87 × 102.4		4-87 × 102.4		
49	Internal Combustion Engine Displacement	L		2.434		2.434		
50	Internal Combustion Engine Fuel Tank Capacity	L		46		66		
51	Transmission type			Power Shift				Pov
52	Transmission Number of Speed Fwd/Bwd			1/1				



HELI								
CPCD30	CPCD35	CPQD10	CPQD15	CPQD18	CPQD20	CPQD25	CPQD30	CPQD35
		Gasoline						
3000	3500	1000	1500	1750	2000	2500	3000	3500
		500						
		Seated						
4182	4177	4017	4014		4004		4182	4117
0		3000			3000			
2075	2180	1995	1995	1995	2000	2000	2075	2180
145	150	150	155	155	145		145	150
1182	1177	1017	1014	1014	1004		1182	1177
5		1030	1030	1030	1035			
2170	2170	2140	2140	2140	2140	2140	2170	2170
3770	3840	2936	3150	3193	3430	3650	3770	3840
2700	2770	2166	2230	2273	2510	2580	2700	2770
475	485	401	405	408	470	470	475	485
525	585	355	415	455	440	510	525	585
1700	1700	1410	1410	1410	1600	1600	1700	1700
250	250	250	250	250	245	245	250	250
135	135	110	110	110	110	110	135	135
1225	1285	1075	1075	1090	1150	1150	1225	1285
1055/250	1055/250	950/200			1000/222	1000/222	1055/250	1055/250
1000	1060	900	900	930	970	970	1000	1060
970	970	930	930	930	970	970	970	970
2400	2420	1870	1950	1980	2170	2240	2400	2420
200	200	110	110	95	160	160	200	200
2380	2400	1945	2025	2055	2200	2280	2380	2400
12"		5" /10"			6" /12"			
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
18/19	19/19	17/18			17/19		18/19	19/19
500/550	450/480	590/650			550/600		500/550	450/480
0		450/550			450			
16/9.8	16.5/9.8	14.2/6.9			16.4/8.3		14.5/9.8	16.5/9.8
23/20	22/20	37/22	27/18	24/17	26/20	24/18	23/20	20/18
4400	5000	2300	2760	2970	3480	3800	4400	5000
6500/900	7600/900	2900/400	3705/555	4060/660	4878/602	5607/693	6500/900	7600/900
1760/2640	2000/3000	1040/1260	1187/1573	1145/1825	1392/2088	1520/2280	1760/2640	2000/3000
2		2X/2			2X/2			
atic		Pneumatic			Pneumatic			
28×9-15-12PR	28×9-15-14PR	6.50-10-10PR			7.00-12-12PR		28×9-15-12PR	28×9-15-14PR
6.50-10-10PR	6.50-10-10PR	5.00-8-8PR			6.00-9-10PR		6.50-10-10PR	6.50-10-10PR
		Hydraulic-Foot Pedal						
		Mechanical-Hand Lever						
0		12/60			12/60			
		KUBOTA V3600			NISSAN K15		NISSAN K25	
36.5/2600	46.9/2400	23.6/2400			31.2/2250		37.6/2400	
164/1500	210/1600	103/1600			143.7/1600		176.5/1600	
		4-98×120			4-89×83		4-89×100	
		3.62			2.065		2.488	
70	70	46			66	70	70	
Shift		Power Shift			Power Shift			
1		1/1			1/1			

HELI

9 SERIES

Reliable forklift



1-3.5 ton
ENGINE POWERED
FORKLIFT

STANDARD EQUIPMENT

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

OPTIONS

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

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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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