

**1-3.5 ton
ENGINE POWERED
FORKLIFT**

3 SERIES Reliable forklift

HELI

CHINESE EXPORT BRAND

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



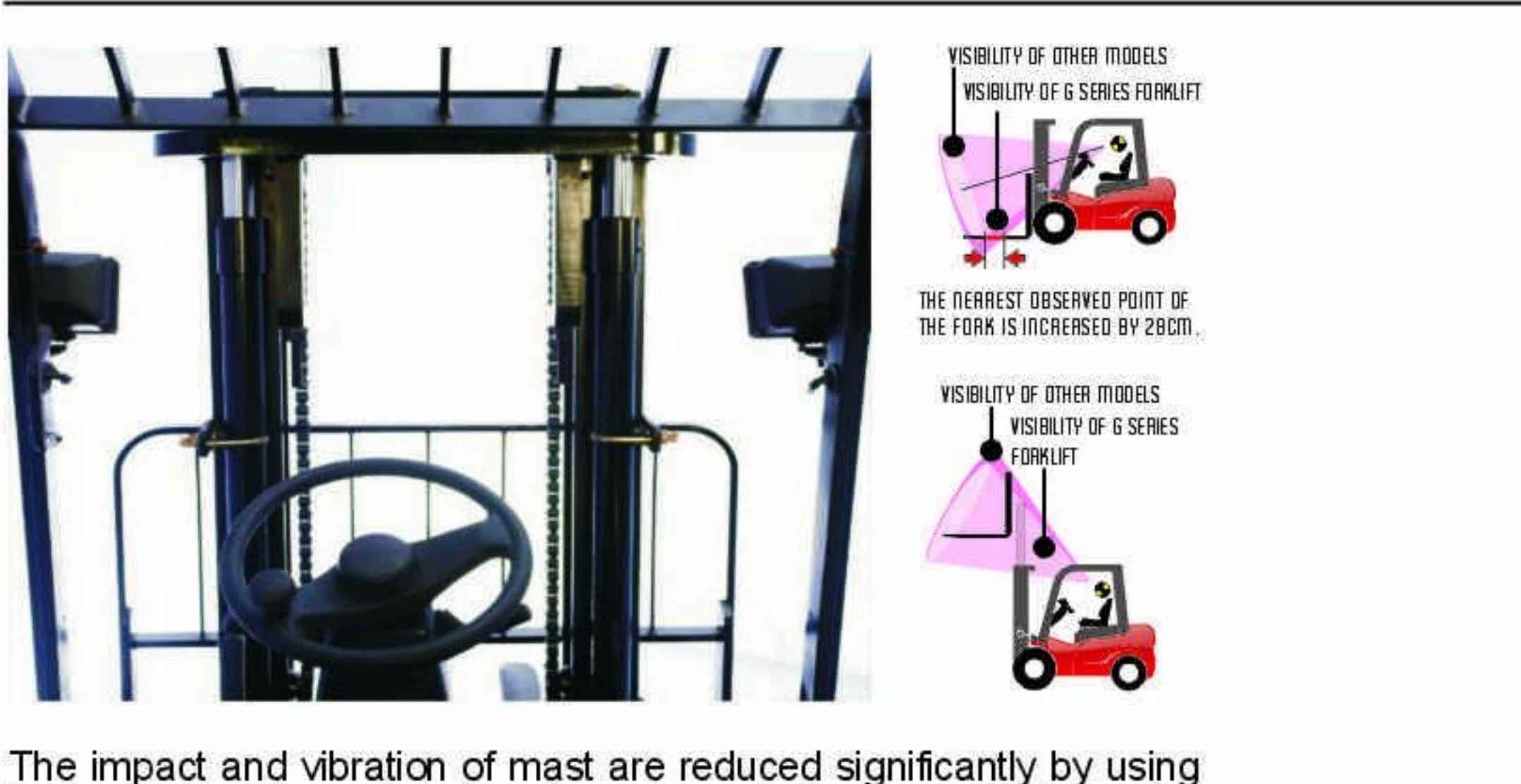
ENGINE POWERED
FORKLIFT

1-3.5 ton

SSERIES

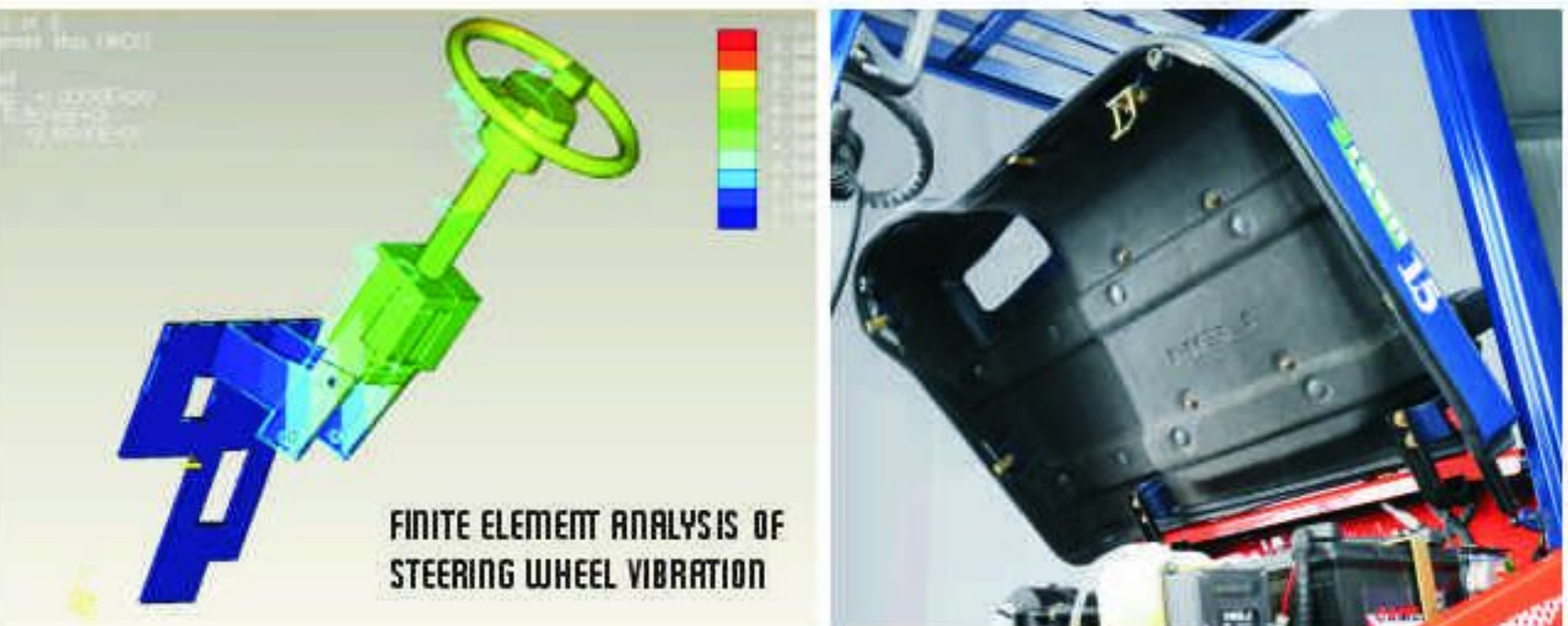
Reliable forklift

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 comfortable ergonomic design



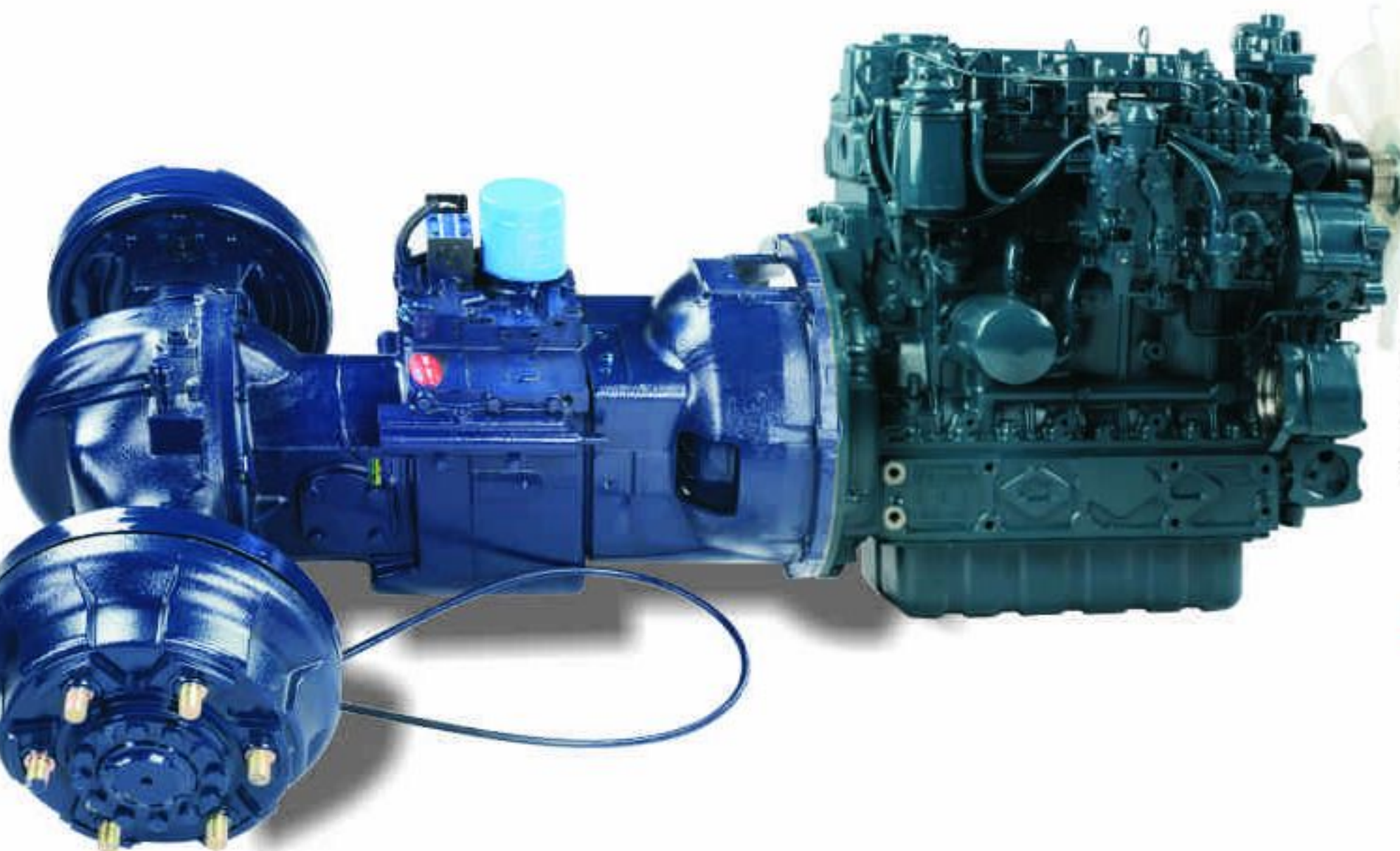
Through optimum design of the hood and tilt cylinder, the space for driver's leg is twice wider than other models, the bigger footplate make the operators to get on and off with ease. Such capacious space ensures the operating more comfortable.



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.

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



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.

Excellent safety performance





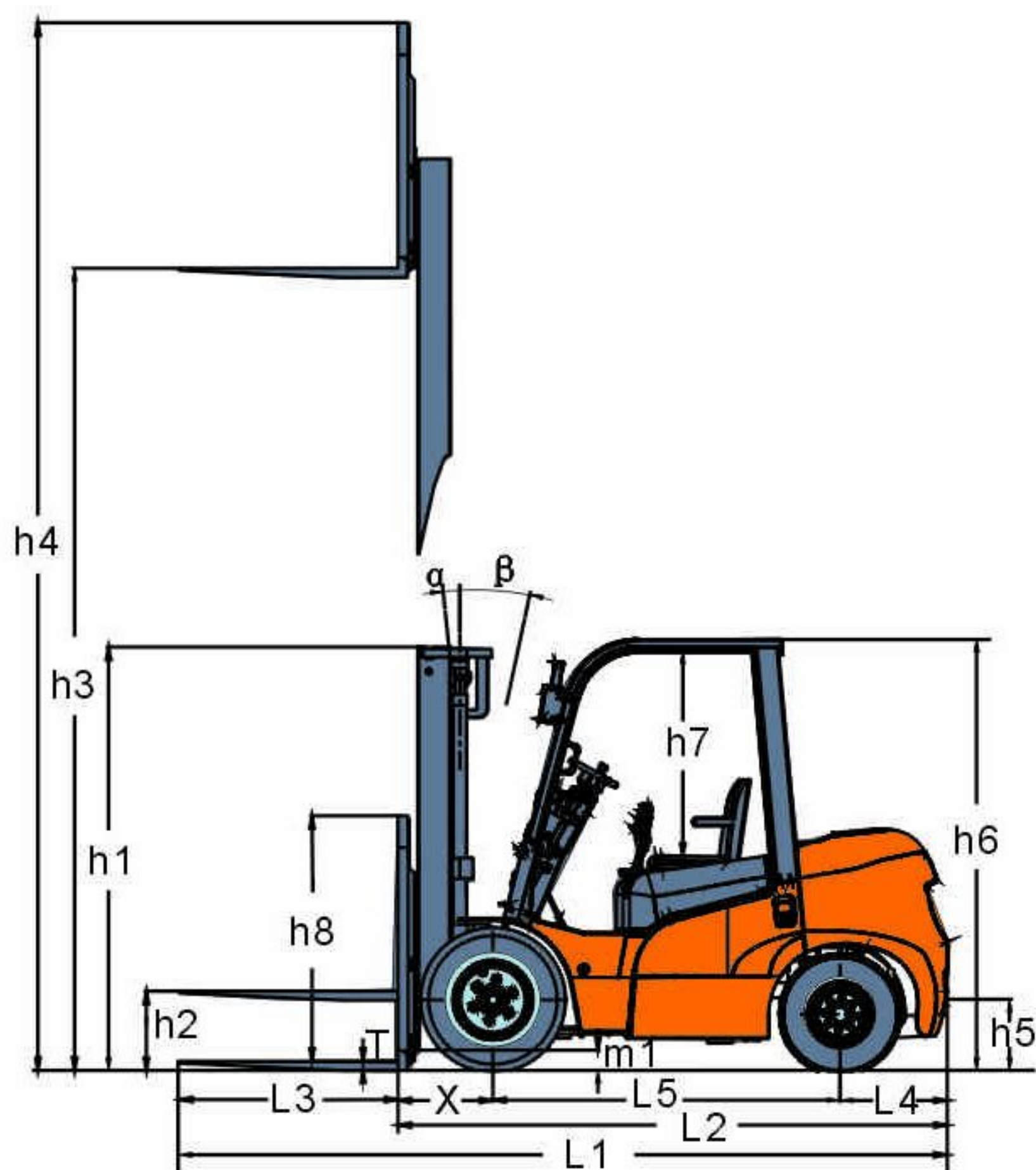
ENGINE POWERED
FORKLIFT

13.5 ton

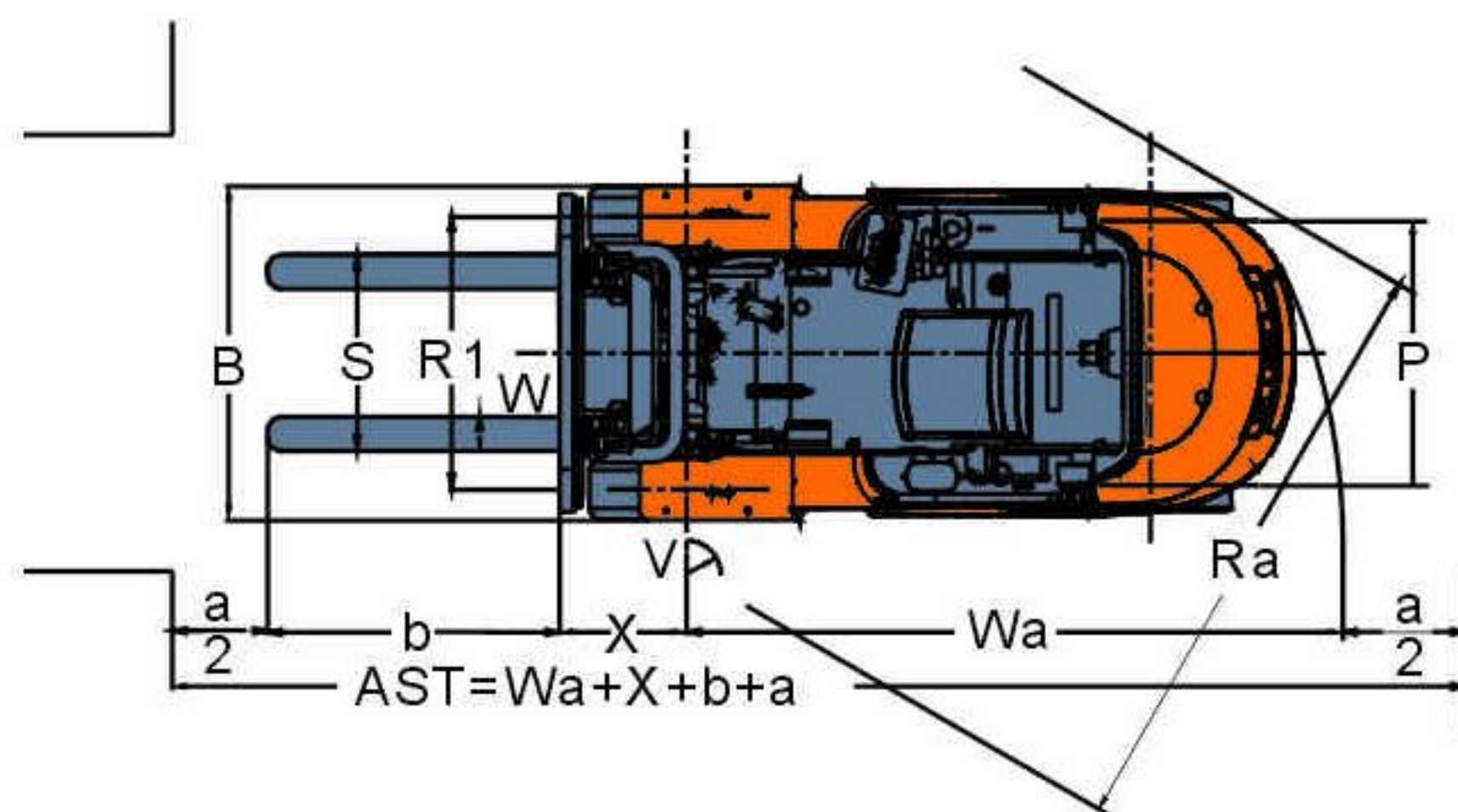


Manufacturers Data and Design Characteristics

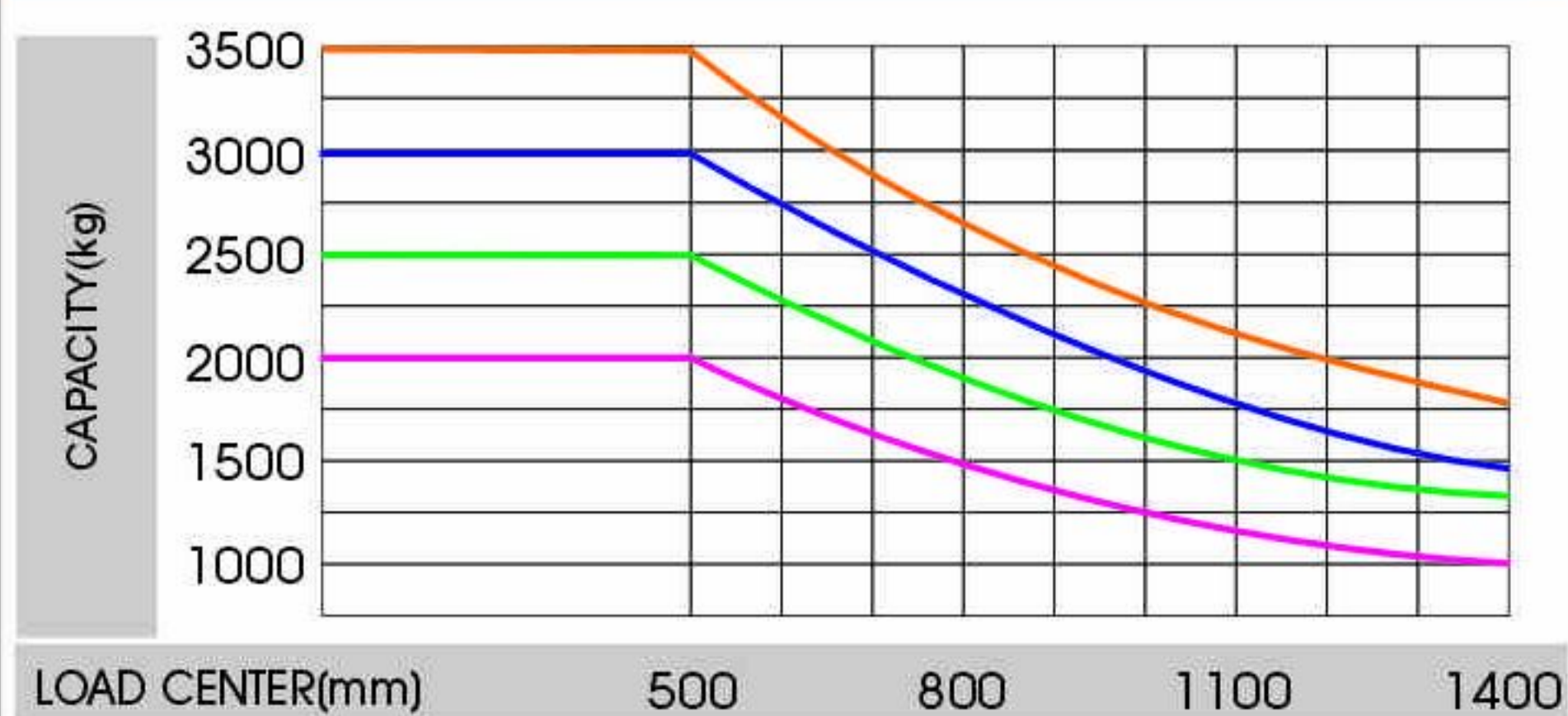
Characteristics																		
1	Manufacturer																	
2	Model		CPCD10	CPCD15	CPCD18	CPCD20	CPCD25	CPCD30	CPCD35	CPQD10	CPQD15	CPQD18	CPQD20	CPQD25	CPQD30	CPQD35		
3	Power unit		Diesel							Diesel								
4	Rated Capacity	kg	1000	1500	1750	2000	2500	3000	3500	1000	1500	1750	2000	2500	3000	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			12/80				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					



AST: Working aisle width with load
a: Clearance
b: Length Of Loading



Load curve



CPQD35/CPCD35 CPQD30/CPCD30 CPQD25/CPCD25 CPQD20/CPCD20

Notice:

Vertical axis stands for load capacity while horizontal axis 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.

Engine Model and Main Specification for Option

Internal Combustion Engine Model	Internal Combustion Engine Rate horse power	Internal Combustion Engine Rate torque	InternalCombustion Engine Displacement	InternalCombustion Engine Numberof 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 **3**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 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35	1-1.8t	2-2.5t mm	3t mm	3.5t mm	1-1.8t	2-3.5t	CPQD10 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35
M200	2000	1000	1500	1750	2000	2500	3000	3500	1495	1500	1565	1680	5 - 10°	6 - 12°	2240	2700	2910	3400	3720	4320	4920
M250	2500	1000	1500	1750	2000	2500	3000	3500	1745	1750	1815	1930	5 - 10°	6 - 12°	2265	2725	2935	3440	3760	4360	4960
M300	3000	1000	1500	1750	2000	2500	3000	3500	1995	2000	2075	2180	5 - 10°	6 - 12°	2300	2760	2970	3480	3800	4400	5000
M330	3300	1000	1500	1750	2000	2500	3000	3500	2145	2150	2215	2330	5 - 10°	6 - 12°	2315	2775	2985	3500	3820	4425	5020
M350	3500	1000	1500	1750	2000	2500	3000	3500	2245	2250	2315	2430	5 - 10°	6 - 12°	2330	2790	3000	3520	3840	4440	5040
M370	3700	1000	1500	1750	2000	2500	3000	3500	2345	2350	2415	2530	5-6-10° 5-10°	6-6-12° 6-12°	2350	2810	3020	3540	3860	4460	5060
M400	4000	1000	1500	1700 *1750	2000	2500	3000	3200 *3500	2545	2550	2615	2730	5-6-10° 5-10°	6-6-12° 6-12°	2390	2850	3060	3560	3880	4480	5080
M425	4250	950	1400 *1500	1605 *1750	1900 *2000	2230 *2500	2850 *3000	3150 *3150	2670	2675	2740	2855	5-6-10° 5-10°	6-6-12° 6-12°	2405	2865	3075	3580	3900	4500	5100
M450	4500	950	1300 *1400	1550 *1700	1800 *1900	2150 *2400	2750 *3000	3000 *3000	2795	2800	2865	2980	5-6-10° 5-10°	6-6-12° 6-12°	2420	2880	3090	3600	3920	4520	5120
M500	5000	930 *950	1000 *1350	1100 *1600	1600 *1700	1650 *2200	2400 *2850	2500 *3000	3045	3050	3115	3230	5-6-10° 5-10°	6-6-12° 6-12°	2455	2915	3125	3640	3960	4560	5160
M550	5500	*900	*1150	*1500	*1600	*1950	*2450	*2500	3345	3350	3415	3530	*3-6°	*3-6°	2620	3080	3290	3680	4000	4600	5200
M600	6000	*850	*1050	*1400	*1500	*1800	*2200	*2300	3595	3600	3665	3780	*3-6°	*3-6°	2650	3110	3320	3720	4040	4640	5240

NOTE: 1-1.8T(1)*(Front wheel) is dual wheels load capacity.
(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 Backset)				Tilting Angle		Service Weight (kg)							
		CPQD10 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35	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	2-3.5t	CPQD10 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35	
ZM200	2000	1000	1500	1750	2000	2500	3000	3500	1495	1500	1570	1680	480	480	350	500	5-10°	6-12°	2255	2725	2945	3440	3760	4370	4970	
ZM250	2500	1000	1500	1750	2000	2500	3000	3500	1745	1750	1820	1930	730	730	600	750	5-10°	6-12°	2315	2785	3005	3480	3800	4410	5010	
ZM300	3000	1000	1500	1750	2000	2500	3000	3500	1995	2000	2070	2180	980	980	850	1000	5-10°	6-12°	2350	2820	3040	3520	3840	4450	5050	
ZM330	3300	1000	1500	1750	2000	2500	3000	3500	2145	2150	2220	2330	1130	1130	1000	1150	5-10°	6-12°	2370	2840	3060	3560	3870	4480	5070	
ZM350	3500	1000	1500	1750	2000	2500	3000	3500	2245	2250	2320	2430	1230	1230	1100	1250	5-10°	6-12°	2385	2855	3075	3570	3890	4490	5090	
ZM370	3700	1000	1500	1750	2000	2500	3000	3500	2345	2350	2420	2530	1330	1330	1200	1350	5-6° 5-10°	6-6° 6-12°	2400	2870	3090	3590	3900	4520	5120	
ZM400	4000	1000	1500	1700 *1750	2000	2500	3000	3200 *3500	2545	2550	2620	2730	1530	1530	1400	1550	5-6° 5-10°	6-6° 6-12°	2450	2920	3140	3610	3930	4540	5140	
ZM425	4250	950	1400 *1500	1605 *1750	1900 *2000	2230 *2500	2850 *3000	3150 *3150	2670	2675	2745	2855	1650	1655	1525	1675	5-6° 5-10°	6-6° 6-12°	2470	2940	3160	3640	3960	4560	5160	
ZM450	4500	950	1300 *1400	1550 *1700	1800 *1900	2150 *2400	2750 *3000	3000 *3000	2795	2800	2870	2980	1780	1780	1650	1800	5-6° 5-10°	6-6° 6-12°	2485	2955	3175	3660	3980	4580	5180	
ZM500	5000	930 *950	1000 *1350	1100 *1600	1600 *1700	1650 *2200	2400 *2850	2500 *2850	3045	3050	3120	3230	2030	2030	1900	2050	5-6° 5-10°	6-6° 6-6°	2520	2990	3210	3710	4030	4620	5220	
ZM550	5500	*900	*1150	*1500	*1600	*1950	*2450	*2500	3345	3350	3420	3530	2330	2330	2200	2350	*3-6°	*3-6°	2695	3165	3385	3750	4070	4660	5260	
ZM600	6000	*850	*1050	*1400	*1500	*1800	*2200	*2300	3595	3600	3670	3780	2580	2580	2450	2600	*3-6°	*3-6°	2730	3200	3420	3790	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 Backset)				Tilting Angle		Service Weight (kg)							
		CPQD10 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35	1-1.8t	2-2.5t	3t	3.5t	1-1.8t	2-2.5t	3t	3.5t	1-1.8t	2-3.5t	CPQD10 CPCD10	CPQD15 CPCD15	CPQD18 CPCD18	CPQD20 CPCD20	CPQD25 CPCD25	CPQD30 CPCD30	CPQD35 CPCD35	
ZSM360	3600	1000	1450	1750	2000	2400	2900	3300	1790	1795	1946	1946	750	755	670	670	5-6°	6-6°	2395	2865	3085	3640	3960	4550	5150	
ZSM400	4000	1000	1400	1600	1900	2400	2900	3300	1920	1920	2065	2065	880	880	795	795	5-6°	6-6°	2420	2890	3110	3660	3980	4580	5180	
ZSM430	4350	900 *950	1350 *1400	1550 *1700	1850 *1900	2200 *2400	2800 *2900	3000 *3000	2040	2045	2190	2190	1000	1005	920	920	5-6°	6-6°	2445	2915	3135	3690	4010	4610	5200	
ZSM450	4500	900 *950	1300 *1350	1500 *1650	1750 *1800	2150 *2300	2700 *2800	2900 *2900	2090	2095	2240	2240	1050	1055	970	970	5-6°	6-6°	2475	2920	3145	3700	4020	4620	5220	
ZSM470	4700	900 *930	1300 *1350	1450 *1600	1720 *1800	2000 *2300	2650 *2800	2600 *2900	2160	2160	2240	2240	1120	1120	970	970	5-6°	6-6°	2485	2930	3155	3700	4020	4620	5230	
ZSM480	4800	900 *920	1100 *1350	1400 *1580	1700 *1800	1950 *2300	2600 *2800	2500 *2900	2190	2195	2340	2340	1150	1155	1070	1070	5-6°	6-6°	2495	2945	3160	3720	4040	4640	5240	
ZSM500	5000	900 *900	1100 *1300	1150 *1550	1600 *1750	1650 *2250	2400 *2750	2400 *2850	2290	2295	2440	2440	1250	1255	1170	1170	5-6°	6-6°	2520	2950	3185	3740	4060	4660	5260	
ZSM540	5400	800 *900	850 *1250	850 *1500	1450 *1700	1500 *2150	2250 *2650	2300 *2700	2420	2420	2565	2565	1380	1380	1295	1295	3-6°	3-6°	2540	2985	3205	3770	4090	4680	5280	
ZSM600	6000	550 *850	550 *1100	550 *1400	950 *1600	1000 *1800	1500 *2150	1550 *2200	2650	2645	2790	2790	1610	1605	1520	1520	3-6°	3-6°	2600	3045	3265	3800	4120	4730	5330	

NOTE: 1-1.8T(1)Max lifting without lift-bracket:-370mm.
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HELI

SERIES

Reliable forklift



1-3.5 ton

ENGINE POWERED
FORKLIFT

STANDARD EQUIPMENT

Handle	Class II (III) Carriage
Neutral Switch	Overhead Air Intake
Tools	Return Hydraulic Filter
Hour Meter	Two-Spool Control Valve
Side Roller	Overhead Guard Canvas
Electric Horn	Dipstick For Tor-Con oil
Fuel Gauge	Dipstick for Hydraulic Oil
Drawbar Pin	Transmission Filter
Standard Seat	Ignition Key Engine Stop
Standard Fork	Shock absorber For Hood
Fuel Regulator	Front Combination Lamp
Back-Up Alarm	Deluxe Rubber Floor Mat
Lamp Bracket	Rear Combination Lamp
Charge Indicator	Anti-Lock Valve For Tilting
Radiator Reserve	Engine Auto Glow System
Overhead Guard	Water Temperature Gauge
Rear View Mirror	Full Hydraulic Power Steering
Wide View Mast	Tilt Adjustable Steering Column
Loading Backrest	Lifting & Tilting Control Lever
Wearable Tire	Engine Oil Pressure Indicator
Cyclone Air Cleaner	Toggle Type Parking Brake Lever
Engine Glow Indicator	

OPTIONS

Heater	Crane Arm
Windshield	Side Shifter
Enclosed Cab	Hinged Forks
Fire Extinguisher	Drum Clamps
Dual Air Cleaner	Hinged Bucket
Rear View Mirror	Rotating Clamp
Catalytic Muffler	Loading Push/pull
Rear Working Light	Paper Roll Clamp
Custom Color Paint	Loading Stabilizers
Solid Tire	
Spark Arrester Muffler	
Tilt Seat For LPG Forklift	
Overhead Exhaust System	
Steel Mesh For Protection	
Dual Drive Wheel With Fender	
Auxiliary Hydraulic Valve Modules	
LPG Fuel System	
Oil Temperature Gauge For Torque Converter	
Boot For Tilt Cylinder and Steering Cylinder	

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