

Transmission System

Transmission is the design of built-in oil pump and gear, differential ring, to be provided with the traits of low db(decibel), stability and endurance, which is identical with the design idea from other world-known manufacturers of forklift truck.



Powerful Engine



XINCHAI NB485BPG (* X1 *)	
Displacement	2.27L
Rated Output	30KW
Max. Torque	131N.m/1800min

XINCHAI A490BPG (* X2 *)	
Displacement	2.54L
Rated Output	37KW
Max. Torque	148N.m/1900min



ISUZU C240PKJ (* W1 *)	
Displacement	2.369L
Rated Output	34.5KW
Max. Torque	139.3N.m/1800min

ISUZU 4JG2 (* W2 *)	
Displacement	3.059L
Rated Output	44.9KW
Max. Torque	186.3N.m/1800min



XINCHAI A495BPG (* X3 *)	
Displacement	2.98L
Rated Output	42KW
Max. Torque	174N.m/1800min



ISUZU HJ493 (* W3 *)	
Exhausted Capacity	2.771L
Rated Output	39KW
Max. Torque	165N.m/1800min

Standard Equipment

- Wide view mast
- Load backrest
- ISO class II carriage
- Fork
- Long life tires
- Power steering
- Retaining rollers
- Overhead guard
- Suspension seat
- Drawbar pin
- Cyclopack air cleaner
- Toggle type parking brake lever
- Column shift direction lever
- Lift and tilt levers
- 3-Spool hydraulic valve
- Dipstick for converter oil
- Return hydraulic filter
- Convener oil filter
- Load check valve
- Lift circuit cut-off valve
- Lift lock valve
- Halogen head lights
- Rear view mirrors
- Back-up lamp
- Warning lamp
- Electric horn
- Neutral safety switch
- Deluxe floor mat
- Cylinder type bonnet stay
- Overhead air intake
- Radiator reservoir
- Tilt adjustable steering post
- Asbestos free brake
- Turn signal lights
- Lamp guard
- Full hydrostatic power steering
- Hourmeter
- Water temperature meter
- Fuel meter
- Engine oil pressure warning indicator
- Charge indicator
- Glow indicator
- Hand grip
- Operator tool kit
- Back up buzzer

Series A Engine New

The series A engine is equipped with imported nozzle, using directly injection technology, combining optimized valve train and advanced fuel system. The benefit includes easy starting in low temperature, low noise, high dependability, compact structure, steadily power transfer and low oil consumption. It also adds the oil/water separate device in the said engine. The competitive advantage exists when the forklift truck is fully loaded, the engine only works at medium speed. It also considers energy conservation, environmental protection, Europe II Emission and increased engine service time. While reducing the density of black smoke by a large margin, it also becomes high power, low consumption too.

NB485BPG is suitable for 1.0~1.5T forklift
A490BPG is suitable for 2.0~3.5T forklift
A495BPG is suitable for 3.0~3.5T forklift

Optinal Attachments

- Fork extensions
- Load back rest
- Water muffler
- Stabilizer
- Push-Pull
- Ox catalyst exhaust
- Gas purifier
- Side shifter
- Ram for coil handling
- Rotating forks
- Rotating paper roll clamps
- Bale clamp/Rotating lateral clamp
- Boom
- Hoist arm/Hoist hook
- Single/Multiple drum clamps
- Hinged fork
- Hinged bucket
- Full Free 2-Stage mast
- Full Free 3-Stage mast
- Standard mast with other lifting height
- Cushion tyre
- Warning lights, lighting lamps and working lamps
- Forklift trucks available for Hazardous area operations or foundry operations

Optional Equipment and Accessories

- Front dual wheels and fender extension
- Solid tires
- Dual tires
- Heater for steel cabin
- Color tire (white, green)
- Power clutch
- Oil
- Power brake
- Torque converter oil temperature meter
- Smoke reduction/spark arrester muffler
- Fire extinguisher
- Tilt cylinder boot
- Standard LPG tank
- Rear working light
- Custom color paint
- Auxilliary piping
- Auxilliary hydraulic valve modules
- Non-slip differential
- Overhead exhaust
- Dipstick for hydraulic oil
- All weather steel cabin

Fork Data Sheet

Standard Equipment L x W x T mm	Width W mm	Thickness T mm	Length L mm												Suitable Forklift	
920x100x35	100	35	770	*920	1070	1220	1370	1520	—	—	—	—	—	—	—	1.0T
920x100x35	100	35	770	*920	1070	1220	1370	1520	—	—	—	—	—	—	—	1.5T
1070x125x40	125	40	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	2.0T
1070x125x40	125	40	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	2.5T
1070x125x45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	3.0T
1070x125x45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	3.5T
1070x150x55	150	55	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	4.0T
1070x150x55	150	55	770	920	*1070	1220	1370	1520	1670	1820	1970	—	—	—	—	4.5T
1220x150x55	150	55	770	920	1070	*1220	1370	1520	1670	1820	1970	2120	2270	2420	2570	5.0T
1220x150x60	150	60	770	920	1070	*1220	1370	1520	1670	1820	1970	2120	2270	2420	2570	6.0T
1220x150x65	150	65	770	920	1070	*1220	1370	1520	1670	1820	1970	2120	2270	2420	2570	7.0T
1220x170x70	170	70	770	920	1070	*1220	1370	1520	1670	1820	1970	2120	2270	2420	2570	8.0T
1220x175x80	175	80	770	920	1070	*1220	1370	1520	1670	1820	1970	2120	2270	2420	2570	10T

Specifications and design are subject to change without prior notice. Machines shown may include optional equipment.



L Series

Diesel forklift

ISO9001
CE



- Rated capacity: 1.0T/1.5T/2.0T/2.5T/3.0T/3.5T
- Streamlined exterior design
- Buffer device for transverse steering axle
- Overhead dual air filters



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1~3.5T Internal Combustion (Diesel) Balance Weight Forklift

- The machine body is designed with big arc streamline and fitted with open anti-slipage pedal. High position air suction inlet is fitted behind the top protection frame above the column to ensure the engine absorbs clean air and prolong the service life. The engine hood has functions of sound absorption and heat isolation.
- Rear in-built dual lifting cylinder is used, wide visual view, safety operation and high efficiency.
- A hydraulic converter produced by introduction of Japanese technology, high efficiency, no oil leakage, reliable work, compact structure of hydraulic transmission, shift gear valve, micromotion valve, characterized by smooth starting, stepless speed adjustmet, micromotion and acceleration performance.
- Full hydraulic steering gear, transverse cylinder, steering axle integrated into one body, flexible steering, compact structure and convenient repair.
- Adjustable driver's seat, reducing operation fatigue to a maximum extent. Tilt lifting steering wheel and new type multifunctional panel fully represents harmony between the machine and human.
- Imported sealing parts are used in the cylinder, cone sealing used in fittings, good sealing performance, long service life; multiple reversing valve with automatic tilt locking device, advanced structure to meet safety requirement.
- Big power and free-maintenancing battery with American technology, small volume, good performance, long storage period; general contactor arranged in the electric circuit, prolong life of the key switch, completely removing self-discharge.
- Beautiful appearance, quick and smooth lifting, high high productivity, it is an ideal loading and unloading machine for stations, ports, docks, warehouse, warehouse, airports and factories etc which need low noise and small smoke.

Features: Ecofriendly, High Productivity Trucks

- Ecofriendly engines conforming to US Tier I & Euro Com II norms available.
- Indigenous power shift automatic torque converter transmission with electric gear shift.
- High visibility upright, overhead guard and carriage improve operator vision.



Air Intake System and Muffler

Due to abnormal dust may generate during an operation of a forklift, installing the air-intake of the air filter above the protection frame will ensure the suction of clean air, and the use of high efficient cyclone air filter also reduce the wear of the engine, hence improving its service life.



Fibrous Engine Cover and Good Quality Start Battery

All of internal-combustion forklift with materials of heat-insulation and sound-absorbing inside, Greatly improve the working environment and have the very well absorption violation. Those forklifts adopt imported DELPHI battery with very high quality and efficiency. The machines can be started very easily.



Instrument and Control Rod

Functionally -arranged and integrated panel layout for easy scanning of meters and monitors, and conveniently-placed, shift levers for better control. Tube in good order.



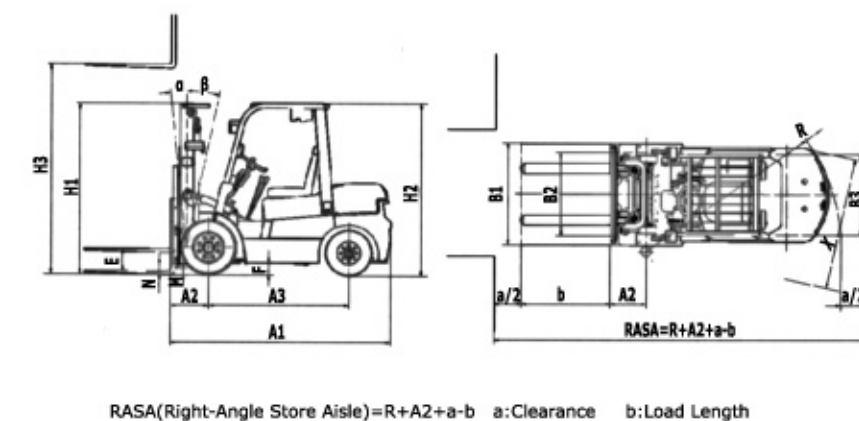
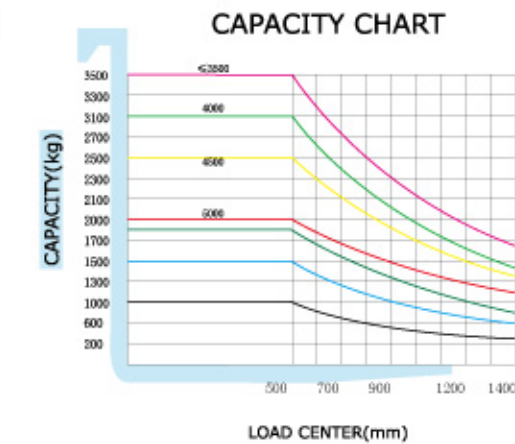
Comfortable Real Leather Seat

The comfortable real leather seat has side handrails and flexible safety belt, making the driver stable in the seat. The seat can vertical adjust in 10 CM, and can rebound according to the driver's weight with comfortableness and safety. The seamless cover of the seat has both waterproof and durability, which gives comfortable manipulation environment to manipulator.

L Series 1.0T-3.5T Diesel Forklift Specifications

Manufacture		SINOLIFT											
Model	Power type	CPC(D)10-X1	CPC(D)15-X1	CPC(D)18-X1	CPC(D)20-X2	CPC(D)25-X2	CPC(D)30-X2	CPC(D)35-X2					
		CPC(D)10-W1	CPC(D)15-W1	CPC(D)18-W1	CPC(D)20-W1	CPC(D)25-W1	CPC(D)30-X3	CPC(D)35-X3					
		*****	*****	*****	CPC(D)20-W3	CPC(D)25-W3	CPC(D)30-W1	CPC(D)35-W1					
		*****	*****	*****	*****	*****	CPC(D)30-W2	CPC(D)35-W2					
Rated capacity	kg	1000	1500	1750	2000	2500	3000	3500					
Load center	mm	500	500	500	500	500	500	500					
Lift height	mm	3000	3000	3000	3000	3000	3000	3000					
Free lift height	E mm	164	164	164	140	140	145	145					
Fork size	NxUxL mm	920x100x40	920x100x40	1070x120x40	1070x120x40	1070x100x45	1070x100x45	1070x130x45					
Mast tilt angle	α / β deg	6/12	6/12	6/12	6/12	6/12	6/12	6/12					
Front overhang	A2 mm	436	436	436	482	482	501	501					
Overall dimensions	Length to face of fork	A1 mm	2180	2235	2270	2510	2580	2720	2720				
	Overall width	B1 mm	1095	1095	1095	1150	1150	1225	1225				
	Mast lowered height	H1 mm	1995	1995	1995	1995	1995	2070	2070				
	Mast extended height	H3 mm	4030	4030	4030	4037	4037	4272	4272				
	Overhead guard height	H2 mm	2075	2075	2075	2060	2060	2090	2090				
Turning radius	R mm	1890	1960	2000	2170	2240	2460	2460					
Min. right angle aisle width	X mm	1720	1780	1820	1920	2010	2110	2190					
Performance	Travel speed (no load / full load)	Hydraulic	14.5/13.5	14.5/13.5	14.5/13.5	17/19	17/19	17/19	17/19				
		Mechanical	6/5.5	6/5.5	6/5.5	8.5/9	8.5/9	8.8/9	8.8/9				
	Lift speed (full load)	Shift I	14/13.5	14/13.5	14/13.5	18.5/19	18.5/19	18.5/20	18.5/20				
		Shift II	450	450	450	450	450	400	360				
Max. gradeability	%	20	20	20	20	20	18	15					
Self weight	kg	2340	2740	2943	3550	3880	4380	4750					
Wheel & Tires	Tires	Front	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28*9-15-14PR	28*9-15-14PR				
		Rear	5.00-8-8PR	5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR				
	Tread	Front	B2 mm	890	890	890	970	970	1000	1000			
		Rear	B3 mm	920	920	920	970	970	970	970			
Wheelbase	A3 mm	1400	1400	1400	1600	1600	1700	1700					
Ground clearance (full load / no load)	Mast	M mm	95/105	95/105	85/105	85/105	85/105	110/135	110/135				
	Frame	F mm	105/115	105/115	105/115	100/105	100/105	130/135	130/135				
Drive units	Apply to truck model		CPC(D)10/15/18-X1	CPC(D)10/15/18-W1	CPC(D)20/25-X2	CPC(D)20/25-W1	CPC(D)20/25-W3	CPC(D)30/35-X2	CPC(D)30/35-X3	CPC(D)30/35-W1	CPC(D)30/35-W2		
	Model		XINCHAI NB485BPG	ISUZU C240PKJ	XINCHAI 490BPG	ISUZU C240PKJ	ISUZU H3493	XINCHAI 490BPG	XINCHAI 495BPG	ISUZU C240PKJ	ISUZU 43G2		
	Rated output	kw/rpm	30/2600	34.5/2500	37/2650	34.5/2500	39/2500	37/2650	42/2650	34.5/2500	44.9/2450		
	Rated torque	N.m/rpm	131/1800	139/1800	148/1900	139/1800	163/1800	148/1900	174/1800-2000	139/1800	186.3/1600-1800		
	No. of cylinder		4	4	4	4	4	4	4	4	4		
Bore x stroke	mm	85*100	86*102	90*100	86*102	92*93	90*100	95*105	86*102	95.4*107			
Displacement	L	2.27	2.369	2.54	2.369	2.771	2.54	2.98	2.369	3.059			

1. Special lifting height available.
2. Attachment available.
3. The specification in the table are for standard models only, All specifications indicated are subject to a variation of ± 15%, and may be further affected by operation conditions, optional fittings and accessories. Critical specification should be confirmed before placement of order. Specification are subject to change without notice, for further information ,please contact us.



Notice:
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 lifts forward, using non-standard forks or loading goods with extra width. Please the different load capacity between different load centers according to load chart.

Mast Specifications of L Series 1.0T-3.5T Diesel Forklift

Mast Model	Lift Height	Lifting Capacity							Overall Height of Mast						Free Lift (%)			Mast Tilt Angle		
		4-Fulcrum forklift							1-1.8T		2-2.5T		3-3.5T		1-1.8T		2-2.5T		3-3.5T	
		Load Capacity at 500mm Load Center							Lowered	Extended	Lowered	Extended	Lowered	Extended	4-Fulcrum		4-Fulcrum		4-Fulcrum	
		Min	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
M020	2000	1000	1500	1750	2000	2500	3000	3500	1496	3030	1522	3130	1581	3247	164	336	300	6/12	6/12	6/12
		2500	3000	3500	4000	4500	5000	5500	1746	3530	1772	3530	1831	3747	164	336	300	6/12	6/12	6/12
M030	3000	1000	1500	1750	2000	2500	3000	3500	1996	4030	2022	4030	2081	4247	164	336	300	6/12	6/12	6/12
		3500	4000	4500	5000	5500	6000	6500	2246	4330	2272	4330	2331	4547	164	336	300	6/12	6/12	6/12
M050	5000	1000	1500	1750	2000	2500	3000	3500	2246	4530	2272	4530	2331	4747	164	336	300	6/12	6/12	6/12
		3500	4000	4500	5000	5500	6000	6500	2496	4730	2322	4730	2431	4947	164	336	300	6/12	6/12	6/12
M060	6000	900	1350	1400	1600	1800	2000	2200	2546	5030	2572	5030	2631	5247	164	336	300	6/6	6/6	6/6
		1000	1500	1600	1800	2000	2200	2400	2796	5530	2822	5530	2881	5747	164	336	300	6/6	6/6	6/6
M075	7500	800	1200	1300	1400	1500	1600	1700	2021	5780	2947	5780	3001	5997	164	336	300	6/6	6/6	6/6
		900	1300	1400	1500	1600	1700	1800	2021	5780	2947	5780	3001	5997	164	336	300	6/6	6/6	6/6
M080	8000	800	1200	1300	1400	1500	1600	1700	4046	6030	3072	6030	3131	6247	164	336	300	6/6	3/6	3/6
		900	1300	1400	1500	1600	1700	1800	4046	6030	3072	6030	3131	6247	164	336	300	6/6	3/6	3/6
M050	5500	900	1300	1400	1500	1600	1700	1800	3346	6530	3372	6530	3431	6747	164	336	300	3/6	3/6	3/6
		1000	1400	1500	1600	1700	1800	1900	3346	6530	3372	6530	3431	6747	164	336	300	3/6	3/6	3/6
M060	6000	900	1300	1400	1500	1600	1700	1800	3596	7030	3622	7030	3681	7247	164	336	300	3/6	3/6	3/6
		1000	1400	1500	1600	1700	1800	1900	3596	7030	3622	7030	3681	7247	164	336	300	3/6	3/6	3/6

2-Stage Full Free Lift Mast

Mast Model	Lift Height	Lifting Capacity							Overall Height of Mast						Free Lift (%)			Mast Tilt Angle		
		4-Fulcrum forklift							1-1.8T		2-2.5T		3-3.5T		1-1.8T		2-2.5T		3-3.5T	
		Load Capacity at 500mm Load Center							Lowered	Extended	Lowered	Extended	Lowered	Extended	4-Fulcrum		4-Fulcrum		4-Fulcrum	
		Min	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
2FPC020	2000	1000	1500	1750	2000	2500	3000	3500	1496	3040	1520	3120	1581	3241	164	336	300	6/12	6/12	6/12
		2500	3000	3500	4000	4500	5000	5500	1746	3540	1770	3520	1831	3741	164	336	300	6/12	6/12	6/12
2FPC030	3000	1000	1500	1750	2000	2500	3000	3500	1996	4040	2020	4020	2081	4241	164	336	300	6/12	6/12	6/12
		3500	4000	4500	5000	5500	6000	6500	2246	4340	2270	4320	2331	4541	164	336	300	6/12	6/12	6/12
2FPC050	5000	1000	1500	1750	2000	2500	3000	3500	2246	4540	2270	4520	2331	4741	164	336	300	6/12	6/12	6/12
		3500	4000	4500	5000	5500	6000	6500	2496	4740	2320	4720	2431	4941	164	336	300	6/12	6/12	6/12
2FPC070	7000	900	1350	1400	1600	1800	2000	2200	2546	5040	2570	5040	2631	5241	164	336	300	6/6	6/6	6/6
		1000	1450	1500	1700	1900	2100	2300	2796	5540	2820	5540	2881	5741	164	336	300	6/6	6/6	