

5-7t XA series mast:(pneumatic)

Type	Model	Max. fork height	Overall height				Free lift		Load distance, centre of drive axle to fork	Tilt range	Capacity		
			Lowered	Extended		Without backrest	With backrest	FWD/BWD			Load capacity at 600mm		
				Without backrest	With backrest						Dual tire		
mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg		
Wide view mast	XAS070M250	2500	2250	3505/3667	3907	160	160	600/605	10/12	5000	6000	7000	
	XAS070M270	2700	2350	3705/3867	4107	160	160	600/605	10/12	5000	6000	7000	
	XAS070M300	3000	2500	4005/4167	4407	160	160	600/605	10/12	5000	6000	7000	
	XAS070M330	3300	2650	4305/4467	4707	160	160	600/605	10/12	5000	6000	7000	
	XAS070M360	3600	2800	4605/4767	5007	160	160	600/605	10/12	5000	6000	7000	
	XAS070M400	4000	3000	5005/5167	5407	160	160	600/605	10/12	5000	6000	7000	
	XAS070M430	4300	3200	5305/5467	5707	160	160	600/605	6/6	5000	6000	7000	
	XAS070M450	4500	3300	5505/5667	5907	160	160	600/605	6/6	5000	6000	7000	
	XAS070M480	4800	3450	5805/5967	6207	160	160	600/605	6/6	5000	6000	7000	
	XAS070M500	5000	3550	6005/6167	6407	160	160	600/605	6/6	5000	6000	7000	
Wide view full free Duplex mast	XAS070M550	5500	3850	6550/6667	6907	160	160	600/605	6/6	4750	5700	6600	
	XAS070M600	6000	4100	7050/7167	7407	160	160	600/605	6/6	4400	5400	6400	
	XAS070U250	2500	2185	3455/3615	3837	1200/1070	1048	631/636	10/12	5000	6000	7000	
	XAS070U270	2700	2300	3655/3815	3937	1345/1185	1163	631/636	10/12	5000	6000	7000	
	XAS070U300	3000	2450	3955/4115	4137	1495/1335	1313	631/636	10/12	5000	6000	7000	
	XAS070U330	3300	2600	4255/4415	4437	1645/1485	1463	631/636	10/12	5000	6000	7000	
	XAS070U360	3600	2750	4555/4715	4737	1795/1635	1613	631/636	10/12	5000	6000	7000	
	XAS070U400	4000	2950	4955/5115	5137	1995/1835	1813	631/636	10/12	5000	6000	7000	
	XAS070N450	4500	2725	5735	5907	1500	1328	667/672	6/6	4500	5500	6400	
	XAS070N480	4800	2825	6035	6207	1600	1428	667/672	6/6	4500	5500	6300	
Wide view full free Triplex mast	XAS070N500	5000	2875	6213	6407	1672	1478	667/672	6/6	4500	5500	6300	
	XAS070N550	5500	3075	6785	6907	1800	1678	667/672	6/6	4200	5200	6100	
	XAS070N600	6000	3225	7235	7407	2000	1828	667/672	6/6	4000	5000	5500	
	XAS070N700	7000	3675	8385	8407	2300	2278	667/672	6/6	3000	3300	3800	

8.5-10t XA series mast:(pneumatic)

Type	Model	Max. fork height	Overall height				Free lift		Load distance, centre of drive axle to fork	Tilt range	Capacity		
			Lowered	Extended		Without backrest	With backrest	FWD/BWD			Load capacity at 600mm		
				Without backrest	With backrest						Dual tire		
mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg		
Wide view mast	XABS100M250	2500	2450/2600	3715/4050	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M270	2700	2550/2700	3915/4255	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M300	3000	2700/2850	4215/4555	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M330	3300	2850/3000	4515/4855	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M360	3600	2950/3100	4715/5055	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M360	3600	3000/3150	4815/5155	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M400	4000	3200/3350	5215/5555	/	200	/	710/725	10/12	8500	10000	10000	
	XABS100M430	4300	3400/3550	5515/5855	/	200	/	710/725	6/6	8500	10000	10000	
	XABS100M450	4500	3500/3650	5715/6055	/	200	/	710/725	6/6	8500	10000	10000	
	XABS100M480	4800	3650/3800	6015/6355	/	200	/	710/725	6/6	8500	10000	10000	
Wide view full free Duplex mast	XABS100M500	5000	3750/3900	6215/6555	/	200	/	710/725	6/6	8500	10000	10000	
	XABS100M550	5500	4050/4200	6740/7055	/	200	/	710/725	6/6	7900	9000	9000	
	XABS100M600	6000	4300/4450	7240/7555	/	200	/	710/725	6/6	7500	8500	8500	
	XABS100M650	6500	4600/4750	7790/8055	/	200	/	710/725	6/6	6300	7300	7300	
	XABS100U230	2300	2350/2500	3505/3845	/	1145/955	/	719/744	10/12	8500	10000	10000	
	XABS100U250	2500	2450/2600	3705/4045	/	1245/1055	/	719/744	10/12	8500	10000	10000	
	XABS100U270	2700	2550/2700	3905/4245	/	1345/1155	/	719/744	10/12	8500	10000	10000	
	XABS100U300	3000	2700/2850	4205/4545	/	1445/1305	/	719/744	10/12	8500	10000	10000	
	XABS100U330	3300	2850/3000	4505/4845	/	1645/1455	/	719/744	10/12	8500	10000	10000	
	XABS100U360	3600	3000/3150	4805/5145	/	1795/1605	/	719/744	10/12	8500	10000	10000	
Wide view full free Triplex mast	XABS100N400	4000	3200/3350	5205/5545	/	1385/1805	/	719/744	10/12	8500	10000	10000	
	XABS100N450	4500	2750/2850	5775/6055	/	1485/1305	/	759/794	6/6	7500	8500	8500	
	XABS100N480	4800	2850/2950	6075/6355	/	1585/1405	/	759/794	6/6	7500	8500	8500	
	XABS100N500	5000	2950/3050	6360/6555	/	1600/1505	/	759/794	6/6	7500	8500	8500	
	XABS100N550	5500	3100/3200	6810/7055	/	1800/1655	/	759/794	6/6	7000	7000	7000	
	XABS100N600	6000	3250/3350	7275/7555	/	1985/1805	/	759/794	6/6	6400	7000	7000	
	XABS100N650	6500	3530/3630	7840/8055	/	2200/2085	/	759/794	6/6	5800	6200	6200	
	XABS100N700	7000	3700/3800	8310/8555	/	2400/2255	/	759/794	6/6	4800	5200	5200	

With sideshifter minus 300kg,with integral sideshifter minus 200kg.

Optional Engine / Transmission

Engine	Engine manufacturer/type		YUCHAI/YC4A100-T20	YUCHAI/YC6B125-T20
	Manufacturer's type designation		G42	G17
Drive		Diesel	Diesel	
Emission STD		GB II	GB II	
Engine power		69/2300	92/2200	
Rated torque		N·m/r/min	330/1450-1650	
Number of cylinders/displacement		ml	4/4836	
Transmission		CHINA	✓	
Rated capacity/rated load		Q (kg)	5000-7000	



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XA Series Diesel Counterbalanced Forklift Trucks

with capacities of 5,000 to 10,000kg

The World of Hangcha



XA SERIES

DIESEL COUNTERBALANCED FORKLIFT TRUCKS

The XA series is the new series of internal combustion counterbalance forklift truck developed by Hangcha independently, adopting the world advanced technologies based on the original products. Through the comprehensive upgrading of appearance molding, energy conservation, environmental protection, comfort, security and reliability, it will become the world-class forklift truck which can meet your overall demands.

Strong appearance and visual impact

The appearance of full vehicle is developed under the cooperation with professional industrial design company by adopting the appearance design methods of brand-new concept. The stream-lined surface modeling design brings smooth lines, elegant appearance, vigorous and steady surface as well as the outstanding inherence, possessing the powerful visual impact.

The appearance of full vehicle is exquisite and concise, which adopting the newly designed parts with opening mould at large area, the appearance of full vehicle will be more humanized.

Innovation design



The new designed mast increase forward visibility 15%



Fuel consumption ↓ 10% (Common rail engine)



Grade-speed ability ↑ 15%



Legroom ↑ 15%



Aluminous plate-fin radiator provides stronger structure



Water temp ↓ 10 C, oil temp ↓ 10%



Energy conservation and environmental protection

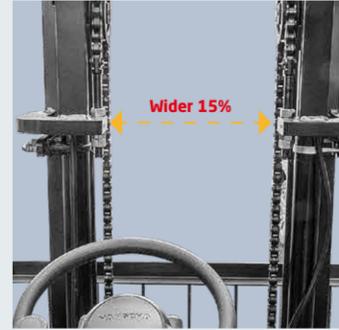


The whole truck adopts LED lights as shiner and new-type panoramic retroreflector to ensure energy conservation and power saving as well as greatly improve the performance and service life of luminaires at the same time.

The full vehicles all adopt the environmental protection material to reduce environmental hazards.

Comfort

Reduce the caster angle of instrument stand and adopt the integral hood to greatly increase the space underfoot; The orthodrome of overhead guard fore leg will expand the driving space;



Adopt the new-type of box iron. Increase the inside width of inner mast and the spacing between lifting cylinders. The lowering of instruments in the driving cab will greatly increase the forward visibility; The rear visibility will also be greatly improved through the optimization design of counter-weight.

Optimized air intake and exhaust system of full vehicle, high-capacity exhaust silencer and high-effect intake silencer will reduce the noise of full vehicle and reduce the vibration.

Fully improved reliability and security



The radiator adopts aluminous plate-fin radiator with better performance and higher structural strength. Impendent oil radiator, optimized oil and water heat dissipation channel and double ventilation holes on counterweight can greatly improve cooling efficiency and reliability of overloaded operation and ensure reliable operation of the engine.

Overhead guard adopts special-shaped steel tube, which can reinforce the strength and improve sealing of the cab.

5.0-7.0t roller bearing on the steering axle king pin adopts large size tapered roller bearing (TRB), larger steering cylinder and bumper block assemblies on the top, which can prolong the service life of bearing and highly improve the reliability of steering axle.

Along with adopting a low height for the step, it has also been made wider, facilitating frequency entry and exit.

Easy maintenance



Newly-developed LCD instrument has more comprehensive functions and more stable performance and entirely displays the full vehicle running state, trouble diagnosis and other important information, which can make the operator more intuitively and conveniently have a better knowledge of vehicle state and make the maintenance conveniently.



The enlarged opening angle of hood and increase of left and right hood side plates can provide you with convenient and rapid maintenance mode.(Optional cylinder jacket)



Integral locking pin structure on the baseboard can be opened without tool, which is convenient for daily repair and maintenance.

Standard Specification

- / Drum brake
- / Working light
- / Hydraulic oil filter
- / Seat with belt
- / Skidproof pedal
- / Air filter
- / Hydraulic oil dipstick
- / Traction device
- / Mast speed limiting valve
- / Full hydraulic power steering
- / Wide view duplex mast
- / Standard forks
- / Standard overhead guard
- / Rear combination LED light
- / Hydraulic power assisted braking (5-7t)
- / panoramic rearview mirror
- / Dynamic braking(8.5-10t)
- / Adjustable steering column
- / Pre-heating indicator
- / Engine fuel pressure warning
- / Neutral switch
- / Engine hood spring
- / Dipstick
- / Standard load backrest(5-7t)
- / Horn
- / Fuel gauge
- / LCD display
- / High-positioned intake system
- / High-positioned exhaust system
- / Cable parking brake
- / Tilt cylinder self-locking valve
- / Accumulator pressure alarm lamp(8.5-10t)
- / Timer
- / Mecha-hydraulic steering hydraulic transmission
- / Charging indicator
- / Manual fork positioner(8.5-10t)
- / Water temperature gauge
- / Air filter alarm lamp
- / Reversing buzzer
- / Hand grip
- / Oil-water separator
- / Rubber pedal
- / Multiplex hydraulic valve
- / Waterproof cover on the guard

Options

- / Imported brakes (5-7t)
- / Cabin
- / Customer painting
- / Cabin heater
- / LED rear working light
- / Hood lock
- / Solid tyre
- / Non-mark tyre (white/green)
- / Sparkle arrester
- / Suspension seat
- / Electro-hydraulic steering hydraulic transmission
- / Powershift
- / Fuel tank lock
- / Extinguisher
- / Reversing assist grip with horn button
- / Height of overhead guard
- / Dual air filter
- / Toolbox
- / Wet brake(8.5-10t)
- / Emergency switch
- / Fan protector
- / Over-speed alarm
- / Warning light
- / OPS system

Optional Mast

- / Duplex wide view full free mast
- / Trilex wide view full free mast
- / Special duplex wide view mast
- / Wider fork carriage
- / Special forks

Optional Attachments

- / Paper roll clamp
- / Fork positioner
- / Load stabilizer
- / Side shifting fork positioner
- / Bale clamp
- / Steel pipes Hinge Fork
- / Dumping clamp
- / Crane arm
- / String pole
- / Sideshifter
- / Rotating forks
- / Fork extensioner
- / Tyre handler
- / Block clamp
- / Mechanical drum clamp(5-6t)
- / Bucket



XA Series Diesel Counterbalanced Forklift Trucks

		HANGCHA GROUP CO., LTD.						
Distinguishing mark	1.1	Manufacturer						
	1.2	Manufacturer's type designation	CPCD50-XAG42	CPCD60-XAG42	CPCD85-XAG42	CPCD85-XAG17	CPCD100-XAG17	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Diesel	Diesel	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated	Seated	Seated	
	1.5	Load capacity/rated load	Q (kg)	5000	6000	7000	8500	10000
	1.6	Load centre distance	c(mm)	600	600	600	600	600
Weight	1.8	Load distance, centre of drive axle to fork	x(mm)	600	605	710	725	
	1.9	Wheelbase	y(mm)	2300	2300	2300	2500	2800
	2.1	Service weight	kg	8050	8580	9350	11400	12900
	2.2	Axle loading, laden front/rear	kg	11440/1610	12870/1710	14740/1610	18100/1800	20600/2300
	2.3	Axle loading, unladen front/rear	kg	3810/4240	3850/4830	3890/5460	5260/6140	5810/7090
	Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
3.2		Tyre size, front	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR	9.00-20-14PR	
3.3		Tyre size, rear	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR	9.00-20-14PR	
3.5		Wheels, number front rear (x = driven wheels)	4x/2	4x/2	4x/2	4x/2	4x/2	
3.6		Tread, front	b10 (mm)	1489	1489	1489	1628	1628
3.7		Tread, rear	b11 (mm)	1700	1700	1700	1700	1700
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	10/12	10/12	10/12	10/12	
	4.2	Height, mast lowered	h1 (mm)	2500	2500	2500	2700	2850
	4.3	Free lift	h2 (mm)	160	160	160	200	200
	4.4	Lift	h3 (mm)	2940	2940	2935	2925	2920
		Lift height	h23 (mm)	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	4407	4407	4407	4215	4555
	4.7	Height of overhead guard (cabin)	h6 (mm)	2400	2400	2400	2580	2580
	4.8	Seat height relating to SIP	h7 (mm)	1320	1320	1320	1505	1505
	4.12	Coupling height	h10 (mm)	430	430	430	505	505
	4.19	Overall length	l1 (mm)	4720	4750	4825	5420	5750
	4.20	Length to face of forks	l2 (mm)	3500	3530	3605	3900	4230
	4.21	Overall width	b1 (mm)	1990	1990	2197	2197	2197
	4.22	Fork dimensions	s/e/l (mm)	60x150x1220	60x150x1220	65x160x1220	75x160x1520	80x160x1520
	4.23	Fork carriage DIN 15 173, class/type A, B		IV A	IV A	IV A	/	/
	4.24	Fork-carriage width	b3 (mm)	1850	1850	1850	2000	2000
	4.31	Ground clearance, laden, below mast	m1 (mm)	190	190	190	250	250
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	270	270	270	357	357
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	5030	5080	5155	5540	5865
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	5230	5280	5355	5740	6065
	4.35	Turning radius	W0 (mm)	3230	3280	3350	3630	3940
	4.36	Internal turning radius	b13 (mm)	1150	1150	1150	1325	1395
Performance data	5.1	Travel speed, laden/unladen	km/h	27/30	27/30	27/30	28/31	28/31
	5.2	Lift speed, laden/unladen	m/s	0.45/0.5	0.45/0.5	0.4/0.45	0.35/0.39	0.35/0.39
	5.3	Lowering speed, laden/unladen	m/s	0.480/0.420	0.480/0.420	0.480/0.420	0.460/0.400	0.460/0.400
	5.5	Drawbar pull, laden/unladen	N	51000/24000	51000/24000	51000/24000	75000/45000	75000/45000
	5.7	Gradeability, laden/unladen	%	35/20	35/20	35/20	25/23	25/23
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	
Combustion-engine	7.1	Engine manufacturer/type	YUCHAI/YC4A100-T20	YUCHAI/YC4A100-T20	YUCHAI/YC4A100-T20	YUCHAI/YC6B125-T20	YUCHAI/YC6B125-T20	
	7.2	Engine power acc.to ISO 1585	kw	69	69	69	92	92
	7.3	Rated speed	r/min	2300	2300	2300	2200	2200
	7.4	No. of cylinders/displacement	(-)/ (cm³)	4/4836	4/4836	4/4836	6/6871	6/6871
	7.9	Vehicle electrical system voltage	V	24	24	24	24	24
	7.10	Battery voltage/nominal capacity	V/Ah	2-12/90	2-12/90	2-12/90	2-12/90	2-12/90
		Rated torque	Nm/r/min	330/1450-1650	330/1450-1650	330/1450-1650	463/1400-1700	463/1400-1700
		Transmissions Manufacturer		China	China	China	China	China
	Transmissions Type		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
	Stage Fwd/RVS		2/2	2/2	2/2	2/2	2/2	
Addition data	10.1	Operating pressure for attachments	bar	190	190	190	195	195
	10.2	Oil volume for attachments	l/min	132	132	132	119	119
	10.3	Hydraulic Tank - Capacity (drain & refill)	liter	120	120	120	160	160
	10.4	Fuel tank capacity	liter	150	150	150	180	180
	10.7	Sound level at the driver's ear according to DIN 12053	dB(A)	89	89	89	89	89
10.8	Towing coupling, type DIN 15170		Pin	Pin	Pin	Pin	Pin	

