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ISO45001
ISO45001:2018



ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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A Series Internal Combustion Forklift

with capacities of 5,000 to 7,000kg

The World of Hangcha



A Series Internal Combustion Forklift

The A series is a novel series of internal combustion counterweight forklifts, which is independently developed by Hangcha by learning Japanese Nissan's technologies and on the basis of the prior products. Through comprehensive optimization of the exterior design, safety, comfort and reliability, the performance of the vehicle has been greatly improved in comparison with the prior products.



Appearance

/ With the latest exterior design method used, the vehicle has a smooth vivid profile following the latest exterior design trend.

Safety

/ The center of gravity of the vehicle moves backward to enable the higher longitudinal stability and high-position operation stability of the vehicle.

Comfortable

/ Advanced ergonomic technology, an integral engine hood, a steering wheel of a smaller size and an enlarged space for the pedaling foot are used to significantly improve the operation comfort and reduce the operator's fatigue.
/ The A series uses an integral engine hood and water tank lid to increase the rigidity of the hood, improve the enclosure of the vehicle and reduce the noise.

Reliable

/ The engine's air intake pipe is provided as an independent channel in a high position to effectively prevent dust from being sucked in.
/ The large-capacity aluminum plate-fin heat dissipater has optimized heat dissipation channels. The integrated transmission oil and engine coolant heat dissipater and intercooler provide a good heat dissipation capacity.
/ The novel designed hyperbolic main gear drive axle has low noise and higher reliability.
/ An enhanced YQX100 gearbox with gears shifted mechanically and an optimized transmission ratio to increase vehicle speed. A mechanical gear shifting mechanism is used to enable clearer and more reliable gear shifting.
/ The front lights and tail lights are LED lights, which are energy-saving and environmentally friendly and have a long service life.



Standard Specification

- / Standard seat
- / Standard fork
- / Standard fork carriage
- / Standard load backrest
- / Standard overhead guard
- / Rainproof overhead guard cover
- / Duplex wide-view mast
- / Traction device
- / High-position air intake device
- / Hydraulic reversing
- / Fully hydraulic power steering
- / Vacuum-assisted braking
- / Steering wheel adjusting device
- / Cable-type stop brake
- / Electric horn
- / Anti-skid boarding step
- / Boarding handle
- / Large rubber pedal pad
- / Rearview mirror
- / Engine hood gas spring
- / Hydraulic oil dipstick
- / Self-locking valve in the tilting fuel circuit
- / Enhanced gearbox
- / Speed limit valve in the lifting fuel circuit
- / Transmission oil fine-filter
- / Two-piece multiway valve
- / Hydraulic oil suction filter
- / Reversing buzzer
- / Combination headlight
- / Front work light
- / Combination tail light
- / Water temperature meter
- / Engine hour counter
- / Oil gauge
- / Turn signal lights
- / Preheating indicator
- / Charge indicator
- / Engine oil pressure alarm
- / Neutral gear safety switch
- / Oil-water separator indicator
- / Electric flameout
- / Mid-position emission device
- / Air filter

Options

- / Cab
- / Cab heater
- / Cab air conditioner
- / Solid tire
- / Clean tire (white/green)
- / User specified color
- / Suspended safety seat
- / High-position emission device
- / High and low overhead guards
- / Imported brake
- / Tilt cylinder jacket
- / Fuel tank cap locked
- / Double air filters
- / Counterweight grille
- / Heat dissipater grille
- / Engine fan shroud
- / Exhaust fire protection device
- / Electro-hydraulic steering
- / Exhaust purifier
- / Alarm light
- / Fire extinguisher
- / Rear operation lights
- / Main power switch
- / Rear armrest with a horn button
- / Speed limit alarm device
- / Automatic gear shifting system
- / Vehicle toolkit

Optional Mast

- / Free duplex wide-view mast
- / Free triplex wide-view mast
- / Special duplex wide-view mast
- / Widened fork carriage
- / Special fork

Optional attachments

- / Side shift fork
- / Independently-adjustable fork
- / Side shift adjustable fork
- / Paper roll clamp
- / Rotator
- / Soft package clamp
- / Bucket
- / Tipping fork
- / Mechanical barrel clamp (5-6 t)
- / Steel pipe tipping fork
- / Load stabilizer
- / Boom
- / Tie rod
- / Fork sleeve
- / Tire clamp
- / Brick clamp



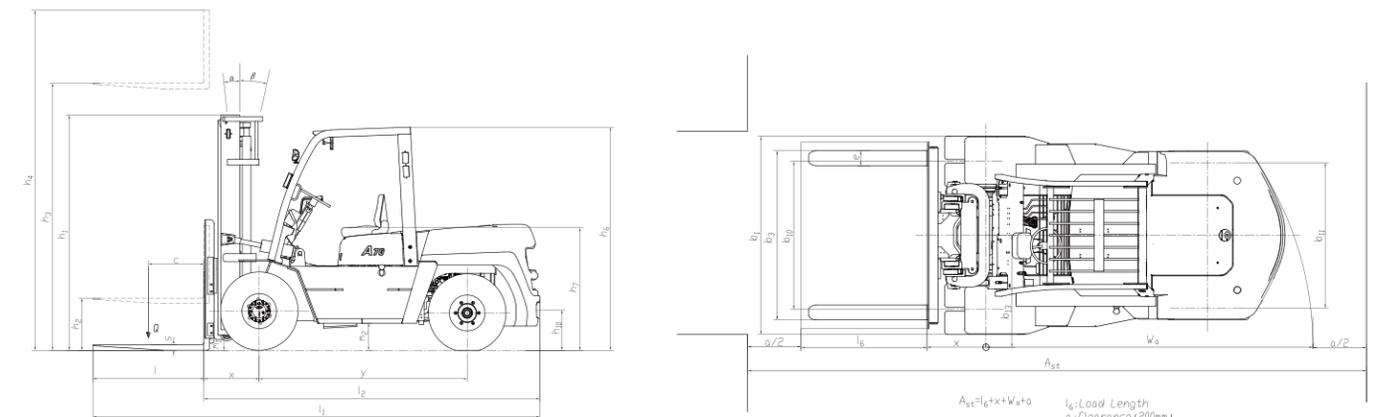
A Series Internal Combustion Forklift Specification

Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation	CPCD50-AG42	CPCD60-AG42	CPCD70-AG42	
1.3	Drive	Diesel	Diesel	Diesel		
1.4	Operator type	Seated	Seated	Seated		
1.5	Load capacity/rated load	Q (kg)	5000	6000	7000	
1.6	Load centre distance	c(mm)	600	600	600	
1.8	Load distance, centre of drive axle to fork	x(mm)	595.5	595.5	605.5	
1.9	Wheelbase	y(mm)	2300	2300	2300	
Weight	2.1	Service weight	kg	8000	8600	9250
	2.2	Axle loading, laden front/rear	kg	11650/1350	13080/1520	14560/1690
	2.3	Axle loading, unladen front/rear	kg	3220/4780	3470/5130	3730/5520
Tyres, chassis	3.1	Tyres	Pneumatic	Pneumatic	Pneumatic	
	3.2	Tyre size, front	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	
	3.3	Tyre size, rear	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	
	3.5	Wheels, number front rear (x = driven wheels)	4x/2	4x/2	4x/2	
	3.6	Tread, front	b ₁₀ (mm)	1489	1489	1489
	3.7	Tread, rear	b ₁₁ (mm)	1460	1460	1460
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12
4.2	Height, mast lowered	h ₁ (mm)	2500	2500	2500	
4.3	Free lift	h ₂ (mm)	160	160	160	
4.4	Lift height	h ₃ (mm)	3000	3000	3000	
4.5	Height, mast extended	h ₄ (mm)	4407	4407	4407	
4.7	Height of overhead guard	h ₆ (mm)	2360	2360	2360	
4.8	Seat height	h ₇ (mm)	1270	1270	1270	
4.12	Coupling height	h ₁₀ (mm)	430	430	430	
4.19	Overall length	l ₁ (mm)	4760	4810	4890	
4.20	Length to face of forks	l ₂ (mm)	3560	3610	3690	
4.21	Overall width	b ₁ (mm)	1990	1990	1990	
4.22	Fork dimensions	s/e/l (mm)	60×150×1200	60×150×1200	65×150×1200	
4.23	Fork carriage DIN 15 173, class/type A, B		IV A	IV A	IV A	
4.24	Fork-carriage width	b ₃ (mm)	1700	1700	1700	
4.31	Ground clearance, laden, below mast	m ₁ (mm)	200	200	200	
4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	235	235	235	
4.33	Aisle width for pallets 1000 x 1200 crossways	A _{st} (mm)	5035	5075	5165	
4.34	Aisle width for pallets 800 x 1200 lengthways	A _{st} (mm)	5235	5275	5365	
4.35	Turning radius	W ₀ (mm)	3240	3280	3360	
4.36	Internal turning radius	b ₁₃ (mm)	1215	1215	1215	
Performance data	5.1	Travel speed, laden/unladen	km/h	27/30	27/30	27/30
	5.2	Lift speed, laden/unladen	m/s	0.540/0.580	0.540/0.580	0.480/0.510
	5.3	Lowering speed, laden/unladen	m/s	0.480/0.420	0.480/0.420	0.480/0.420
	5.5	Drawbar pull, laden/unladen	N	65000/24000	65000/24000	65000/24000
	5.7	Gradeability, laden/unladen	%	35/20	33/20	30/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
		Parking brake		Mechanical	Mechanical	Mechanical
Combustion-engine	7.1	Engine manufacturer/type	YUCHAI/YC4A100-T20	YUCHAI/YC4A100-T20	YUCHAI/YC4A100-T20	
		Emission standard	GB II	GB II	GB II	
	7.2	Engine power acc.to ISO 1585	kw	69	69	69
	7.3	Rated speed	r/min	2300	2300	2300
	7.4	No. of cylinders/displacement	(-)/(cm ³)	4/4836	4/4836	4/4836
	7.9	Vehicle electrical system voltage	V	24	24	24
	7.10	Battery voltage/nominal capacity	V/Ah	2-12/90	2-12/90	2-12/90
		Rated torque	N·m/r/min	330/1450~1650	330/1450~1650	330/1450~1650
		Transmissions Manufacturer		China	China	China
		Transmissions Type		Powershift	Powershift	Powershift
	Stage FWD/RVS		2/2	2/2	2/2	
Addition data	8.2	Operating pressure for attachments	bar	190	190	190
	8.5	Towing coupling,type DIN		Pin	Pin	Pin

Mast Specification:(Pneumatic)

Type	Model	Max. fork height	Extended height		Free lift height		Front Overhang	Tilt range	Capacity			
			Lowered	Extended		Without backrest			With backrest	Load Capacity at 600mm		
				Without backrest	With backrest					Double tire		
		mm	mm	mm	mm	mm	mm	(°)	5t	6t	7t	
				mm	mm	mm	mm		kg	kg	kg	
Wide view Duplex mast	A50/70M250	2500	2250	3495/3667	3907	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M270	2700	2350	3695/3867	4107	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M300	3000	2500	3995/4167	4407	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M330	3300	2650	4295/4467	4707	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M360	3600	2800	4595/4767	5007	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M400	4000	3000	4995/5167	5407	160	160	595.5/605.5	6/12	5000	6000	7000
	A50/70M430	4300	3200	5300/5467	5707	160	160	595.5/605.5	6/6	5000	6000	7000
	A50/70M450	4500	3300	5500/5667	5907	160	160	595.5/605.5	6/6	5000	6000	7000
	A50/70M480	4800	3450	5800/5967	6207	160	160	595.5/605.5	6/6	5000	6000	7000
	A50/70M500	5000	3550	6000/6167	6407	160	160	595.5/605.5	6/6	5000	6000	7000
Free duplex wide-view mast	A50/70M550	5500	3850	6550/6667	6907	160	160	595.5/605.5	3/6	4750	5700	6600
	A50/70M600	6000	4100	7050/7167	7407	160	160	595.5/605.5	3/6	4400	5400	6400
Free triplex wide-view mast	A50/70N450	4500	2725	5735	5907	1500	1328	667/672	6/6	4500	5500	6400
	A50/70N480	4800	2825	6035	6207	1600	1428	667/672	6/6	4500	5500	6300
	A50/70N500	5000	2875	6213	6407	1672	1478	667/672	6/6	4500	5500	6300
	A50/70N550	5500	3075	6785	6907	1800	1678	667/672	3/6	4200	5200	6100
	A50/70N600	6000	3225	7235	7407	2000	1828	667/672	3/6	4000	5000	5500
	A50/70N700	7000	3675	8385	8407	2300	2278	667/672	3/6	3000	3300	3800

With sideshifter minus 500kg, with integrated sideshifter minus 400kg.



Lifting capacity (kg)

