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"Hangcha Forklift"  
App herunterladen



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

2024 VERSION 1.1 COPYRIGHT 2024/03

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## X Series Internal Combustion Tractor

with capacities of 3,500 to 8,000kg

*The World of Hangcha*  
SINCE 1956



# X Series Internal Combustion Tractor

Representing the design concept of safety, reliability, comfort and environmental protection, Hangcha's X series 3.5-8.0 ton internal combustion tractor has the features of high power, large traction force, high operating efficiency, etc. and is suitable for medium and short distances and point-to-point logistics transportation.



## Exterior

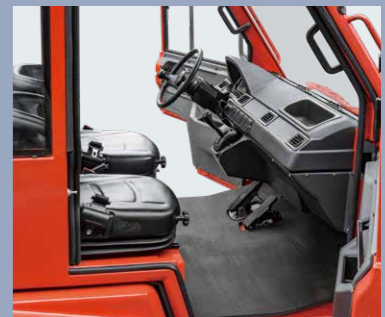
- / The body has a stylish profile formed by a combination of large arcs and streamlined curved surfaces. The easy pass-through chassis and the cab are arranged appropriately, bringing visual tension and sense of power and following the latest international trend of exterior design.
- / The vehicle is compact in appearance and the exposed parts are environmentally friendly large stamped metal parts, which are robust and reliable. The interior is composed of large injection molded parts, which are integrally molded, fully cover the inside and are luxurious and generous.

## Safety and reliability

- / The front part, beam, etc. which are molded with 20mm thick steel plates and the welded body, all have high strength and are suitable for pushing operations.
- / Two sets of independent air-push-liquid all-wheel braking systems, with double pipelines arranged in an X shape and front and rear partial pressure, enable safe, stable and reliable braking and are suitable for remote control of trailer braking. With the air cylinder design, they can even brake reliably when not powered.
- / The foolproof self-limited gear shifter makes gear shifting easy and reliable.
- / The traction device with a safety buckle and self-locking function provides double protection and prevents the traction pin from jumping or being mis-operated.
- / With the electrical main switch, emergency shut-off and stalling can be performed safely and reliably.

## Comfort

- / With the human-machine interaction system that consists of compact and reliable novel digital multifunctional instruments with clear liquid crystal displays, a combination rocker switch and a standard speedometer, the operations of the vehicle can be shown clearly.
- / Special forklift technologies such as a horizontal cylinder steering axle, a full hydraulic steering gear, etc. are used and the steering force is less than 10N.
- / The advanced chassis elastic suspension technology and the long wheelbase and large flexibility design enable a great ride comfort.
- / The wide-view cab with an integral frame is flexibly connected to the body, and has good sealing, sound insulation, vibration isolation and heat insulation, etc. It is equipped with a cooling and heating air conditioner to improve the driver's comfort and operating ease.



## Environmental protection

- / Well matching the high-efficiency gearbox, the low-speed and high-torque engine provides strong power and enables high efficiency and good economy of the vehicle.
- / The emission complies with national standards, and a higher level of environmental protection configuration is optional (in compliance with the national test standard IV).
- / Asbestos-free materials, which can be recycled and reused, are used for the vehicle.

## Maintainability

- / With the design of a wide-opened hood, when the hood is opened, the engine, fuel tank, water tank, oil pump, steering gear, etc. are all exposed to facilitate repair and maintenance.
- / The electrical controllers, battery, etc. are arranged concentratedly and the fuses are installed separately to facilitate maintenance.

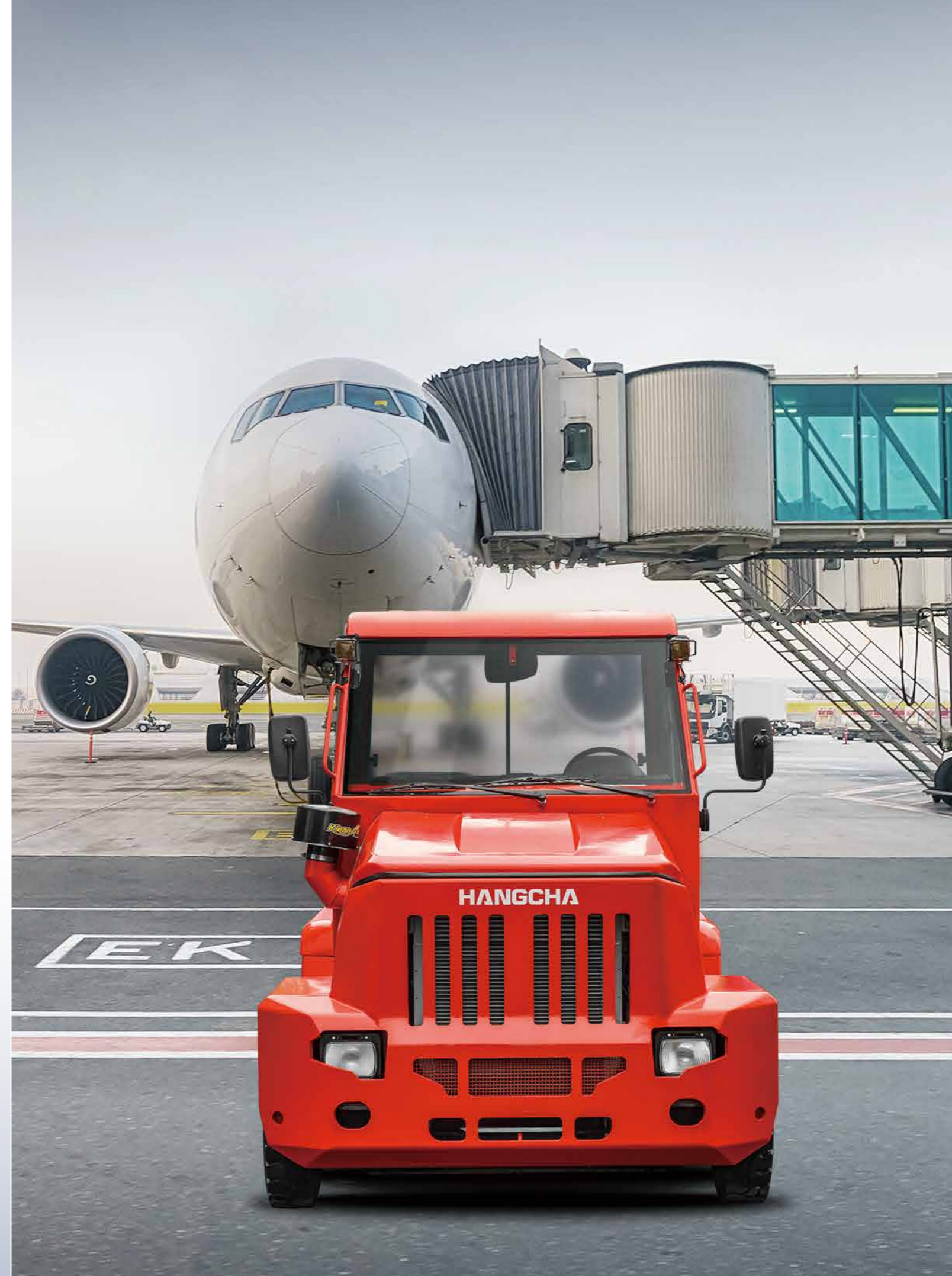


## Standard Specification

- / Headlights (high-beam and low-beam)
- / Turn signal lights
- / Combination LED tail lights
- / Oil gauge
- / Water thermometer
- / Engine hour counter
- / Engine oil pressure alarm
- / Gearbox oil temperature alarm
- / Gearbox oil pressure meter
- / Fully-suspended seat
- / Electric horn
- / Reverse buzzer
- / Main power switch
- / Speedometer
- / Cup holder
- / Fire extinguisher
- / Front wiper
- / Reflective mirror
- / Rearview mirror
- / Ceiling light
- / Large integral rubber pedal pads
- / Boarding handle
- / Fully hydraulic steering
- / Steering wheel adjusting device
- / Air-push-liquid braking system
- / Heater
- / Front glass defroster
- / Neutral gear safety switch

## Options

- / Police light
- / Rear work light
- / Speed limit alarm
- / Traction pin height scheme
- / Awning
- / Front wiper
- / Air conditioner
- / Fuel tank cap locked
- / Front hook
- / Solid tire
- / Remote trailer braking and electrical output
- / User specified colors
- / Tool box



# X Series 3.5-8.0t Internal Combustion Tractor Specification

		HANGCHA GROUP CO.,LTD.																			
Distinguishing mark	1.1	Manufacturer																			
	1.2	Manufacturer's type designation	QCD35-XG87	QCD40-XG87	QCD45-XG87	QCD50-XG87	QCD35-XG87B	QCD40-XG87B	QCD45-XG87B	QCD50-XG87B	QCD60-XG90	QCD70-XG90	QCD80-XG90	QCD60-XG90B	QCD70-XG90B	QCD80-XG90B					
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel					
	1.7	Rated drawbar pull	N	35000	40000	45000	50000	35000	40000	45000	50000	60000	70000	80000	35000	40000	45000				
		Towing Weight(one pallet)	kg	47000	53000	60000	66000	47000	53000	60000	66000	80000	90000	100000	47000	53000	60000				
		Towing Weight(Two pallet)	kg	70000	80000	90000	100000	70000	80000	90000	100000	120000	135000	150000	70000	80000	90000				
Weight	1.9	Wheelbase	y (mm)	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170					
	2.1	Service Weight	kg	5800	6300	6800	7300	5800	6300	6800	7300	8600	9600	10600	8600	9600	10600				
Tyres, chassis	2.3	Axle loading, unladen front/rear	kg	1750/4050	1750/4550	1750/5050	1750/5550	1750/4050	1750/4550	1750/5050	1750/5550	1750/6850	1750/7850	1750/8850	1750/6850	1750/7850	1750/8850				
	3.2	Tyre size, front		2-7.00-12-12PR					2-7.00-12-12PR					2-7.50-16-14PR			2-7.50-16-14PR				
	3.3	Tyre size, rear		4-7.50-16-14PR			4-8.25-15-14PR			4-7.50-16-14PR			4-8.25-15-14PR			4-9.00-20-14PR 4-8.25-15-14PR			4-9.00-20-14PR 4-8.25-15-14PR 4-8.25-15-14PR		
	3.6	Tread, front	b10 (mm)	1740					1740					1715			1715				
	3.7	Tread, rear	b11 (mm)	1420					1420					1600			1600				
Dimensions	4.7	Height of overhead guard (cabin)	h6 (mm)	2422					2422					2522			2522				
	4.12	Coupling height	h10 (mm)	470					470					470			470				
	4.19	Overall length	l1 (mm)	3825					3825					3865			3865				
	4.21	Overall width	b1 (mm)	1930					1930					1930			1930				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	200					200					200			200				
	4.35	Turning radius	Wa (mm)	3850					3850					4450			4450				
Performance data	5.1	Travel speed, laden/unladen	km/h	-/22					-/22					-/24			-/30				
	5.7	Gradeability, laden/unladen	%	-/30					-/30					-/30			-/30				
	5.10	Service brake		Steam Push Fluid					Steam Push Fluid					Steam Push Fluid			Steam Push Fluid				
		Parking brake		Mechanical					Mechanical					Mechanical			Mechanical				
Combustion-engine	7.1	Engine manufacturer/type		YUCHAI/YCA05115-T480					YUCHAI/YCA05115-T480					YUCHAI/YCA07160-T400			YUCHAI/YCA07160-T400				
		Emission STD.		CN Stage IV					CN Stage IV					CN Stage IV			CN Stage IV				
	7.2	Engine power according to DIN ISO 1585	kw	85					85					118			118				
	7.3	Rated speed	min	2200					2200					2200			2200				
	7.4	Number of cylinders/displacement	(-)/(cm³)	-/4837					-/4837					-/6870			-/6870				
	7.10	Battery voltage/nominal capacity	V/Ah	24/90					24/90					24/90			24/90				
		Rated Torque	Nm/(r/min)	480/1600-1800					480/1600-1800					670/1400-1700			670/1400-1700				
		Bore×Stroke	mm	108×132					108×132					108×125			108×125				
		Transmission Manufacture		CHINA					OKAMURA					CHINA			OKAMURA				
		Transmission Type		Powershift					Powershift					Powershift			Powershift				
	Gear Fwd/Rvs		2/1					2/1					2/1			2/1					
10.4	Fuel tank capacity	liter	165					165					165			165					

