



X Series Internal Combustion Tractor

with capacities of 2,000 to 3,000kg



Hangcha Europe GmbH
 Mariechen-Graulich-Straße 12a,
 65439 Flörsheim am Main,
 Germany

Administration
 Tel: 0049-61453769188
 E-mail: admin@hangchaeurope.com

Sales Management
 Thomas Dittrich
 Mob: 0049-16096548808
 E-mail: thomas.dittrich@hangchaeurope.com

Technical Support
 Thomas Pannke
 Mob: 0049-01759284213
 E-mail: thomas.pannke@hangchaeurope.com

www.hangchaeurope.com



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ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



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X Series Internal Combustion Tractor

Representing the design concept of safety, reliability, comfort and environmental protection, the X series 2-3 ton internal combustion tractor has been completely improved in safety, comfort and reliability through a new design and the performance of the vehicle has been greatly improved compared with the prior products.

Appearance

- / The body has a stylish profile formed by a combination of large arcs and streamlined curved surfaces. The low 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 16mm thick steel plates, and the welded body, all have high strength and are suitable for pushing operations.
- / The foolproof self-limited gear shifter (hydraulic transmission) 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.
- / A load-sensing proportional vacuum booster-equipped braking system, which is a double-chamber and double-pipeline all-wheel braking system with front and rear partial pressure, a large boost ratio and dynamically adjusted brake pressure, enables safe, stable and reliable braking. The large-capacity vacuum cylinder designed can even reliably assist braking when the vehicle is unpowered.

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.





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.
- / A synchronous steering system with a hand wheel automatic rebounding function, good stability and a steering force of less than 10N operates according to road conditions, and is especially applicable to long-distance roads such as airports.
- / An optional automatic gear shifting system (hydraulic transmission) is easier to operate.
- / The advanced low-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. to improve the driver's comfort and operation easiness.

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
- / Electric horn
- / Reverse buzzer
- / Main power switch
- / Speedometer
- / Front wiper
- / Reflective mirror
- / Rearview mirror
- / Large integral rubber pedal pads
- / Boarding handle
- / Synchronous steering system
- / Steering wheel adjusting device
- / Vacuum assistant braking system
- / Neutral gear safety switch

Maintainability

- / With the design of a wide-opened hood, when the hood is opened, the engine, fuel tank, water tank, oil pump, steering gear, brake master cylinder, etc. are all exposed to facilitate repair and maintenance.
- / The electrical controllers are arranged concentratedly and the fuses are installed separately to facilitate maintenance.
- / Three large check openings are provided. Open the easy-to-remove bottom plate and then the steering gear, vacuum cylinder, gearbox, fuel system, etc. are all exposed to facilitate maintenance.

Options

- / Police light
- / Rear work light
- / Speed limit alarm
- / Traction pin height scheme
- / Full closed cab
- / Awning
- / Front wiper
- / Air conditioner
- / Fuel tank cap locked
- / Front hook
- / Solid tire
- / User specified colors
- / Cup holder
- / Fire extinguisher
- / Tool box



X Series 2.0-3.0t Internal Combustion Tractor Specification

		HANGCHA GROUP CO.,LTD.																												
Distinguishing mark	1.1	Manufacturer																												
	1.2	Manufacturer's type designation																												
Towing Weight	1.3	Model	QCD20-XW66B	QCD25-XW66B	QCD30-XW66B	QCD20-XW43B	QCD25-XW43B	QCD20-XEH8	QCD25-XEH8	QCD30-XEH8	QCD20-XH8	QCD25-XH8	QCD30-XH8	QCD20-XH8B	QCD25-XH8B	QCD30-XH8B	QCD20-XH5B	QCD25-XH5B	QCD20-XG99B	QCD25-XG99B	QCD30-XG99B	QCD20-XEG99	QCD25-XEG99	QCD30-XEG99	QCD20-XG99	QCD25-XG99	QCD30-XG99			
	1.7	F(N)	20000	25000	30000	20000	25000	20000	25000	30000	20000	25000	30000	20000	25000	30000	20000	25000	20000	25000	30000	20000	25000	30000	20000	25000	30000			
	1.9	kg	26000	33000	36000	26000	33000	26000	33000	36000	26000	33000	36000	26000	33000	36000	26000	33000	26000	33000	36000	26000	33000	36000	26000	33000	36000			
Tyres, chassis weight	2.1	kg	39000	49000	54000	39000	49000	39000	49000	54000	39000	49000	54000	39000	49000	54000	39000	49000	39000	49000	54000	39000	49000	54000	39000	49000	54000			
	2.2	y (mm)	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700			
Dimensions	2.3	kg	3280	3560	4055	3280	3560	3330	3610	4080	3330	3610	4080	3330	3610	4080	3330	3610	3330	3610	4080	3330	3610	4080	3330	3610	4080			
	3.2	kg	1055/2225	1000/2560	1010/3040	1055/2225	1000/2560	1080/2250	1030/2680	1010/3070	1080/2250	1030/2680	1010/3070	1080/2250	1030/2680	1010/3070	1070/2260	1030/2580	1070/2260	1030/2580	1010/3070	1070/2260	1030/2580	1010/3070	1080/2250	1030/2680	1010/3070			
	3.3	kg	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR		
Performance data	3.6	b10 (mm)	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322			
	3.7	b11 (mm)	1280	1280	1260	1280	1280	1280	1280	1260	1280	1280	1260	1280	1280	1260	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280			
Combustion-engine	4.7	h6 (mm)	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890			
	4.12	h10 (mm)	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450			
	4.19	l1 (mm)	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080			
Performance data	4.21	b1 (mm)	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480			
	4.32	mz (mm)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120			
Performance data	4.35	Wa (mm)	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250			
	5.1	km/h	-/26	-/26	-/27	-/27	-/27	-/25	-/25	-/26	-/30	-/30	-/30	-/28	-/28	-/29	-/27	-/27	-/28	-/28	-/29	-/28.5	-/28.5	-/23	-/30	-/30	-/30			
Performance data	5.7	%	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30	-/30			
	5.10		Vacuum power brake		Vacuum power brake		Vacuum power brake		Vacuum power brake		Vacuum power brake		Vacuum power brake		Vacuum power brake															
Combustion-engine	7.1		Cummins/QSF2.8t3TC72		Cummins/QSF2.8t3NA49		XINCHAI/4E30		XINCHAI/4E30		XINCHAI/4E30		XINCHAI/4E30		Cummins/F2.8CS449		Cummins/F2.8CS449		Xinchai/4E30		Xinchai/4E30		Xinchai/4E30		Xinchai/4E30		Xinchai/4E30			
	7.2	kw	Euro IIIA		Euro IIIA		Euro V		Euro V		Euro V		Euro V		/		/		/		/		/		/		/			
	7.3	min	54		55.8		36.5		55.8		36		36		55.8		55.8		55.8		55.8		55.8		55.8		55.8			
	7.4	cm³	2400		2500		2600		2600		2600		2600		2500		2500		2600		2600		2600		2600		2600			
	7.10	V/AH	12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90	
	7.10	Nm/(r/min)	270/1440-1800		186/1500		268/1700-1900		268/1700-1900		268/1700-1900		268/1700-1900		186/1500		186/1500		268/1700-1900		268/1700-1900		268/1700-1900		268/1700-1900		268/1700-1900		268/1700-1900	
	7.10	mm	94×100		94×100		94×107		94×107		94×107		94×107		94×100		94×100		94×107		94×107		94×107		94×107		94×107		94×107	
	7.10		OKAMURA		OKAMURA		china		OKAMURA		china		OKAMURA		OKAMURA		OKAMURA		OKAMURA		OKAMURA		OKAMURA		OKAMURA		OKAMURA		OKAMURA	
	7.10		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	
	7.10		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1		2/1	
7.10	liter	80		80		80		80		80		80		80		80		80		80		80		80		80		80		

Remark: The maximum drawbar pull in the table are measured in dry concrete level off the road(Attachment coefficient of 0.8), the maximum drawbar will change as Attachment coefficient.

