



X SERIES



SHACMAN

X3000

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GLOBAL LEADER IN MANUFACTURING R & D STANDARDS

Largest commercial vehicle production facility in Asia: adopting global standards process, top productions process and equipment in China.

R & D system follows the world's 6D standards development process: ensuring the efficiency and rationalization of the development process.

Utilizing world class VMI mode of supply chain inventory management: Strengthening the source of management, ensuring the highest quality of the complete vehicles.

TPS manufacturing standards proposed in production: full implementation of lean manufacturing.

6 Sigma quality management systems: PDCA circulation improving the quality management system to achieve world quality.



Premiere Power Fuel Economy Ultimate Comfort Leading Intelligence

Inheriting 53 years' experience of SHACMAN in military vehicle technology, relying on the R&D capabilities of national enterprise technology center and post-doctoral scientific research workstation', SHACMAN X3000 series is a new product with outstanding power, distinguished vehicle economy, pleasant & comfortable driving, and excellent safety.

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Gold industry chain for global sharing of the parts

WEICHAI power: High horsepower engine combined with AVL and BOSCH for golden power. Engines are customized for SHACMAN vehicles with intelligent fuel saving system that can automatically adjust according to changing vehicle weight. Strong power with large output torque, lower engine speed at maximum torque, best power and explosive force in the industry.

Cummins power: Cummins and SHACMAN Group develop the ISM series fully electronically controlled engines with intelligent controls together with excellent power. Five key systems take the leading position in the world, the horsepower covers 385-440PS, with heavy torque, fuel economic, good product adaptability, strong power, perfect handling and low noise as well as first class reliability and durability, free of maintenance for 1 million kilometers.

FAST gearbox : Large center distance 10/12 gearbox with unique twin shaft structure. The gearbox features with advanced reliable low speed ratio and high grade ability, efficient transportation, and lower fuel consumption; especially suitable for long distance transportation and tough working condition.

Hande axle: Steyr drive axle, leading single reduction axle, heavy duty off-road military truck axle technology from German MAN, FAG low-drag maintenance-free bearing technology, and 500,000 km maintenance-free. It won't break down after working for 1.318 million times impulsive axial loads, lower fuel consumption and bearing capacity, economic speed is faster and fuel consumption lower.

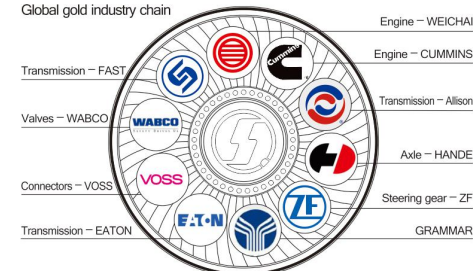


International supply system:

SHACMAN vehicles are equipped with parts from world renowned suppliers such as Williams pedal mechanism, German ZF steering gear, and USA Eaton clutch with more reliable performance, WABCO valve and air dryer system, German VOSS quick docking system with better vehicle air tightness and pressure capacity.



Global gold industry chain



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03

Military quality, Safe & Reliable

European standards, military technology: the complete vehicle technology derived from European platform, 50 years of military vehicle manufacturing ideals and reliable quality.

Complete windage innovation: brand new European body style and CFD optimization reducing the windage coefficient to 0.53, reducing the air resistance and fuel consumption.

Suspension system upgrade: more than 138 thousand times fatigue test (80000 times as specified in national standard) , life expectancy is 72% higher than the national requirement.

High strength lightweight frame: new structure widen single frame with German MAN technology (940mm for the front, 850mm for the rear), imported high strength alloy steel once stamping. New patent design "X" cast beams are adopted to significantly reduce the weight. The torsional strength exceeds the equivalent.

High strength lightweight suspension: European leading new model adopts fewer leaf spring at the front and rear. Disconnected lightweight balance shaft suspension is used to reduce vibration intensity effectively and combined lightweight with anti-fatigue.

High strength lightweight assemblies and components:

High strength steel plate is used for the cab. The internal and external decoration material thickness topology is optimized with lighter weight. The

aluminum flywheel shell is used for engine; Fast 12-speed lightweight aluminum alloy gearbox; Hande MAN technology 13 ton lightweight single reduction axles;

Aluminum alloy rims, aluminum alloy storage cylinder, new generation lightweight 90 saddle (lightweight corrugated board structure), high strength lightweight aluminum alloy fuel tank could provide high reliability and significantly reduce the weight.

Modular design of oil, gas and electric pipelines: Optimized fuel, brake and steering lines, brake response time is reduced by 20% while line protection capabilities are increased.

Intelligent electrical network architecture: From Volvo electric design system with higher reliability.

The dryer tank and water-oil separator two-stage dewater and oil removal protection ensure compressed air drying and cleaning, significantly improve the reliability of brake system, reduce pipeline freezing and congestion caused by security risks and improve traffic safety Sex.

After the overall system improvement of electrical components, X3000 has passed the rigorous test, with more than 12 million kilometers cumulative mileage.

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IN NOVEMBER 11,
THE LAUNCH CEREMONY OF
SHACMAN X6000 AT XI'AN.



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X3000 Series

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5 star safety standard, relax and enjoy your journey

Peace of mind is everyone's first concern when driving on the road, and that's why the X3000 series vehicles are equipped with active and passive safety features. The cab is manufactured with laser welding technology the vehicle body applies the world's top ABB robot and KUKA robot automatic welding, of which the accuracy is higher, the solder joint distribution is even, the anti-impact ability is stronger, passing European latest 'ECE-R29' crash test. The safety of cab is complimented by ABS+WEVB and world's most outstanding JACOBS engine braking systems, becoming a vehicle you can depend on.





New European design cabin adopts magnificent and vigorous style.



Color separation rearview mirror design with one key operation for easy adjustment of angle.



Openable side window improves the transparency and visibility for safer driving.



Integrated trapezoidal headlamp for wide range and good effect, fashionable design reflects the classical style.

European style cabin

The cab adopts European fluid sculpture technology with innovative interiors. The original multi-layer "suction" noise reduction technology reduces the noise decibel in the cab to 55 to 73 dB, creating an excellent mute environment.

New European design concept is adopted to provide magnificent and vigorous style;

No slot is designed outside with increased area of the radiator to improve inner flow field.

Equip with combination headlights, reaching a wide range of lighting with better effect; except the handsome appearance, it can ensure there are no dark areas from near to far. Meanwhile, daytime running lights make driving safer.

Electric heating integral rear-view mirror, openable side windows, the wide-angle lens and bottom-view mirror allow you to have an excellent vision and effectively improve the driving safety.

The external flow field is improved for the complete vehicle, reducing the friction and impact between the air and body surface. The aerodynamic noise is only 33dB at the driver's ears in high speed, better than the European average level.

New generation of four-point air suspension system and transverse shock absorber, driving ride comfort is better; body vibration frequency can meet European standards, comfort increased by 55%;



CAR LUXURIOUS EQUIPMENT

Luxury car interior, pure natural anion fiber fabrics, the width of the lower bed is 900 mm, the upper bed is 800mm, and the thickness is 100 mm. With the use of high quality and comfortable sponge material, the beds has good air permeability and more comfortable for sitting and lying down.

Annular instrument panel and German VDO multi-function digital liquid crystal instrument, layout reasonably. The multimedia displays driving information clearly to remind driver of safe, efficient driving and timely maintenance.

An integrated 450 four-direction adjustable steering wheel, multi-functional combination switch; More than 185,000 times fatigue test, one-click fast open function, more convenient control and more secure driving.

Onboard multimedia (radio, DVD, navigation, fleet management, lock, fuel anti-theft, battery anti-theft)

Grammy luxury airbag seat with adjustable cushion depth can better meet the needs of any height for any drivers, of which the human-machine operation is more convenient and reasonable.

Intelligent door control system, integrated power glass lifting, power mirrors, power heated rearview mirrors and central control door lock function, with remote control glass lifting function and remote control design for easy operation.

Electronic automatic thermostatic air conditioning can intelligently adjust temperature according to the temperature in the cab. Large air volume, fast cooling and warm defrosting are easy to operate.

650L combined large storage space, fully meet the storage needs of occupants.

The industry widest lower sleeper berth, the width is up to 900mm, the upper 800mm, thickness 100mm, besides, the application of high quality and comfortable sponge material, make it good ventilation, sit more comfortable and fully ensure your rest quality in long-distance transport.

New telescopic shaft control system, the election, shift force is decreased by 60% - 45, no off and jump with good sealing and easy operation.

"Four lock in one" humanized design, one key can unlock the ignition, door, fuel tank, urea box lock for easy operation.

Onboard inverter power supply to provide AC 220V and rated power 150W to meet the requirement of mobile phones and laptops

Provide a wealth of intelligent optional system: LDWS lane departure warning system, tire pressure monitoring system TPMS, intelligent wipers, fatigue monitoring system, blind zone monitoring +360 scanning.



LIGHTWEIGHT NEW OPERATION PLATFORM VEHICLE WEIGHT 8.7 TONS

High strength lightweight frame: new structure widen single frame with German MAN technology (940mm for the front, 850mm for the rear); imported high strength 6000 tons hydraulic pressed alloy steel. New patented "X" cast beams are adopted to significantly reduce the weight. The torsional strength exceeds similar vehicles

High strength lightweight suspension: European leading new model uses the fewer leaf spring designs at the front and rear. Lightweight disconnected balance shaft suspension is used to effectively reduce the vibration intensity, combining the features of lightweight and anti fatigue capability.

High strength lightweight assemblies and components:

High strength steel plate is used for the cab. The internal and external decoration material thickness topology is optimized with lighter weight. The aluminum flywheel shell is used for the engine; Fast 12-speed lightweight aluminum alloy gearbox; Hande 13 ton lightweight single-stage axle;

Aluminum alloy rims, aluminum alloy storage cylinder, new generation lightweight 90 saddle (lightweight corrugated board structure), high strength, high reliability and lightweight aluminum alloy fuel tank.



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SHACMAN X3000 TRAILER TRUCK



Transport type	Port logistics			Commodity transportation logistics(Compound transport)	
Logistics type	Container	Food, fruit, wood, household appliances and other department stores	Bulk Tank Transportation		
Distance(km)	≤500				
Road type	Paved roads				
Drive	4×2	6×2	6×4	6×4	6×4
Max weight(t)	≤ 50	≤ 55	≤ 55	≤ 90	≤ 120
Max speed	100	110	110	90	90
Loaded speed(km)	50 ~ 70	60 ~ 80	70 ~ 90	40 ~ 60	40 ~ 60
Vehicle model	SX41855T361	SX42555V323C	SX42555V324	SX42555U324	SX425853324
Engine	WP10.380E22	ISME420 30	WP12.430E201	WP12.400E201	WP13.550E501
Emission standard	Euro II	EuroII	Euro II	Euro II	Euro V
Displacement	9.726L	10.8L	11.596L	11.596L	12.54L
Rated Output	280kW	306kW	316kW	294kW	405kW
Max.torque	1600N·m	2010N·m	2000N·m	1800N·m	2550N·m
Transmission	12JSD200T-B	12JSD200T-B	12JSD200T-B	12JSD200T-B	12JSDX240T
Clutch	430	430	430	430	430
Frame	(940-850)×300(8)	(940-850)×300(8)	(940-850)×300(8)	850×300(8+5)	850×300(8+7)
Front axle	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 9.5T
Rear axle	13T MAN double reduction 4.266	13T MAN double reduction 3.364	13T MAN double reduction 3.364	13T MAN double reduction 4.266	16T MAN double reduction 4.266
Tire	12R22.5	12R22.5	12R22.5	12.00R20	12.00R20
Front Suspension	Multi leaf springs	Little leaf springs	Little leaf springs	Multi leaf springs	Multi leaf springs
Rear Suspension	Multi leaf springs	Little leaf springs	Little leaf springs	Multi leaf springs	Multi leaf springs
Fuel	Diesel	Diesel	Diesel	Diesel	Diesel
Capacity of the fuel tank	400L(Aluminum shell)	400L(Aluminum shell)	400L(Aluminum shell)	400L(Aluminum shell)	400L(Aluminum shell)
Battery	180Ah	180Ah	180Ah	180Ah	180Ah
Dimensions(L×W×H)	6150×2490×3170	6825×2490×3210	6825×2490×3210	6825×2490×3210	6825×2490×3210
Wheelbase	3600	3175+1400	3175+1400	3175+1400	3175+1400
The fifth wheel	50 type	Lightweight 90 type	Lightweight 90 type	90 type	strengthened 90 type
Max.gradeability(%)	20	20	20	20	20
Type	X3000, lengthened flat roof				
Cab					
	Equipment:	• Air main seat • Four point air suspension • Automatic air conditioning • Electric heated rearview mirror • Electric flip • Central locking (dual remote control) • Multi-function steering wheel			

SHACMAN X3000 DUMP TRUCK



Transport type		Complex transport		
Logistics type		Daily industrial products and food		
Distance(km)		≤ 300km		
Road type		Paved roads		
Drive		6×4	8×4	8×4
Max weight(t)		≤35	≤50	≤50
Max speed(km/h)		90	90	90
Loaded speed(km/h)		50~70	50~70	50~65
Vehicle model		SK1255SR434	SK13155U456	SK13155T456C
Engine		WP10.340E22	WP12.400E201	ISM385 30
Emission standard		Euro II	Euro II	EuroIII
Displacement		9.726L	11.596L	10.8L
Rated Output		250kW	294kW	283kW
Max. torque		1400N·m	1800N·m	1835N·m
Transmission		10JSD180	12JSD200T-B	12JSD200T-B
Clutch		430	430	430
Frame		850×300(8+5)	850×300(8+5)	850×300(8+5)
Front axle		MAN 7.5T	MAN 7.5T	MAN 7.5T
Rear axle		13T MAN double reduction 4.769	13T MAN double reduction 4.266	13T MAN double reduction 4.769
Tire		12.00R20	12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs	Multi leaf springs
Rear Suspension		Multi leaf springs	Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel	Diesel
Capacity of the fuel tank		400L(Aluminum shell)	400L(Aluminum shell)	400L(Aluminum shell)
Battery		180Ah	180Ah	180Ah
Dimensions(L×W×H)		9700×2490×3250	11600×2490×3250	11600×2490×3250
Trunk(L×W×H)		7500×2450×600	9500×2450×600	9500×2450×600
Wheelbase		4375+1400	1800+4575+1400	1800+4575+1400
After the suspension		2300	2300	2300
Max gradeability(%)		34	34	34
Cab	Type	X3000 , extended flat roof		
	Equipments	• Four point hydraulic suspension cab • Automatic air conditioning • Hydraulic main seat • Hydraulic suspension of cab • Electric window lifter • Electric heated rearview mirror • Central locking (double control lock)		

SHACMAN X3000 LORRY TRUCK



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Transport type	Mining engineering		Highway transport	
Logistics type	Ore / sand / gravel / coal			
Distance(km)	≤ 200			
Road type	Paved roads			
Drive	6×4	6×4	6×4	8×4
Max weight(t)	≤50	≤50	≤50	≤70
Max speed(km/h)	75	75	75	80
Loaded speed(km/h)	30-50	30-50	30-50	40-60
Vehicle model	SX32556T384	SX32556T384	SX32556T384C	SX33156V366
Engine	WP10.380E22	WP12.400E201	ISM11E4.385	WP12.430E201
Emission standard	Euro	Euro II	Euro IV	Euro II
Displacement	9.726L	11.596L	10.8L	11.596L
Rated Output	280kW	294kW	283kW	316kW
Max. torque	1600N·m	1800N·m	1835N·m	2000N·m
Transmission	10JSD180+QH50	ET-20109A+EZF750N	10JSD180+QH50	12JSD200T-B+QH50
Clutch	430	430	430	430
Frame	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)
Front axle	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T
Rear axle	16T MAN double reduction 5.92	16T MAN double reduction 5.262	16T MAN double reduction 5.262	16T MAN double reduction 4.769
Tire	12.00R20	12.00R20	12.00R20	12.00R20
Front Suspension	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Rear Suspension	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Fuel	Diesel	Diesel	Diesel	Diesel
Capacity of the fuel tank	400L	400L	400L	400L
Battery	180Ah	180Ah	180Ah	180Ah
Dimensions(L×W×H)	7950×2490×3250	7950×2490×3250	7950×2490×3250	9300×2490×3250
Trunk(L×W×H)	5600×2300×1500	5600×2300×1500	5600×2300×1500	7400×2300×1500
Wheelbase	3775+1400	3775+1400	3775+1400	1800+3575+1400
Max.gradeability(%)	30	30	30	25
Type				
X3000, mid-lengthened flat roof				
Cab	Type			
	Equipments	• Hydraulic main seat • Automatic air conditioning • Four point hydraulic suspension cab • Electric window lifter • Manual flip		

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SHACMAN X3000 CEMENT MIXER TRUCK



		Heavy haul transportation	
Transport type		Concrete	Bulk cement
Logistics type		≤50	≤300
Distance(km)		≤50	≤300
Road type		Paved roads	Paved road
Drive		6x4	8x4
Max weight(t)		≤35	≤40
Max speed(km/h)		70	85
Loaded speed(km/h)		40~60	40~60
Vehicle model		SX5255GJB6R384C	SX5315GSN6U456
Engine(km/h)		ISME345 30+PTO	WP12.400E201
Emission standard		EuroIII	Euro II
Displacement		10.8L	11.596L
Rated Output		254kW	394kW
Max. torque		1710N·m	1800N·m
Transmission		10JSD180	12JSD200T-B+QH70
Clutch		430	430
Frame		850×300(8+7)	850×300(8+7)
Front axle		MAN 9.5T	MAN 9.5T
Rear axle		16T MAN double reduction 5.262	16T MAN double reduction 5.262
Tire		12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs
Rear Suspension		Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel
Capacity of the fuel tank		400L(Aluminum shell)	400L(Aluminum shell)
Battery		180Ah	180Ah
Dimensions(L×W×H)		8000×2490×3250	11600×2490×3250
Volume(m³)		10	40
Wheelbase		3775+1400	1800+4575+1400
Max.gradeability(%)		34	27
Type		X3000, Medium-long flat roof	
Cab		- Hydraulic main seat - Four point hydraulic suspension cab - Automatic air conditioning - Hydraulic suspension of cab - Electric window lifter - Manual flip	
	Equipments		

SHACMAN X3000 OIL TANKER TRUCK



Transport type		Tanker	
Logistics type		Oil	
Distance(km)		≤300	
Road type		Paved roads	
Drive		6×4	8×4
Max weight(t)		≤40	
Max speed(km/h)		90	
Loaded speed(km/h)		50~ 65	
Vehicle model		SX5255GY6R434	SX5315GY6T456
Engine(km/h)		WP10.340E22	WP10.380E22
Emission standard		Euro II	Euro II
Displacement		9.726L	9.726L
Rated Output		250kW	280kW
Max. torque		1400N·m	1600N·m
Transmission		10JSD180+QH50	10JSD180+QH50
Clutch		430	430
Frame		850×300(8+5)	850×300(8+5)
Front axle		MAN 7.5T	MAN 7.5T
Rear axle		13T MAN double reduction 5.262	13T MAN double reduction 5.262
Tire		12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs
Rear Suspension		Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel
Capacity of the fuel tank		400L(Aluminum shell)	400L(Aluminum shell)
Battery		180Ah	180Ah
Dimensions(L×W×H)		9700×2490×3250	11600×2490×3250
Volume(m³)		25	35
Wheelbase		4375+1400	1800+4575+1400
Max gradeability(%)		34	27
Cab	Type	MAN X3000, Medium-long flat roof	
	Equipments	• Hydraulic main seat • Four point hydraulic suspension cab • Automatic air conditioning • Hydraulic suspension of cab • Electric window lifter • Manual flip	

SHACMAN X3000 SPRINKLER TRUCK



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Transport type	Sprinkler
Logistics type	Water
Distance(km)	≤300
Road type	Paved roads
Drive	6×4
Max weight(t)	≤50
Max speed(km/h)	90
Loaded speed(km/h)	40~ 60
Vehicle model	SX5255GSS6R434
Engine(km/h)	WP10.340E22
Emission standard	Euro II
Displacement	9.726L
Rated Output	250kW
Max. torque	1400N·m
Transmission	10JS1180-QH50
Clutch	430
Frame	850×300(8+5)
Front axle	MAN 7.5T
Rear axle	13T MAN double reduction 5.262
Tire	12.00R20
Front Suspension	Multi leaf springs
Rear Suspension	Multi leaf springs
Fuel	Diesel
Capacity of the fuel tank	400L(Aluminum shell)
Battery	180Ah
Dimensions(L×W×H)	9700×2490×3250
Volume(m³)	20
Wheelbase	4375+1400
Max.gradeability(%)	34
Type	MAN X3000, Medium-long flat roof
Cab	Equipments
	• Hydraulic main seat • Four point hydraulic suspension cab • Automatic air conditioning • Hydraulic suspension of cab • Electric window lifter • Manual flip

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SHACMAN X3000 COMPRESSION GARBAGE



Transport type		Compression garbage
Logistics type		Garbage
Distance(km)		≤50
Road type		Paved roads
Drive		6x4
Max weight(t)		≤40
Max speed(km/h)		80
Loaded speed(km/h)		40~60
Vehicle model		SX5255ZY56R434
Engine(km/h)		WP10.340E22
Emission standard		Euro II
Displacement		9.726L
Rated Output		250kW
Max. torque		1400N·m
Transmission		RTD-11509C+QH50
Clutch		430
Frame		850×300(8+5)
Front axle		MAN 7.5T
Rear axle		13T MAN double reduction 4.769
Tire		12.00R20
Front Suspension		Multi leaf springs
Rear Suspension		Multi leaf springs
Fuel		Diesel
Capacity of the fuel tank		400L(Aluminum shell)
Battery		180Ah
Dimensions(L×W×H)		9700×2490×3250
Volume(m³)		20
Wheelbase		4375+1400
Max gradeability(%)		34
Cab	Type	X3000, Medium-long flat roof
	Equipments	• Hydraulic main seat • Four point hydraulic suspension cab • Automatic air conditioning • Hydraulic suspension of cab • Electric window lifter • Manual flip • Top cover