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X SERIES

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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.

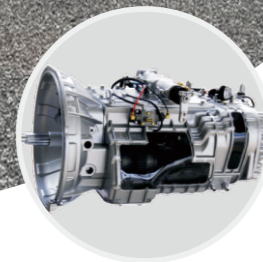
Premiere Power Fuel Economy Ultimate Comfort Leading Intelligence

Inheriting 50 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.

01

SHACMAN
X3000 Series





Gold industry chain for global sharing of the parts

WEICHAİ 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.

02

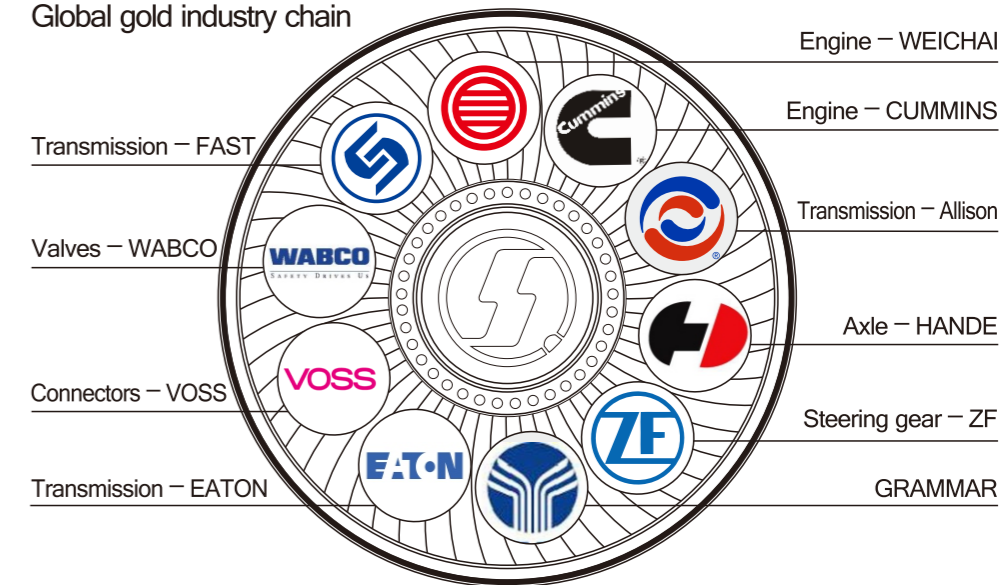
SHACMAN
X3000 Series

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



SHACMAN
X3000 Series

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.

04

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military vehicle participated in
Chinese people's Anti-Japanese
War and the world anti-fascist War
70 anniversary parade



It becomes the only heavy-duty truck enterprise that participates in the parade for 5 times

The Military Vehicles of Shaanxi Automobile have participated in the international military competition for 4 times.



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

The United States Visteon interior, environment-friendly sound-absorbing material , overall low carbon foam floor mats, and door and window dual sealing system, offer good heat preservation, insulation and noise reduction effect to ensure green intimate comfortable space.

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 sanning.



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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TRAILER TRUCK



Port logistics	Port logistics	ommodity transportation logistics (Compound transport)	
≤500		≤2000	
Paved roads			
4×2	6×4	6×4	6×4
≤50	≤70	≤70	≤70
100	90	100	100
55 ~ 75	50 ~ 65	55 ~ 75	55 ~ 75
SX41855T361	SX425653324	SX42585V324	SX42585W324C
WP12.380	WP13.550	WP12.420	ISM 440
Euro II	Euro IV	Euro V	Euro V
11.596L	12.54L	11.596L	10.8L
280kW	405kW	316kW	318kW
1500N·m	2550N·m	2060N·m	2080N·m
12JSD160T	12JSD240T	12JSD200T	12JSD200T
430	430	430	430
(940-850) ×300(8)	850×300(8+7)	(940-850) ×300(8)	(940-850) ×300(8)

MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T
13T MAN double reduction 4.266	13T MAN double reduction 4.266	13T MAN double reduction 4.266	13T MAN double reduction 4.266
12R22.5	12.00R20	12.00R20	12.00R20
Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Diesel	Diesel	Diesel	Diesel
400L (Aluminum shell)	400L (Aluminum shell)	400L (Aluminum shell)	400L (Aluminum shell)
165Ah	165Ah	165Ah	180Ah
6260×2490×3710	6860×2490×3710	6860×2490×3710	6860×2490×3710
3600	3175+1400	3175+1400	3175+1400
50 type	90 type	90 type	90 type
20/66	20/66	20/66	20/66
20	20	20	20
X3000, lengthened flat roof			
◆ Rear window ◆ Sun roof ◆ Four point air suspension ◆ Air cushioned drivers seat ◆ Radio with Mp3 player ◆ Automated air conditioning ◆ Central locking ◆ Aluminum alloy cylinder			
● Full vehicle WABCO valve			

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DUMP TRUCK



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Transport type	Mining engineering		
Logistics type	Ore / sand / gravel / coal		
Distance (km)	≤200		
Road type	Paved roads		
Drive	6×4	6×4	6×4
Max weight(t)	≤50	≤50	≤50
Max speed(km/h)	75	75	80
Loaded speed(km/h)	40 ~ 60	40 ~ 60	40 ~ 60
Vehicle model	SX32556T384	SX32556V384	SX32556T384C
Engine	WP12.380	WP12.420	ISM 385
Emission standard	Euro II	Euro II	Euro III
Displacement	11.596L	11.596L	10.8L
Rated Output	280kW	309kW	283kW
Max. torque	1500N·m	1750N·m	1835N·m
Transmission	10JSD160+QH50	10JSD180+QH50	12JSD180T+QH50
Clutch	430	430	430

Frame	850×300 (8+7)	850×300 (8+7)	850×300 (8+7)
Front axle	MAN 7.5T	MAN 7.5T	MAN 7.5T
Rear axle	16T MAN double reduction 5.262	16T MAN double reduction 5.262	16T MAN double reduction 5.262
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	380L	380L	380L
Battery	165Ah	165Ah	180Ah
Dimensions(L×W×H)	7950×2490×3270	7950×2490×3270	7950×2490×3270
Trunk(L×W×H)	5600×2300×1300	5600×2300×1300	5600×2300×1300
Wheelbase	3775+1400	3775+1400	3775+1400
Approach / Departure angle (°)	28/23	28/23	28/23
Max.gradeability(%)	30	30	30
Cab	Type	X3000 , mid-lengthened flat roof	
	Equipments	◆ Rear window ◆ Automated air conditioning ◆ Hydraulic suspension of cab ◆ Hydraulic driver seat with seatbelts ◆ One sleeping bed ◆ Hydraulic reversal ◆ Radio with MP3 player	
	Optional	● Air cushioned drivers seat ● Central locking	

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DUMP TRUCK



Transport type	Highway transport		
Logistics type	Ore / sand / gravel / coal		
Distance (km)	≤200		
Road type	Paved roads		
Drive	8×4	8×4	8×4
Max weight(t)	≤90	≤90	≤90
Max speed(km/h)	75	75	75
Loaded speed(km/h)	40 ~ 60	40 ~ 60	40 ~ 60
Vehicle model	SX33156T366	SX33156V366	SX33156T366C
Engine	WP12.380	WP12.420	ISM 385
Emission standard	Euro II	Euro II	Euro III
Displacement	11.596L	11.596L	10.8L
Rated Output	280kW	309kW	283kW
Max. torque	1500N·m	1750N·m	1835N·m
Transmission	10JSD160+QH50	10JSD180+QH50	12JSD180T+QH50
Clutch	430	430	430

Frame		850×300 (8+7)	850×300 (8+7)	850×300 (8+7)
Front axle		MAN 7.5T	MAN 7.5T	MAN 7.5T
Rear axle		16T MAN double reduction 5.262	16T MAN double reduction 5.262	16T MAN double reduction 5.262
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		380L	380L	380L
Battery		165Ah	165Ah	180Ah
Dimensions(L×W×H)		9300×2490×3210	9300×2490×3210	9300×2490×3210
Trunk(L×W×H)		7400×2300×1500	7400×2300×1500	7400×2300×1500
Wheelbase		1800+3575+1400	1800+3575+1400	1800+3575+1400
Approach / Departure angle (°)		28/55	28/55	28/55
Max.gradeability(%)		25	25	25
Cab	Type	X3000 , mid-lengthened flat roof		
	Equipments	◆ Rear window ◆ Automated air conditioning ◆ Hydraulic suspension of cab ◆ Hydraulic driver seat with seatbelts ◆ One sleeping bed ◆ Hydraulic reversal ◆ Radio with MP3 player		
	Optional	● Air cushioned drivers seat ● Central locking		

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LORRY 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
Crusing speed/Max speed(km/h)	90	90	90
Loaded speed(km/h)	50~65	50~65	50~65
Vehicle model	SX12555R434	SX13155T456	SX13155T456
Engine	WP10.340	WP12.380	WP12.380
Emission standard	Euro II	Euro II	Euro II
Displacement	9.726L	11.596L	11.596L
Rated Output	250kW	280kW	280kW
Max. torque	1350N·m	1500N·m	1500N·m
Transmission	10JSD140	12JSD180T	12JSD180T
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 4.769	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	165Ah	165Ah	180Ah
Dimensions(L×W×H)	9575×2490×3450	11425×2490×3450	11425×2490×3450
Trunk(L×W×H)	7500×2300×800	9500×2300×800	9500×2300×800
Wheelbase	4375+1400	1800+4575+1400	1800+4575+1400
After the suspension	2400	2300	2300
Approach / Departure angle (°)	18/12	18/12	18/12
Max.gradeability(%)	34	34	34
Cab	Type	X3000 , mid-lengthened flat roof	
	Equipments	◆ Rear window ◆ Manual sunroof ◆ Hydraulic driver seat with seatbelts ◆ Hydraulic suspension of cab ◆ Electronic air conditioning with temperature control ◆ Electric window ◆ Central locking ◆ Radio with MP3 player	
	Optional	● Air cushioned drivers seat ● Full vehicle WABCO valve ● 11.00R20	

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LORRY TRUCK



Transport type	Complex transport	
Logistics type	Wood, building materials, steel, ceramic tile, etc.	
Distance (km)	≤500km	
Road type	Paved roads	
Drive	8×4	8×4
Max weight(t)	≤60	≤60
Crusing speed/Max speed(km/h)	90	90
Loaded speed(km/h)	50~65	50~65
Vehicle model	SX13155T456	SX13155T456C
Engine	WP12.380	ISM 385
Emission standard	Euro II	EuroIII
Displacement	11.596L	10.8L
Rated Output	280kW	283kW
Max. torque	1500N·m	1710N·m
Transmission	12JSD180T	12JSD180T
Clutch	430	430
Frame	850×300 (8+7)	850×300 (8+7)

Front axle		MAN 7.5T	MAN 7.5T
Rear axle		16T MAN double reduction 4.769	16T MAN double reduction 4.769
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		165Ah	180Ah
Dimensions(L×W×H)		11425×2490×3710	11425×2490×3710
Trunk(L×W×H)		9500×2300×800	9500×2300×800
Wheelbase		1800+4575+1400	1800+4575+1400
After the suspension		2300	2300
Approach / Departure angle (°)		18/12	18/12
Max.gradeability(%)		34	34
Cab	Type	X3000 , high roof	
	Equipments	◆ Rear window ◆ Manual sunroof ◆ Hydraulic driver seat with seatbelts ◆ Hydraulic suspension of cab ◆ Electronic air conditioning with temperature control ◆ Electric window ◆ Radio with MP3 player	
	Optional	● Air cushioned drivers seat ● Full vehicle WABCO valve ● Central locking	

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CEMENT MIXER TRUCK



Transport type	Heavy haul transportation	
Logistics type	Concrete	Bulk cement
Distance(km)	≤50	≤300
Road type	Paved roads	Paved raod
Drive	6×4	8×4
Max weight(t)	≤35	≤50
Crusing speed/Max speed(km/h)	80	85
Road type	Paved roads	Paved roads
Loaded speed(km/h)	45 ~ 60	45 ~ 60
Vehicle model	SX5255GJB5R364C	SX5315GSN5V456
Engine(km/h)	ISM 345+PTO	WP12.420
Emission standard	EuroIII	Euro II
Displacement	11.596L	11.596L
Rated Output	254kW	309kW
Max. torque	1710N·m	1750N·m
Transmission	9JS180	12JSD180T+QH70
Clutch	430	430

Frame		850×300 (8+7)	850×300 (8+7)
Front axle		MAN 7.5T	MAN 7.5T
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	165Ah
Dimensions(L×W×H)		8275×2495×3774	11725×2495×3774
Volume (m³)		9	40
Wheelbase		3575+1400	1800+4575+1400
Approach / Departure angle (°)		20/18	20/12
Max.gradeability(%)		34	27
Cab	Type	X3000, lengthened flat roof	
	Equipments	◆ Rear window ◆ Manual sunroof ◆ Hydraulic driver seat with seatbelts ◆ Hydraulic suspension of cab ◆ Electronic air conditioning with temperature control ◆ Electric window ◆ Radio with MP3 player	
	Optional	● Air cushioned drivers seat ● Central locking	

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OIL TANKER TRUCK



Transport type	Tanker
Logistics type	Oil
Distance(km)	≤300
Road type	Paved roads
Drive	6×4
Max weight(t)	≤40
Crusing speed/Max speed(km/h)	90
Road type	Paved roads
Loaded speed(km/h)	50 ~ 70
Vehicle model	SX5255GYY5R434
Engine(km/h)	WP10.340
Emission standard	Euro II
Displacement	9.726L
Rated Output	250kW
Max. torque	1350N·m
Transmission	10JSD140+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		165Ah
Dimensions(L×W×H)		9275×2495×3774
Volume (m³)		25
Wheelbase		4375+1400
Approach / Departure angle (°)		20/18
Max.gradeability(%)		34
Cab	Type	X3000, lengthened flat roof
	Equipments	<ul style="list-style-type: none">◆ Rear window◆ Manual sunroof◆ Hydraulic driver seat with seatbelts◆ Hydraulic suspension of cab◆ Electronic air conditioning with temperature control◆ Electric window◆ Radio with MP3 player
	Optional	<ul style="list-style-type: none">● Air cushioned drivers seat● Central locking