



F

SHACMAN

F SERIES

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SERIES

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SUCCESS WITH QUALITY

SHACMAN

X3000 Series

Trailer truck



Lorry truck



H3000 Series

Trailer truck



Lorry truck



L3000 Series

Lorry truck



Lorry truck



F3000 Series

Trailer truck



Lorry truck



Dump truck



Mixers truck



Dump truck



Mixers truck



Lorry truck



Lorry truck



Dump truck



Mixers truck



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Shaanxi Automobile Holding Group Co., Ltd (SAHG for short), headquartered in Xi'an city, Shaanxi province, it is the largest manufacturing enterprise in the northwest of China, was founded in 1968 formerly known as Shaanxi automobile manufacturer and now has more than 30000 employees with total assets of 72 billion yuan, ranking 276th in China's top 500 enterprises and 20th in top 500 enterprises of machinery in China. It ranks 276th among China's top 500 companies. With a brand value of 29.469 billion yuan, it is listed in the "China's 500 Most Valuable Brands". The group is composed of Shaanxi Automobile Group Co., Ltd, Shaanxi Automobile Industrial Co., Ltd, Kinglong Automobile (Xi'an) Co., Ltd and more than 100 subsidiaries. Shaanxi Automobile Holding Group Co., Ltd is mainly engaged in heavy military off-road vehicles, heavy duty truck, medium and light truck, large and medium passenger vehicle, minivan, heavy & micro axle and development, production, sale and related automotive service trade and financial business of Cummins engine as well as components.

Shaanxi Automobile Holding Group Co., Ltd is the main R & D and production base of heavy duty military vehicles in China. In the past 50 years, it has successfully completed the first generation and second generation heavy duty off-road vehicle development and production tasks, and successfully won the third generation heavy duty military off-road vehicle development project. successively participated in military review of 35th anniversary, the 50th anniversary, the 60th anniversary "and the 70th anniversary" of the National Day as well as Chinese People's Anti-Japanese War and the 70th + anniversary of the world antifascist war victory, Shaanxi is the only heavy duty military truck manufacturer which participated in military parade six times.

Shaanxi Automobile Holding Group Co., Ltd seized the "One Belt One Road" strategic opportunities and fully integrated the high quality resources of the international market, cooperated with international outstanding enterprises, vigorously promote the enterprises the level of globalization and the internationalization of the industrial system. Local production has been achieved in Kenya, Nigeria, Kazakhstan, Malaysia and other countries, the products have been exported to Europe, Africa, Asia and other more than 100 countries and regions, and the export volume are among the forefront of the industry for many years.

ENTERPRISE INTRODUCTION

F
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Global leader in manufacturing R & D standards

■ Largest commercial vehicle production facility in Asia:

Adopts global standard process, first-class production process and equipment in China

■ R & D system to follow the world's 6D standards development process:

To ensure the efficiency and rationalization of the development process

■ Utilizes world class VMI model of supply chain inventory management:

Strengthen the source of management, ensure the highest quality of vehicles.

■ Production and manufacturing promotes TPS manufacturing standards:

Full implementation of lean manufacturing

■ 6Sigma quality management system:

PDCA circulation improving quality management system

1790 patents of technologies, more than 150 clean energy and new energy proprietary technology.



GLOBAL PARTS
SHARING



WEICHAI POWER



The project "Key Technologies and Applications of Power Assembly for Heavy Commercial Vehicles" won the first prize of National Award for Science and Technology Progress Award.

Weichai Power is the Largest powertrain group in China and the largest high speed & powered engine manufacturers in the world. It takes more than one-third market share in China and the quantity of the world exceeds 3.5 million units. Technology leader in industry, with the only State Key Laboratory of internal combustion reliability, modern ‘ state-level enterprise technology center ’ and the first-class product experimental center in China . Weichai four-valve engine has strong power with large output torque, at lower engine speed. It is the best power and explosive force in the industry.

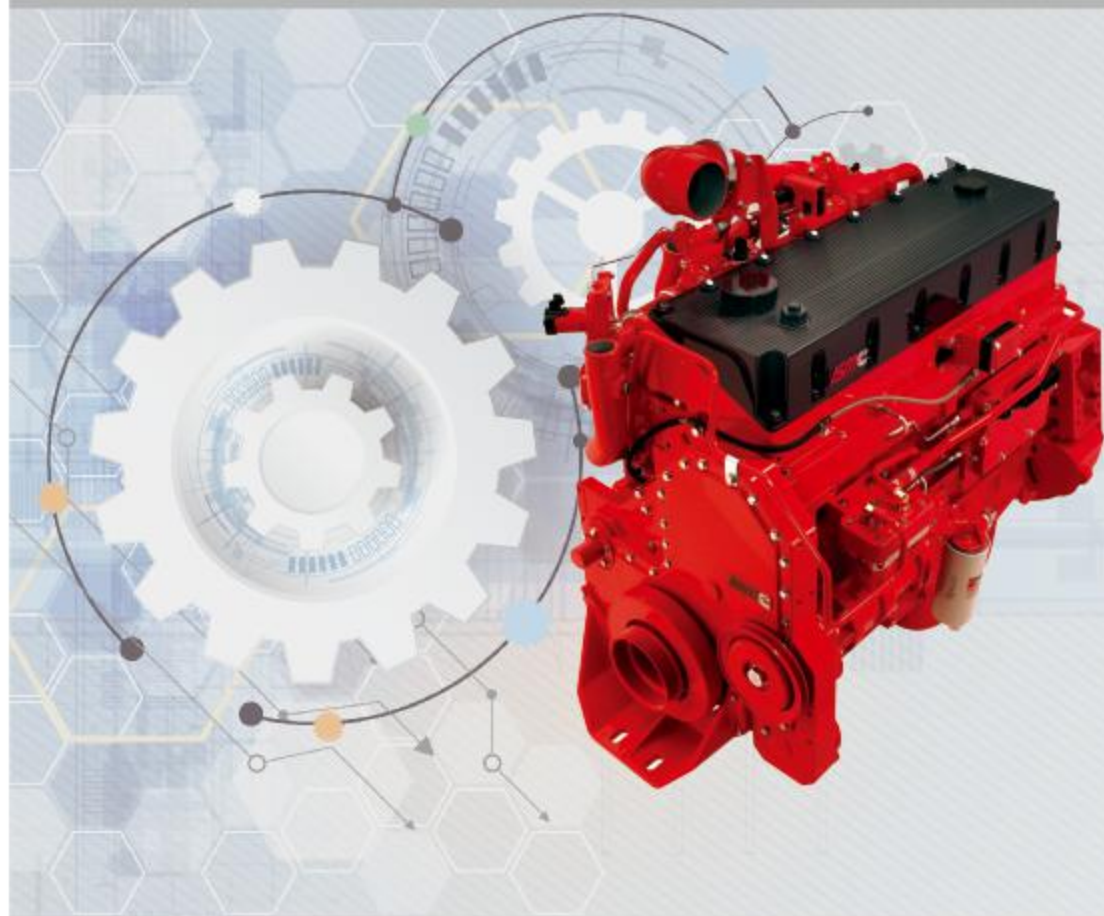
- Weichai power:** High horsepower engine combined with AVL and BOSCH building the golden power. Engines are custom made for SHACMAN vehicles with intelligent energy saving system that can automatically adjust to vehicle weight.
- Fuel efficiency:** Utilizes BOSCH advanced high pressure common rail technology reducing fuel consumption to as low as 189g/kw.h and low speed matching small rear axle. King of high speed transport.
- High performance:** High displacement with higher horsepower and more low-end torque. Better acceleration and greater reserve torque. Electromagnetic clutch fan, fuel system protector and intelligent fuel switch.
- High reliability:** Weichai Landking WP engine is the result of collaborative and synchronous development with the world's best auto parts suppliers, fully integrated with the world's cutting-edge technology to build the engine of the golden supply chain.
- High comfort:** Low speed engine not only improve the economy and prolong life expectancy, but at the same time also reduces engine noise, ensuring better driving environment.
- Advanced configuration:** Equipped with high efficiency electromagnetic clutch fan, fuel system protector and intelligent fuel switch.

Diesel power product profile of weichai truck (part)						
Product series	Model	Emission Standard	(kW/rpm)	(N.m)	(/rpm)	Technology roadmap
WP10E22	WP10.310E22	EuroIII	220/2200	1240	1200~1600	Mechanical pump + built-in EGR
	WP10.340E22	EuroIII	250/2200	1350	1200~1600	Mechanical pump + built-in EGR
	WP10.380E22	Euro III	280/2200	1600	1200~1600	Mechanical pump + built-in EGR
WP10	WP10.336	EuroIII	247/2200	1250	1200~1600	Electronic controlled high pressure common rail
WP10E40	WP10.270E40	EuroIV	199/1900	1270	1200~1500	Electronic controlled high pressure common rail + SCR
	WP10.290E40	EuroV	213/1900	1340	1200~1500	Electronic controlled high pressure common rail + SCR
	WP10.310E40	EuroIV	228/1900	1420	1200~1500	Electronic controlled high pressure common rail + SCR
	WP10.336E40	EuroV	247/1900	1500	1200~1500	Electronic controlled high pressure common rail + SCR
WP10E43	WP10.336E43	EuroIV	247/1900	1500	1200~1500	Electronic controlled high pressure common rail + SCR
WP12N	WP12.375N	EuroIII	276/1900	1800	1000~1400	Electronic controlled high pressure common rail
	WP12.430N	Euro III	316/1900	2060	1000~1400	Electronic controlled high pressure common rail
	WP12.460N	EuroIII	338/1900	2110	1000~1400	Electronic controlled high pressure common rail
WP12E201	Wp12.400E201	EuroIII	280/2200	1500	1300~1400	Mechanical pump + built-in EGR
	WP12.430E201	EuroIII	309/2200	1750	1300~1400	Mechanical pump + built-in EGR
WP12E40	WP12.336E40	EuroV	247/1900	1615	1000~1400	Electronic controlled high pressure common rail + SCR
	WP12.375E40	EuroV	276/1900	1800	1000~1400	Electronic controlled high pressure common rail + SCR
	WP12.400E40	EuroIV	294/1900	1920	1000~1400	Electronic controlled high pressure common rail + SCR
	WP12.430E40	EuroV	316/1900	2060	1000~1400	Electronic controlled high pressure common rail + SCR
	WP12.460E40	EuroV	338/1900	2110	1000~1400	Electronic controlled high pressure common rail + SCR
WP13	WP13.530E30	EuroIII	390/2100	2220	1200~1500	Electronic controlled high pressure common rail
	WP13.550E40	EuroIV	405/2100	2300	1200~1500	Electronic controlled high pressure common rail + SCR
	WP13.550E501	EuroV	405/1900	2550	1000~1400	Electronic controlled high pressure common rail + SCR

Cummins Power

- Cummins power: Supplies SHACMAN vehicles with custom built ISM series fully electronically controlled engines with intelligent controls, excellent power, five key steps in the global system and 1 million kilometers major maintenance free.
- Cummins ISM series engines integrates the five key subsystem: Intake air handling system, combustion optimization system, electronic control system, fuel system, filtering system and post processing system.
- Power ranges from 308 to 440 horsepower, maximum torque is rated at 2100 Nm and maximum rotation is rated at 2130 rpm.
- Great low speed torque, fast acceleration, great climbing ability.
- Weighs only 940 kilogram, great power to weight ratio.
- New oil sump design reducing noise levels. Electronically controlled high pressure fuel system allowing high pressure atomization of diesel oil in cylinders and precise injection.

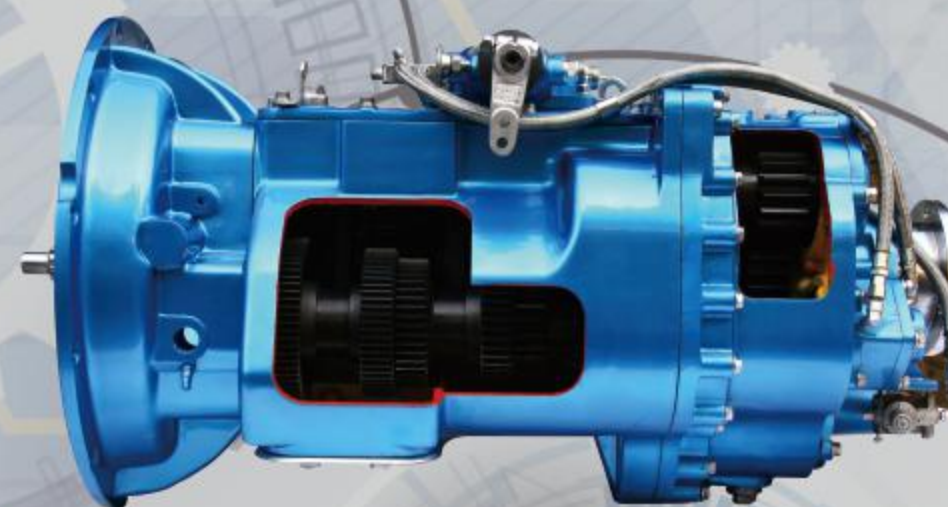
- Electronic control system includes cruise control, vehicle speed control and over 100 other functions. The system makes sure the engine is in the best shape, features highly integrated module design and uses 30% less parts; greatly reducing failure rate.
- Strong interoperability of spare parts, serialization of a high degree, easy repairs.
- Ultra long filter and oil change interval, significantly reduce the cost of daily maintenance. The filtration system utilizes Cummins Fleetguard 1003 FS filter. Its 10 micron Stratapore filter technology is designed specifically for the protection of parts with filtering efficiency is high as 98.7%.
- Intake and exhaust system uses Cummings HX55 Holset turbocharger. The waste gas bypass valve can be automatically adjusted according to the need of air flow, achieving four levels of control within the revrange and is best suitable for high power rated engine.
- The use of the world's most widely used and the most mature heavy-duty diesel engine braking system ---- JACOBS engine brake system. The system can absorb 85% of the vehicle's inertia force with maximum braking capacity of up to 326 horsepower. Drivers are able to go downhill in a higher gear and thus increasing efficiency. The engine is not supplied with fuel while going downhill, even further increasing fuel efficiency.



Cummins product profile (part)							
Product series	Model	Emission Standard	(kW/PS)	(rpm)	(N.m)	(rpm)	Technology roadmap
ISM E 30	ISME345 30	EuroIII	254(345)	1900	1710	1200	Electrically controlled pump nozzle
	ISME385 30	EuroIII	283(385)	1900	1835	1200	Electrically controlled pump nozzle
	ISME420 30	EuroIII	306(420)	1900	2010	1200	Electrically controlled pump nozzle
ISM11E4	ISM11E4 345	EuroIV	250(345)	1900	1699	1200	Electrically controlled pump nozzle
	ISM11E4 385	EuroIV	280(385)	1900	1825	1200	Electrically controlled pump nozzle
	ISM11E4 420	EuroIV	301(420)	1900	2000	1200	Electrically controlled pump nozzle
	ISM11E4 440	EuroIV	280(385)	1900	1825	1200	Electrically controlled pump nozzle
ISM11E5	ISM11E5 345	EuroV	250(345)	1900	1699	1200	Electrically controlled pump nozzle
	ISM11E5 385	EuroV	280(385)	1900	1825	1200	Electrically controlled pump nozzle
	ISM11E5 420	EuroV	301(420)	1900	2000	1200	Electrically controlled pump nozzle
	ISM11E5 440	EuroV	318(420)	1900	2080	1200	Electrically controlled pump nozzle



Fast



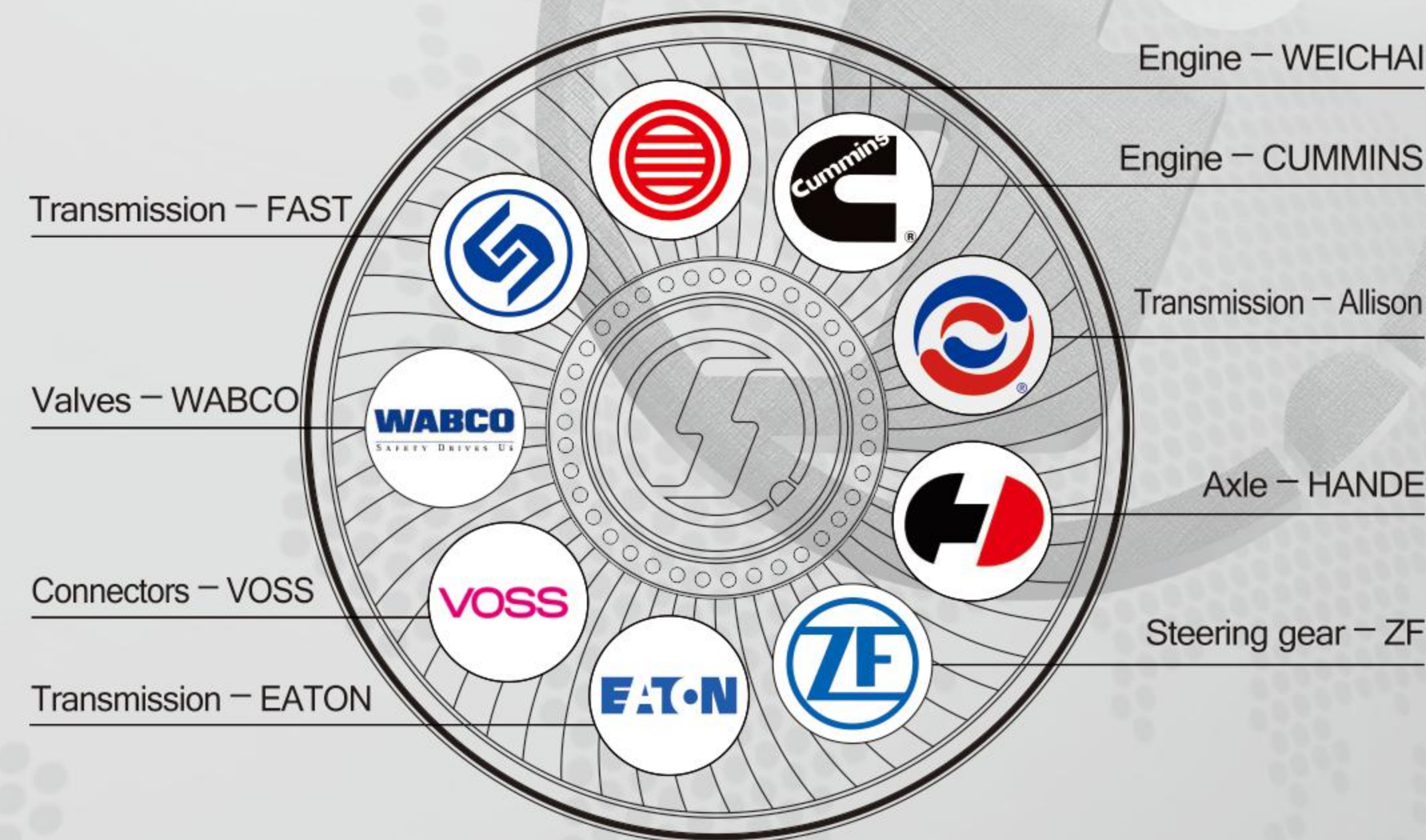
- FAST is the largest manufacturer and distributors of heavy-duty transmission in the world, whose annual output rank industry first in China for 15 years and rank first in the world for 12 years, and the quantity of the world exceeds 7 million units.

Model	Torque	Gear ratio															
		1	2	3	4	5	6	7	8	9	10	11	12	16	R1	R2	
9JS119	1190	12.11	8.08	5.93	4.22	3.36	2.41	1.76	1.32	1					12.66		
9JS135	1350	12.11	8.08	5.93	4.22	3.36	2.41	1.76	1.32	1					12.66		
RTD11509C	1490	12.44	8.31	3.09	4.54	3.36	2.47	1.81	1.35	1					13.02		
10JSD120/140/160/180	1200/1400/1600/1800	14.86	11.02	8.07	6.02	4.46	3.33	2.47	1.81	1.35	1				14.24		
10JSD140T/160T/180T	1400-1800	14.96	11.16	8.28	6.09	4.46	3.35	2.5	1.86	1.36	1				15.07		
10JSD140TA/160TA/180TA	1400-1800	10.93	8.17	6.07	4.46	3.27	2.45	1.83	1.36	1	0.73				11.05		
12JSD160T /180T/200T/240T	1600/1800	15.53	12.08	9.39	7.33	5.73	4.46	3.48	2.71	2.1	1.64	1.28	1		14.86	3.33	
12JZSD200A	2000	12.1	9.41	7.31	5.71	4.46	3.48	2.71	2.11	1.64	1.28	1	0.78		11.56		
16JSD180T/200T/240T	1800-2400	17.04	14.03	11.66	9.6	8.06	6.64	5.53	4.55	3.74	3.08	2.56	2.11	1	16.3	13.42	



Gear ratios used on axles												
MAN	13T single reduction	3.083	3.364	3.7	4.111	4.625	5.286	6.167				
	13T double reduction	3.866	4.266	4.769	5.262	5.92	6.733	7.63	8.88			
	16T	3.712	3.866	4.266	4.578	4.769	5.262	5.92	6.733	7.63	8.88	10.66

- Hande axle: Advanced axles utilizing imported German MAN single stage reduction axle technology as well as heavy duty off-road military truck axle technology, Super load carrying capacity tested over 1.3 million times without failing.
- Economical: Hyperbolic gear structure, axle assembly gear ratios of 3.336 3.7 4.111 4.625 with high transmission efficiency, suitable for the development trend of low speed and high horsepower engines. Transmission efficiency 10% higher than competing domestic products with 10%-17% less fuel consumption.
- High reliability: Optimized design and finite element analysis of axle shell guaranteed the bearing capacity of the shell. Robot welding is used in the construction of the axle shell. Spindle nose utilizes friction welding technology, increasing loading capacity and eliminates impact load deformation.
- Safety: Brake shoe with widened variable cross section allows better heat dissipation, breaking power and improves the efficiency of friction plates.
- Powerful: Primary and secondary gear single stage reduction, high transmission efficiency, 50000Nm high torque output ensuring easy operation of the vehicle.
- High usability: Utilizes full wheel side oil lubrication, great heat dissipation, non disassembly maintenance feature, equipped with external brake drum and allows the changing of the friction plate without removing the wheel.
- Lightweight: Axle shell cross section 150X135, Steel plate thickness is 14mm.



INTERNATIONAL SUPPLY SYSTEM

SHACMAN vehicles are equipped with parts from world renown suppliers such as Williams pedal mechanism, German ZF steering gear, Eaton clutch, WABCO body and air dryer system, German VOSS quick docking system, allowing more reliable and stable vehicle performance.



Shaanxi Automobile is the only truck manufacturer that has attended the National Day Parade for 6 times



35th National Day Parade



50th National Day Parade



60th National Day Parade



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



The parade for the 90th anniversary of the founding of the Chinese People's Liberation Army.



From year 2015 to 2018, SHACMAN military vehicles have participated in the international military competition held in Russia and got many awards.

1984 1999 2009 2015 2017 2019

MILITARY QUALITY SAFE AND DEPENDABLE

Shaanxi Automobile is the only truck manufacturer that has attended the National Day Parade for 6 times. From year 2015 to 2018, Shaanxi Automobile military vehicles have participated in the international military competition held in Russia and got many awards.

A peace of mind is everyone's first concern when out on the road and that's why the F series vehicles are equipped with active and passive safety features designed to give you a safe and relaxed journey. The vehicle cab uses original MAN frame structure design with local strengthening design. The cabin is manufactured with laser welding technology and passes Europe's latest 'ECE-R29' crash test. The safety of the cab is complimented by ABS+WEVB and the world's most outstanding JACOBS engine braking system.



STAR SAFETY STANDARDS RELAX AND ENJOY YOUR DRIVE

European standard, military technology:

Vehicle technology derived from European MAN platform, 50 years of military vehicle manufacturing ideals.

Suspension system upgrade:

Fatigue test number reached more than 138 thousand times, life expectancy is 72% higher than the national requirement.

Multifunction steering wheel:

Endured fatigue test more than 185 thousand times, one button quick function feature, easy operation allowing driver to focus better on the road.

Intelligent door control system:

Integrated electric window lifter, electric heating mirror and central control door lock mechanism, working well after 50 thousand endurance tests.

Eagle type halogen headlight:

Increased light distance by 25 meters, passed through 60H sweep frequency vibration endurance test and reliability is 22.4% higher than competing models.

Modular design of oil, gas and electric pipelines:

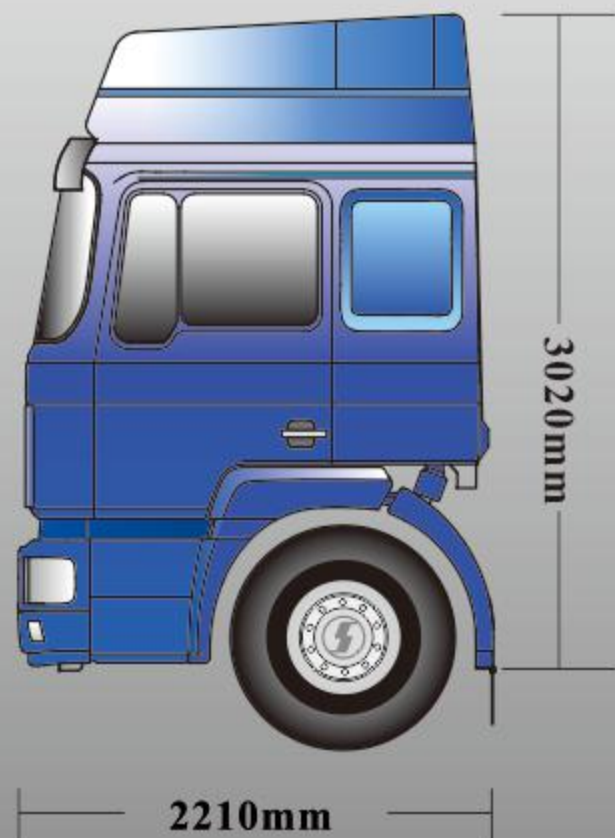
Optimized fuel, breaking and turning pipe, braking response time is shortened by 20% while increases pipeline protection capabilities.

Intelligent electrical network architecture:

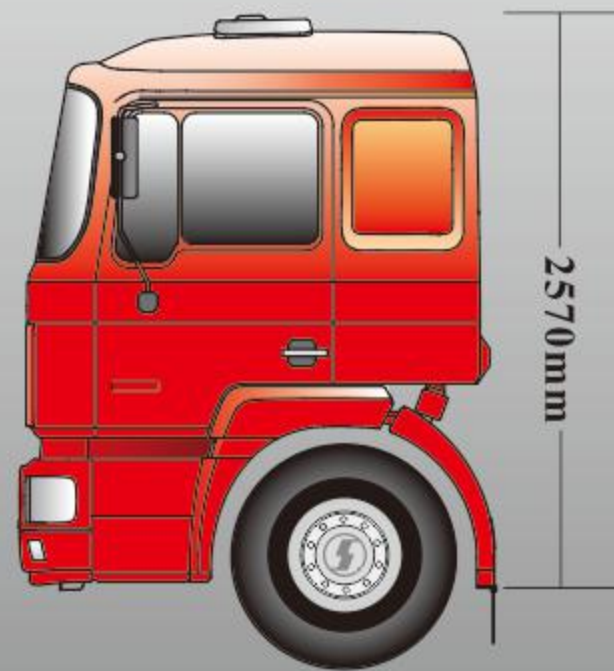
From Volvo electric design system, higher reliability.

STYLISH COMFORTABLE INTELLIGENT

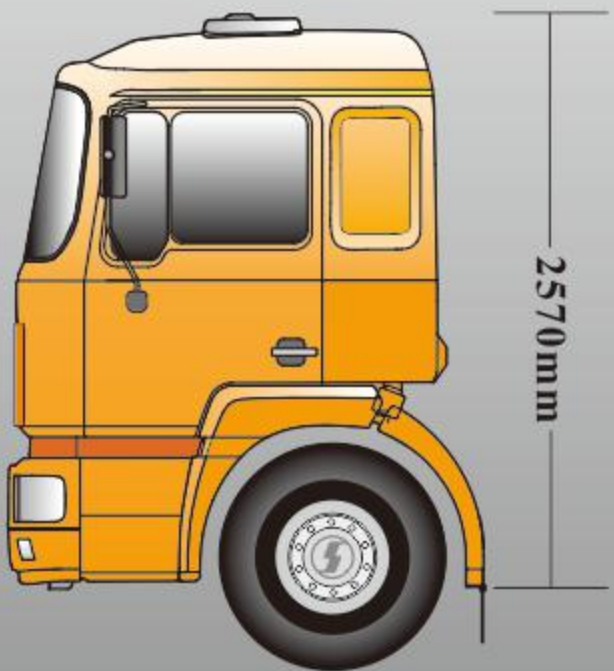
- European MAN technology cab adopts German advanced welding technology. The world's top ABB robot and KUKA robot automatic welding allow higher weld strength of the cab. The vehicle body adopts imported international sedan electrophoretic multi-layer paint technology, therefore, the paint effect, corrosion resistance and durability is better than similar products in industry.
- Brand new body design achieves the lowest drag coefficient in the industry.
- Advanced noise isolation technology and strengthened cab body structure; Application of polyester material can reduce cab noise greatly and increase insulation qualities.
- Four point air suspension system, double layered sealed cab doors and electric controlled automatic constant temperature air conditioning increases driving comfort. Independent heating system can insure driving comfort in cold climates.



Lengthened high roof cabin



Lengthened flat roof cabin



Mid-lengthened flat roof cabin

Star Ocean Blue (metallic) Wealth Orange (metallic) Space Blue (metallic) Flame Red (metallic) Duke Yellow (metallic) Pearl White (regular) Army green (regular)



EUROPEAN STYLE II
CABIN

LUXURIOUSLY EQUIPPED

SHACMAN

1

American VISTEON technology interior adopts 100% natural negative ion fiber fabric; new material sleeper berth can promote rest quality. Timed air conditioning external cycle and activated carbon air filter can increase cab air quality.

2

Sedan dashboard with new multi-functional VDO instruments includes controls AC, MP3 and radio.



3

Driver and passenger side are both equipped with easy-operating and adjustable sunshades.

4

Integrated structure floor mat is equipped with protective strips, great insulation and sealing, easy to clean and with good noise reduction properties.



Telescopic shaft shift system is fixed shift lever base for increasing cab sealing properties and engine noise reduction.

5



Advanced SIS suspension system is light weight, maintenance free and with good load balance. New type steel plate spring suspension is equipped with high quality shock absorber and front & rear axle stabilizer bar. The new type of balanced suspension allows better load capacity and durability.



6

Four point air suspended auto adjusting seat design according to man-machine curve, providing its occupants with superior quality and comfort. The seat is effective in reducing driver fatigue which ensures the driver have a safe and comfortable journey.

7

Trailer truck

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F3000 SERIES

Transport type		Port logistics				Bulk tank transport					Full drive tractor
Logistics type		Container				Bulk cement					Daily provisions
Distance(km)		≤500				≤500					≤500
Road type		Paved roads				Paved roads					Paved roads
Drive		4×2	4×2	4×2	4×2	6×4	6×4	6×4	6×4	6×4	6×6
Max weight(t)		≤50	≤50	≤50	≤50	≤70	≤70	≤70	90~120	90~120	≤65
Max speed		90	90	90	90	95	90	90	90	90	75
Loaded speed(km)		50~70	50~70	50~75	50~75	45~60	45~60	45~60	45~60	45~60	40~55
Vehicle model		SX4185JT361	SX4185JU361	SX4185JT361C	SX4188JW361C	SX4255JT324	SX4255JV324	SX4255JT324C	SX4255JV324	SX4255JV324C	SX4255JU385
Engine		WP10.380E22	WP12.400E201	ISME385 30	ISM11E5 440	WP10.380E22	WP12.430E201	ISME385 30	WP12.420E201	ISME420 30	WP12.400E201
Emission standard		Euro II	Euro II	Euro III	Euro V	Euro II	Euro II	Euro III	Euro II	Euro III	Euro II
Displacement		9.726L	11.596L	10.8L	10.8L	9.726L	11.596L	10.8L	11.596L	10.8L	11.596L
Rated Output		280kW	294kW	283kW	318kW	280kW	316kW	283kW	294kW	309kW	294kW
Max.torque		1600N·m	1800N·m	18350N·m	2080N·m	1600N·m	2000N·m	1835N·m	1800N·m	2000N·m	1800N·m
Transmission		12JSD200T-B	12JSD200T-B	12JSD200T	12JSD200T-B	12JSD200T-B	12JSD200T-B	12JSD180T-B	12JSD200T-B	12JSD200T	10JSD180
Clutch		430	430	430	430	430	430	430	430	430	430
Frame		(940-850)×300(single 8)	(940-850)×300(single 8)	(940-850)×300(single 8)	(940-850)×300(single 8)	850×300(8+5)	850×300(8+5)	850×300(8+5)	850×300(8+7)	850×300(8+7)	850×300(8+7)
Front axle		MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 9.5T	MAN 9.5T	MAN 9T
Rear axle		13T MAN 4.266	13T MAN3.866	13T MAN3.866	13T MAN3.866	13T MAN 4.769	13T MAN 4.266	13T MAN 4.266	16T MAN 4.266	16T MAN 4.266	16T MAN 4.266
Tire		12R22.5	12R22.5	12R22.5	12R22.5	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	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	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Capacity of the fuel tank		400L	400L	400L	400L	400L	400L	400L	400L	400L	400L
Battery		165Ah	165Ah	180Ah	180Ah	165Ah	165Ah	180Ah	165Ah	180Ah	165Ah
Dimensions(L×W×H)		6130×2490×3210	6130×2490×3210	6130×2490×3210	6130×2490×3210	6860×2490×3710	6860×2490×3710	6860×2490×3710	6860×2490×3710	6860×2490×3710	7560×2490×3710
Wheelbase		3600	3600	3600	3600	3175+1400	3175+1400	3175+1400	3175+1400	3175+1400	3775+1400
The fifth wheel		50 type	50 type	50 type	50 type	90 type	90 type	90 type	90 type	90 type	90 type
Max.gradeability(%)		36	36	37	37	25	25	28	20	25	21
Cab	Type	F3000, lengthened flat roof									
	Equipments	◆ Four point air suspension ◆ Air cushioned drivers seat ◆ Automatic air conditioning									◆ Manual window lifter ◆ Hydraulic suspension of cab ◆ Hydraulic main seat
	Optional	● Safety fence for water tank ● Roof air deflector ● Single refrigeration air conditioning ● Electric flip									● Airbag main seat ● Four point air suspension ● Automatic air conditioning ● Electric flip ● Electric window lifter

Dump truck

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F3000 SERIES

Transport type		Mining engineering			Highway transport					Full drive dump truck	
Logistics type		Ore / sand / gravel / coal			Ore / sand / gravel / coal					Ore / sand / gravel / coal	
Distance(km)		≤200			≤200					≤200	
Road type		Offroad			Paved roads					Offroad	
Drive		6×4	6×4	6×4	8×4	8×4	8×4	8×4	8×4	8×4	8×4
Max weight(t)		≤50	≤50	≤50	≤90	≤90	≤90	≤ 90	≤90	≤90	≤90
Max speed(km/h)		75	75	80	85	85	80	80	80	80	85
Loaded speed(km/h)		40~60	40~60	40~60	40~60	40~60	40~60	40~60	40~60	40~60	40~60
Vehicle model		SX3255DR354	SX3255DT384	SX3255DT384C	SX3315DR366	SX3315DT366	SX3315DV366	SX3316DT366C	SX3315DT366	SX3315DT366C	SX3165DR442
Engine		WP10.340E22	WP10.380E22	ISM11E4_385	WP10.340E22	WP10.380E22	WP12.430E201	ISM11E4_385	WP10.380E22	ISM11E4_385	WP10.340E22
Emission standard		Euro II	Euro II	Euro IV	Euro II	Euro II	Euro II	Euro III	Euro II	Euro IV	Euro II
Displacement		9.726L	11.596L	10.8L	9.726L	9.726L	11.596L	10.8L	9.726L	10.8L	9.726L
Rated Output		250kW	280kW	283kW	250kW	280kW	316kW	309kW	280kW	283kW	250kW
Max. torque		1400N·m	1600N·m	1835N·m	1400N·m	1600N·m	2000N·m	2000N·m	1600N·m	1835N·m	1400N·m
Transmission		10JSD180+QH50	10JSD180+QH50	10JSD180+QH50	10JSD180+QH50	10JSD180+QH50	12JSD200T-B+QH50	10JSD180+QH50	10JSD180+QH50	10JSD180+QH50	10JSD180+ QH50
Clutch		430	430	430	430	430	430	430	430	430	430
Frame		850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×320(8+7+8)	850×320(8+7+8)	850×300(8+7)
Front axle		MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9T
Rear axle		16T MAN 5.92	16T MAN 5.92	16T MAN 5.262	16T MAN 5.262	16T MAN 5.262	16T MAN 4.769	16T MAN 4.769	16T MAN 5.262	16T MAN 4.769	16T MA N 5.92
Tire		12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	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	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Capacity of the fuel tank		300L	400L	400L	400L	400L	400L	400L	400L	400L	400L
Battery		165Ah	165Ah	180Ah	165Ah	165Ah	165Ah	180Ah	165Ah	180Ah	165Ah
Dimensions(L×W×H)		7950×2490×3270	7950×2490×3270	7950×2490×3270	9300×2490×3210	9300×2490×3210	9300×2490×3210	9300×2490×3210	9300×2490×3210	9300×2490 ×3210	6750×2490×3270
Trunk(L×W×H)		5200×2300×1500	5600×2300×1500	5600×2300×1500	7400×2300×1500	7400×2300×1500	7400×2300×1500	7400×2300×1500	7400×2300×1500	7400×2300×1500	4500×2300×1100
Wheel base		3575+1400	3775+1400	3775+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	4400
Max.gradeability(%)		30	30	30	25	25	25	25	25	25	25
Cab	Type	F3000 , mid-lengthened flat roof									
	Equipments	◆ Electric window lifter ◆ Hydraulic suspension of cab ◆ Hydraulic main seat ◆ Automatic air conditioning ◆ Hydraulic reversal									◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Manual window lifter ◆ Manual flip
	Optional	● Air main seat ● Electric flip ● Four point air suspension cab ● Central locking									● Air main seat ● Electric flip ● Four point air suspension cab ● Automatic air conditioning ● Electric window lifter

F3000 SUPER DUMP TRUCK

SUPER TRAFFICABILITY

9.5T MAN front axle + 16T MAN rear axle, 12.00R20 radial tire with 18mm thickness of rim, bearing capacity of single tire is increased by about 200kg, the diameter of U-bolt of front leaf spring is 20 mm, and the thickness of rear leaf spring is 319.5 mm.

SUPER TRAFFICABILITY

The ground clearance of the battery compartment is 910mm, and 660mm for guard gating of oil pan, 590mm for bottom plate of flat iron oil tank, 610mm for air reservoir, 630 mm for muffler.

SUPER RELIABILITY

Closed alternator for WP10 engine, muffler, fender and air filter are equipped with casting bracket, tailpipe is designed with alterable direction, LED tail lamp is equipped with reliable integral safety fence.

Rear axle matching reinforced gray-iron brake drum, the oil tank is fixed with three tension straps and equipped with , the long-term coarse filter is installed, so as the filtration efficiency of 3-5um impurities is 99.82%, and the oil-water separation efficiency is 99.65%, dust-proof nut helmet for wheel bolt.



Lorry truck

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F3000 SERIES

Transport type		Complex transport			Complex transport		Full drive truck	
Logistics type		Daily industrial products and food			Wood, building materials, steel, ceramic tile, etc.		Wood, building materials, steel, ceramic tile, etc.	
Distance(km)		≤300km			≤500km		≤300km	
Road type		Paved roads			Paved roads		Offroad	
Drive		4×2	6×4	8×4	8×4	8×4	4×4	6×6
Max weight(t)		≤20	≤35	≤50	≤60	≤60	≤20	≤40
Max speed(km/h)		90	90	90	90	90	75	75
Loaded speed(km/h)		50~70	50~70	50~70	40~60	40~60	40~60	40~60
Vehicle model		SX1185DN461	SX1256JR434C	SX1315JR516	SX1315JU456	SX1315JV456C	SX2185JU442	SX2255JU465
Engine		WP10.300E22	ISME34530	WP10.340E22	WP12.400E201	ISME42030	WP12.400E201	WP12.400E201
Emission standard		Euro II	Euro III	Euro II	Euro II	EuroIII	Euro II	Euro II
Displacement		9.726L	10.8L	9.726L	11.596L	10.8L	9.726L	9.726L
Rated Output		220kW	254kW	250kW	294kW	306kW	280kW	280kW
Max. torque		1240N·m	1710N·m	1400N·m	1800N·m	2010N·m	1460N·m	1460N·m
Transmission		RTD-11509C	10JSD180	10JSD180	12JSD200T-B	12JSD200T-B	10JSD180	10JSD180
Clutch		430	430	430	430	430	430	430
Frame		850×300(8+5)	850×300(8+5)	850×300(8+5)	850×300(8+7)	850×300(8+7)	850×300(8+7)	850×300(8+7)
Front axle		MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 7.5T	MAN 9T	MAN 9T
Rear axle		13T MAN 4.769	13T MAN 4.769	13T MAN 4.769	13T MAN 4.266	13T MAN 4.769	16T MAN 5.262	16T MAN 5.262
Tire		11.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20	12.00R20
Front Suspension		Multi leaf springs	Multi leaf springs	Multi leaf springs	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	Multi leaf springs	Multi leaf springs	Multi leaf springs
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Capacity of the fuel tank		400L	400L	400L	400L	400L	400L	400L
Battery		165Ah	180Ah	165Ah	165Ah	180Ah	165Ah	165Ah
Dimensions(L×W×H)		7575×2490×3450	9575×2490×3450	11925×2490× 3450	11425×2490×3450	11425×2490×3450	/	/
Trunk(L×W×H)		6000×2450×600	7500×2450×600	7500×2450×600	9500×2450×600	9500×2450×600	/	/
Wheelbase		4375+1400	4375+1400	1800+4075+1400	1800+4575+1400	1800+4575+1400	4400	4575+1400
After the suspension		1900	2400	1800	2300	2300	2300	2400
Max.gradeability(%)		33	33	33	34	34	25	25
Cab	Type	F3000 , mid-lengthened flat roof					F3000 , Extended flat top	
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Manual window lifter ◆ Manual flip	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip				◆ Mechanical clerestory ◆ Hydraulic suspension of cab ◆ Hydraulic main seat ◆ Hydraulic reversal	
	Optional	● Central locking (dual remote control) ● Single refrigeration air conditioning ● Air/airbag main seat ● Electric flip					● Airbag main seat ● Four point air suspension cab ● Automatic air conditioning ● Electric window lifter ● Electric flip	

SHACMAN——The first off-road heavy truck in China



Cement mixer truck

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F3000 SERIES



Transport type		Heavy haul transportation			
Logistics type		Concrete			Bulk cement
Distance(km)		≤50			≤300
Road type		Paved roads			Paved raod
Drive		6×4	6×4	8×4	8×4
Max weight(t)		≤40	≤40	≤50	≤50
Max speed(km/h)		85	70	85	85
Road type		Paved roads	Paved roads	Paved roads	Paved roads
Loaded speed(km/h)		40~60	40~60	40~60	40~60
Vehicle model		SX5255GJBDR384	SX5255GJBDR384C	SX5315GJB JT306	SX5315GSNDU456
Engine(km/h)		WP10.340E22+PTO	ISME345 30+PTO	WP10.380E22+PTO	WP12.400E201
Emission standard		Euro II	EuroIII	Euro II	Euro II
Displacement		9.726L	10.8L	9.726L	11.596L
Rated Output		250kW	254kW	280kW	294kW
Max. torque		1350N·m	1710N·m	1600N·m	1800N·m
Transmission		10JSD180	10JSD180	10JSD180	12JSD200T-B with QH70
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 5.92	16T MAN 5.262	16T MAN 5.262	16T MAN 5.262
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		165Ah	180Ah	165Ah	165Ah
Dimensions(L×W×H)		8475×2495×3774	8475×2495×3774	10725×2495×3774	11725×2495×3774
Volume(m³)		10	10	12	40
Wheelbase		3775+1400	3775+1400	1800+2975+1400	1800+4575+1400
Max.gradeability(%)		34	34	34	27
Cab	Type	F3000, lengthened flat roof			
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip			
	Optional	● Airbag main seat ● Central locking			



Crane truck

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F3000 SERIES

Transport type		Lorry-mounted crane		
Logistics type		Cargo		
Distance(km)		≤50		
Road type		Paved roads		
Drive		4×2	6×4	8×4
Max weight(t)		≤25	≤40	≤50
Max speed(km/h)		90	90	90
Road type		Paved roads	Paved roads	Paved roads
Loaded speed(km/h)		50 ~ 70	50 ~ 70	50 ~ 70
Vehicle model		SX5185JSQDN561	SX5255JSQDR584	SX5315JSQDT456
Engine(km/h)		WP10.300E22	WP10.340E22	WP10.380E22
Emission standard		Euro II	Euro II	Euro II
Displacement		9.726L	9.726L	9.726L
Rated Output		220kW	250kW	280kW
Max. torque		1240N·m	1400N·m	1600N·m
Transmission		RTD-11509C+QH50	WP10.340E22	10JSD180+QH50
Clutch		430	430	430
Frame		850×300(8+5)	850×300(8+5+8)	850×300(8+5+8)
Front axle		MAN 7.5T	MAN 7.5T	MAN 7.5T
Rear axle		13T MAN 4.769	13T MAN 4.769	13T MAN 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		400L	400L	400L
Battery		165Ah	165Ah	165Ah
Dimensions(L×W×H)		10575×2495×3774	10575×2495×3774	11275×2495×3774
After the suspension		2300	2900	2000
Wheelbase		5600	5775+1400	2100+4575+1400
Max.gradeability(%)		34	34	34
Cab	Type	F3000, low flat roof		
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip		
	Optional	● Airbag main seat		

Oil tanker truck

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F3000 SERIES

Transport type		Tanker		
Logistics type		Oil		
Distance(km)		≤300		
Road type		Paved roads		
Drive	4×2	6×4	8×4	
Max weight(t)	≤20	≤40	≤50	
Max speed(km/h)	90	90	90	
Road type	Paved roads	Paved roads	Paved roads	
Loaded speed(km/h)	50 ~65	50 ~65	50 ~65	
Vehicle model	SX5185GYYDN461	SX5255GYYDN434	SX5315GYYDT456	
Engine(km/h)	WP10.300E22	WP10.300E22	WP10.380E22	
Emission standard	Euro II	Euro II	Euro II	
Displacement	9.726L	9.726L	9.726L	
Rated Output	220kW	220kW	220kW	
Max. torque	1240N·m	1240N·m	1240N·m	
Transmission	RTD-11509C+QH50	RTD-11509C+QH50	10JSD180+QH50	
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 5.262	13T MAN 5.262	13T MAN 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	400L	400L	400L	
Battery	165Ah	165Ah	165Ah	
Dimensions(L×W×H)	7450×2490×3270	9275×2495×3774	10475×2495×3774	
Volume(m³)	10	20	35	
Wheelbase	4600	4375+1400	1800+4575+1400	
Max.gradeability(%)	34	34	34	
Cab	Type	F3000, lengthened flat roof		
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip		
	Optional	●Airbag main seat		



Sprinkler truck

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F3000 SERIES

Transport type		Sprinkler		
Logistics type		Water		
Distance(km)		≤ 50		
Road type		Paved roads		
Drive	4×2	6×4	8×4	
Max weight(t)	≤20	≤40	≤50	
Max speed(km/h)	90	90	90	
Road type	Paved roads	Paved roads	Paved roads	
Loaded speed(km/h)	40 ~60	40 ~60	40 ~60	
Vehicle model	SX5185GSSDN461	SX5255GSSDN434	SX5315GSSDT456	
Engine(km/h)	WP10.300E22	WP10.300E22	WP10.380E22	
Emission standard	Euro II	Euro II	Euro II	
Displacement	9.726L	9.726L	9.726L	
Rated Output	220kW	220kW	280kW	
Max. torque	1240N·m	1240N·m	1600N·m	
Transmission	RTD-11509C+QH50	RTD-11509C+QH50	10JSD180+QH50	
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 5.262	13T MAN 5.262	13T MAN 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	400L	400L	400L	
Battery	165Ah	165Ah	165Ah	
Dimensions(L×W×H)	7450×2490×3270	9275×2495×3774	9275×2495×3774	
Volume(m³)	10	20	35	
Wheelbase	4600	4375+1400	1800+4575+1400	
Max.gradeability(%)		34	34	34
Cab	Type	F3000, lengthened flat roof		
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip		
	Optional	● Airbag main seat		

Compression garbage

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F3000 SERIES

F3000



Transport type		Compression garbage	
Logistics type		Garbage	
Distance(km)		≤50	
Road type		Paved roads	
Drive	4×2		6×4
Max weight(t)	≤25		≤40
Max speed(km/h)	80		80
Road type	Paved roads		Paved roads
Loaded speed(km/h)	40 ~ 60		40 ~ 60
Vehicle model	SX5185ZYSDN401		SX5255ZYSDR434
Engine(km/h)	WP10.300E22		WP10.340E22
Emission standard	Euro II		Euro II
Displacement	9.726L		9.726L
Rated Output	220kW		250kW
Max. torque	1240N·m		1400N·m
Transmission	RTD-11509C+QH50		RTD-11509C+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 4.769		13T MAN 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		400L
Battery	165Ah		165Ah
Dimensions(L×W×H)	9375×2495×3774		10575×2495×3774
After the suspension	1000		1200
Volume(m³)	12		20
Wheelbase	4000		4375+1400
Max.gradeability(%)	34		34
Cab	Type	F3000, Medium long flat roof	
	Equipments	◆ Hydraulic main seat ◆ Four point hydraulic suspension cab ◆ Automatic air conditioning ◆ Electric window lifter ◆ Manual flip	
	Optional	● Airbag main seat	