

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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## GLOBAL PARTS SHARING



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

## WEICHAI POWER

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	1 njiisioii Standard	(kW rpm )	(N.m)	(/ rpm)	Technology roadmap
WP10E22	WP10.310E22	EuroIII	220/2200	1240	1200-1600	Mechanical pump + built-in EGR
	WP10.340E22	Enrol!	250/2200	1350	1200~1600	Mechanical pump buik-in EGR
	WP10.380E22	Euro HI	280/2200	1600	1200-1600	Mechanical pump ♦ buik-in EGR
WPIO	WP 10.336	EuroEI	247/2200	1250	1200-1600	Electronic control led high pressure common rail
WP10E40	WP10.270E40	Euro IV	199/1900	1270	1200-1500	Electronic controlled high pressure common rail + SCR
	WP 10.290170	EuroIX'	213/1900	1340	1200-1500	l: lectronic controlled high pressure common rail - SCR
	WP10.310E40	Euro!\	228/1900	1420	1200-1500	Electronic controlled high pressure common rail + SCR
	PI 0.336170)	JuroIX	247.1900	1500)	1200) - 1500	IUcclronic controlled high pressure common rail SCR
WP10E43	WP10.336E43	Euro!\	247/1900	1500	1200-1500	Electronic controlled high pressure common rail + SCR
WP12N	WP12.375N	I: u rolil	276/1900)	1800	1000- 1400	Llectronic controlled high pressure common rail
	WP12.430N	Euro HI	316/1900	2060	1000-1400	Electronic controlled high pressure common rail
	WP12.460N	Enrol.'	338/1900	2110	1000- 1400	■ lectronic controlled high pressure common rail
WP12E201	Wpl2.400E201	EuroIB	280/2200	1500	1300~1400	Mechanical pump 4 built-in EGR
	WP12.4301-201	Furo!\i	309/22(H)	1750	1300-1400	Mechanical pump + built-in EGR
WP12E40	WP12.336E40	EuroIV	247/1900	1615	1000~1400	Electronic controlled high pressure common rail + SCR
	WPI 2.3751-40	l: urol\	276/1900	1 KO0	1000 - 1400	Electronic coitiioleil high pressure com mon rail - SCR
	WP12.4001-40	Euro!\	294/1900	1920	1000-1400	Ilectronic controlled high pressure common rail + SCR
	WP 12.4301-40	r: urol\	316/1900	2060	1000-1400	Electronic controlled high pressure common rail SCR
	WP12.460E40	EuroIV	338/1900	2110	1000-1400	Electronic controlled high pressure common rail + SCR
WP13	WP13.530E30	EuroJ	390/2100	2220	1200- 1500)	Electronic controlled high pressure common rail
	WP13.550E40	EuroIX	405/2100	2300	1200~1500	Electronic controlled high pressure common rail ♦ SCR
	WP13.550E501	Enrol	405/1900	2550	1000-1400	Electronic control led high pressure common rail SCR

# 層 Power

Cummins power: Supplies SI I ACM AN vehicles with custom built ISM series fully electronically controlled engines with intelligent controls, excellent power, live 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 injection system allowing high pressure atomization of diesel oil in cylinders and precise injection.

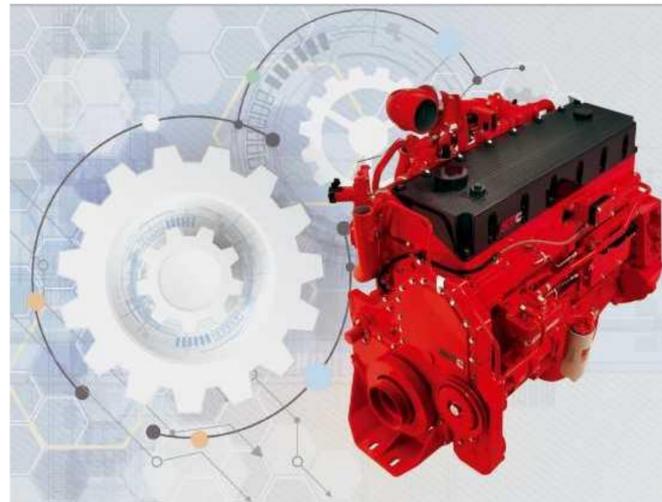
Electronic control system includes cruise control, vehicle speed control and over 100 other functions. The system makes sure the engine is in the best shape, features highly integrated module design and uses 30% less parts: greatly reducing failure rate.

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 rev range 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 (hp)	rpm >	(Nm)	(rpm)	Injection system
ISM E30	ISM E345 30	Euro III	254(345)	1900	1710	1200	Electrically controlled pump nozzle
	ISM E420 30	Euro III	306(420)	1900	1710	1200	Electrically controlled pump nozzle
	ISM HE-c	Euro IV	250(345)	1910	1699	1200	Electrically controlled pump nozzle
ISM HE4	ISM HE4 385	Euro IV	280(385)	1900	1825	1200	Electrically controlled pump nozzle
	ISM HE-c 120	Euro III	306(420)	1900	2000	1200	Electrically controlled pump nozzle
	ISM HE4 440	Euro IV	280(385)	1900	1825	1200	Electrically controlled pump nozzle
	ISM HE-c 150	Euro III	306(420)	1900	2000	1200	Electrically controlled pump nozzle
ISM HE5	ISM HE5 385	Euro V	220(385)	1900	1825	1200	Electrically controlled pump nozzle
	ISM HE5 420	Euro V	301(420)	1900	2000	1200	Electrically controlled pump nozzle
	ISM HE5 440	Euro V	318(420)	1900	2080	1200	Electrically controlled pump nozzle
	ISM HE5 440	Euro V	318(420)	1900	2080	1200	Electrically controlled pump nozzle

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	X.0X	5.93	4.22	3.36	2.41	1.~6	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		
R 11)11509C	1490	12.44	X.3I	3.09	4.54	3.36	2.47	LSI	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	X.2X	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	12.0X	9.39	7.33	5.73	4.46	3.4X	2.71	2.1	1.64	1.2X	1			14.X6	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	3.0X	2.56	2.11	1	16.3	13.42		



# HANDE AXLE



Gear ratios used on axles										
MAN	1 ?T single reduction	3.083	3.364	3.7	4.J11	4.625	5.286	6.167		
	13T double reduction	3.X66	4.266	4.769	5.262	5.92	6.733	7.63	X.XX	
	I6T	3.712	3*66	4.266	4.578	4.769	5.262	5.92	6.733	7.63   8.88   10.66

llande axle: Advanced axles utilizing imported German MAN single stage reduciion axle technology as well as heavy duty off-road military truck axle technologySuper 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.

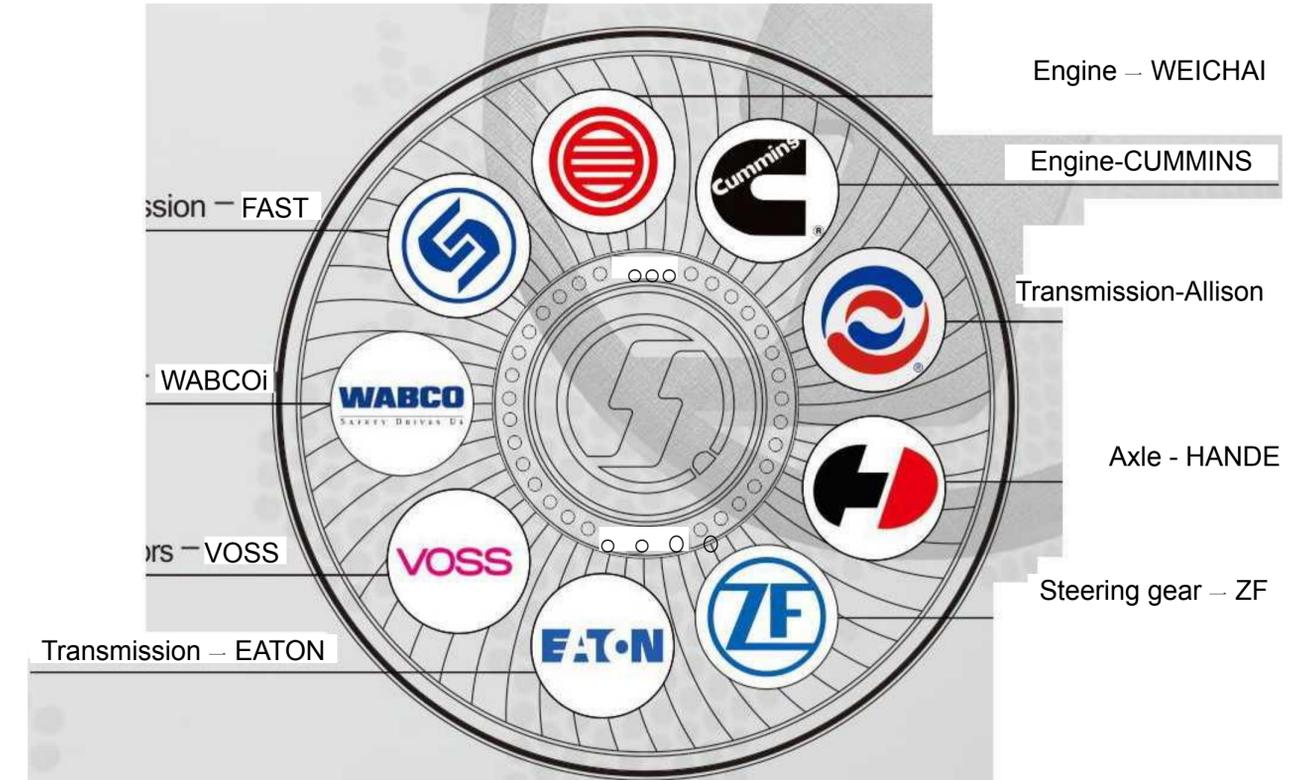
High reliability: Optimized design and finite clement analysis of axle shell guaranteed the bearing capacity of the shell. Robot welding is used in the construction of the axle shell. Spindle nose utilizes friction welding technology, increasing loading capacity and eliminates impact load deformation.

• Safely: Brake shoe with widened variable cross section allows better heat dissipation, breaking power and improves (he efficiency of friction plates.

Powerful: Primary and secondary gear single stage reduciion, 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 plale 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.

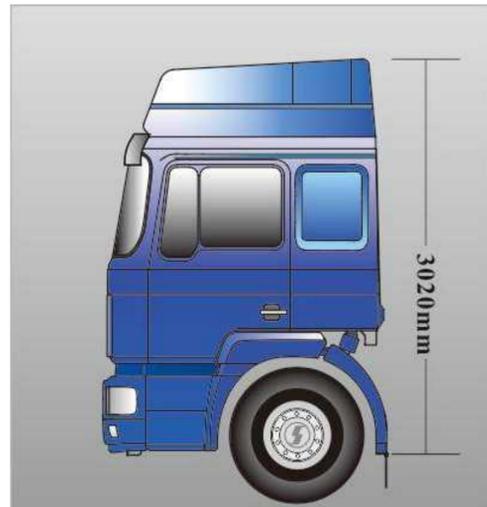
# STYLISH COMFORTABLE INTELLIGENT

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.

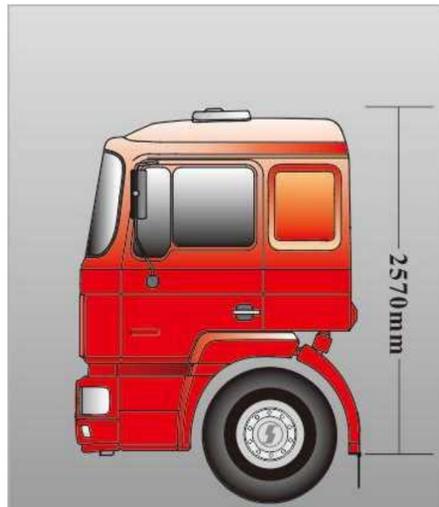
Advanced noise isolation technology and strengthened cab body structure; Application of polyester material can reduce cab noise greatly and increase insulation qualities.

Four point airsuspension system, double layered scaled cab doors and electric controlled automatic constant temperature air conditioning incrcascdriv ing comfort. Independent heating system can insure drivine comfort in cold climates.



2210mm

Lengthened high roof cabin



2210mm

Lengthened flat roof cabin

Duke Yellow (metallic)



2060mm

Mid-lengthened flat roof cabin

Pearl White (regular)



T, 圖岫

# LUXURIOUSLY EQUIPPED

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 v 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



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.

6



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.

7



# Trailer truck

## SHACMAN

# SHACMAN

EXXJO 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	4x2	4*2	4x2	6x4	6x4	6x4	6x4	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	SX4185J1361	SX4185J1361	SX4185J1361C	SX4188J1361C	SX4255J1324	SX4255J1324	SX4255J1324C	SX4255J1324	SX4255J1324C	SX4255J1385
Engine	WP10.380E22	WP12.400E201	ISM385 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	310kW	283kW	294kW	309kW	294kW
Max torque	1600Nm	1800Nm	1835Nm	2080Nm	1600Nm	2000Nm	1835Nm	1800Nm	2000Nm	1800Nm
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)x300(single X) MAN 7.5T	940-850x300(single S) MAN 7.5T	(940-850)x300(single S) MAN 7.5T	(940-850)x300(single S) MAN 7.5T	850x300x-5) MAN 7.5T	850x300x-5) MAN 7.5T	850x300x-5) MAN 7.5T	850x300x-7) MAN 9.5T	850x300x-7) MAN 9.5T	850x300x-7) MAN 9.5T
Rear axle	131MAN 4.266	131MAN3.866	131MAN3.866	131MAN3.866	131MAN 4.769	131MAN 4.266	131MAN 4.266	131MAN 4.266	131MAN 4.266	131MAN 4.266
Tire	12R22.5	12R22.5	12R22.5	12R22.5	12J00R20	12J00R20	12J00R20	12J00R20	12J00R20	12J00R20
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	165 Ah	165 Ah	180 Ah	180Ah	165 Ah	165Ah	180 Ah	165 Ah	180 Ah	165 Ah
Dimensions(LxWxH)	6150x2490x3210	6150x2490x3210	6150x2490x3210	6150x2490x3210	6860x2490x3710	6860x2490x3710	6860x2490x3710	6860x2490x3710	6860x2490x3710	7500x2490x3710
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
Type	F3000, lengthened Hat roof									
Equipments	<ul style="list-style-type: none"> <li>Four point air suspension</li> <li>Air cushioned drivers seat</li> <li>Automatic air conditioning</li> </ul>								<ul style="list-style-type: none"> <li>Manual window lifter</li> <li>Hydraulic suspension of cab</li> <li>Hydraulic main seat</li> </ul>	
Optional	<ul style="list-style-type: none"> <li>Safety fence for water tank</li> <li>Roof air deflector</li> <li>Single refrigeration air conditioning</li> <li>Electric flip</li> </ul>								<ul style="list-style-type: none"> <li>Airbag main seat</li> <li>Four point air suspension</li> <li>Automatic air conditioning</li> <li>Electric flip</li> <li>Electric window lifter</li> </ul>	

# Dump truck



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	6x4	6x4	6x4	8x4	8x4	8x4	8x4	8x4	8x4	4x4	6x6	
Max weight(t)	<50	<50	<50	<90	<90	<90	<90	<90	<90	<25	<50	
Max speed(kmh)	75	75	80	85	85	80	80	80	80	85	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	40 ~60	
Vehicle model	SXC255DR354	SXC255DT384	SXC255DT384C	SXC315DR366	SXC315DT366	SXC315DV366	SXC316DT366C	SXC315DT366	SXC316DT366C	SXC3165DR442	SXC255DT385C	
Engine	WP10.340E22	WP10.380E22	ISM11E4185	WP10.340E22	WP10.380E22	WP12.430E201	ISM11E4.385	WP10.380E22	ISM11E4185	WP10.340E22	ISM6385.30	
Emission standard	Euro II	Euro II	Euro IV	Euro II	Euro II	Euro II	Euro III	Euro II	Euro IV	Euro II	Euro III	
Displacement	9.726L	11.596L	10.8L	9.726L	9.726L	11.596L	10.8L	9.726L	10.8L	9.726L	10.8L	
Rated Output Max. torque	250kW 1400Nm	280kW 1600Nm	283kW 1835Nm	250kW 1400Nm	280kW 1600Nm	316kW 2000Nm	300kW 2000Nm	280kW 1600Nm	283kW 1835Nm	250kW 1400Nm	283kW 1835Nm	
Transmission	I0SD180-QH50	I0SD180-QH50	I0SD180-QH50	I0SD180-QH50	I0SD180-QH50	I2SD200T-B-QH50	I0SD180-QH50	I0SD180-QH50	I0SD180-QH50	I0SD180-QH50	I2SD180T-QH50	
Clutch	430	430	430	430	430	430	430	430	430	430	430	
Frame	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	850x3008x71	
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	MAN 9T	
Rear axle	I6TMAN 5.92	I6TMAN 5.92	I6TMAN 5.262	I6T MAN 5.262	I6TMAN 5.262	I6T MAN 4.769	I6TMAN 4.769	I6TMAN 5.262	I6TMAN 4.769	I6TMA NS.92	I6TMAN 5.262	
Tire	12.00R20	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	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	Multi leaf springs	
Fuel	Diesel	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	400L	
Battery	165 Ah	165 Ah	180Ah	165 Ah	165 Ah	165 Ah	180Ah	165 Ah	180 Ah	165 Ah	180Ah	
Dimensions(LxWxH)	9950x2490x3270	9950x2490x3270	9950x2490x3270	8000x2490x3210	8000x2490x3210	9300x2490x3210	8000x2490x3210	8000x2490x3210	9300x2490x3210	8000x2490x3270	9950x2490x3270	
Trunk(LxWxH)	6200x2300x1500	6000x2300x1500	6000x2300x1500	7400x2300x1500	7400x2300x1500	7400x2300x1500	7400x2300x1500	7400x2300x1500	7400x2300x1500	6000x2300x1100	6000x2300x1100	
Wheel base	3575+1400	3775+1400	3775+1400	3800+3575+1400	3800+3575+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	1800+3575+1400	4400	3775+1400	
Max. gradeability(%)	30	30	30	25	25	25	25	25	25	25	25	
Cab	Type	F3000, mid-lengthened flat roof										
	Equipments	<ul style="list-style-type: none"> <li>• Electric window lifter</li> <li>• Hydraulic suspension of cab</li> <li>• Hydraulic main seat</li> <li>• Automatic air conditioning</li> <li>• Hydraulic reversal</li> </ul>									<ul style="list-style-type: none"> <li>• Hydraulic main seat</li> <li>• Four point hydraulic suspension cab</li> <li>• Manual window lifter</li> <li>• Manual flip</li> </ul>	
Cab	Optional	<ul style="list-style-type: none"> <li>• Air main seat</li> <li>• Electric flip</li> <li>• Four point air suspension cab</li> <li>• Central locking</li> </ul>									<ul style="list-style-type: none"> <li>• Air main seat</li> <li>• Electric flip</li> <li>• Four point air suspension cab</li> <li>• Automatic air conditioning</li> <li>• Electric window lifter</li> </ul>	

# Fioao

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

**SHACMAN**

# SHACMAN

EXXJO 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		<500km	
Road type	Paved roads			Paved roads		Offroad	
Drive	4x2	6x4	8x4	8x4	8x4	4*4	6x6
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	5470	40-60	40-60	40 ~60	40 ~60
Vehicle model	SX1185DN461	SX1256R434C	SX1315R516	SX1315U456	SX1315U456C	SX2185U442	SX2255U465
Engine	WP10.300E22	ISME34530	WP10.340E22	WP12.400E201	ISME42030	WP12.400E201	WP12.400E201
Emission standard	Euro II	Euro III	Euro II	Euro II	EuroII	Euro II	Euro II
Displacement	9.726L	10.8L	9.726L	11.596L	10.8L	9.726L	9.726L
Rated Output	230kW	254kW	250kW	294kW	306kW	280kW	280kW
Max. torque	1240Nm	1710Nm	1400Nm	1800Nm	2030Nm	1460Nm	1460Nm
Transmission	RTD-11509C	10JSD180	10JSD180	12JSD200T-B	12JSD200T-B	10JSD180	10JSD180
Clutch	430	430	430	430	430	430	430
Frame	850*3008*51	850*3008*51	850*3008*51	850*3008*71	850*3008*71	850*3008*71	850*3008*71
Front axle	MAN7.5T	MAN7.5T	MAN7.5T	MAN7.5T	MAN7.5T	MAN9T	MAN9T
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	165 Ah	180Ah	165 Ah	165 Ah	180 Ah	165 Ah	165 Ah
Dimensions(LxWxH)	7575x2490x3450	9575x2490x3450	11925x2490x 3450	11425x2490x3450	11425x2490x3450	/	/
Trunk(LxWxH)	6000x2450x600	7500x2450x600	7500x2450x600	9500x2450x600	9500x2450x600	/	/
Wheelbase	4375+1400	4375+1400	1800+4075+1400	1800+4575+1400	1800+4575+1400	4400	4575+1400
After the suspension	1900	1900	1800	2300	2300	2300	2400
Max. gradeability(%)	33	33	33	34	34	25	25
Type	F3000, mid-longitudinal flat roof					F3000, Extended flat top	
Cab	Equipments	<ul style="list-style-type: none"> <li>Hydraulic main seat</li> <li>Four point hydraulic suspension cab</li> <li>Manual window lifter</li> <li>Manual flip</li> </ul>	<ul style="list-style-type: none"> <li>Hydraulic main seat</li> <li>Four point hydraulic suspension cab</li> <li>Automatic air conditioning</li> <li>Electric window lifter</li> <li>Manual flip</li> </ul>	<ul style="list-style-type: none"> <li>Mechanical cresterory</li> <li>Hydraulic suspension of cab</li> <li>Hydraulic main seat</li> <li>Hydraulic reversal</li> </ul>			
	Optional	<ul style="list-style-type: none"> <li>Central locking (dual remote control)</li> <li>Single refrigeration air conditioning</li> <li>Airbag main seat</li> <li>Electric flip</li> </ul>	<ul style="list-style-type: none"> <li>Airbag main seat</li> <li>Four point air suspension cab</li> <li>Automatic air conditioning</li> <li>Electric window lifter</li> <li>Electric flip</li> </ul>				



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# Cement mixer truck

**SHACMAN**



Transport type	Heavy haul transportation			
	Concrete	Heavy haul transportation		Bulk cement
Logistics type	Concrete			
Distance(km)	<50			
Road type	Paved roads			
Drive	6x4	6x4	8x4	8x4
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	SX5315GJBT306	SX5315GJSDU456
Engine(km/h)	WP10.340E22+PTO	ISM6345 30-PTO	WP10.380E22+PTO	WP12.400E20
Emission standard	Euro II	EuroII	Euro II	Euro II
Displacement	9.726L	10.8L	9.726L	11.596L
Rated Output	250kW	254kW	280kW	294kW
Max. torque	1350Nm	1710Nm	1600Nm	1800Nm
Transmission	10ISD180	10ISD180	10ISD180	12ISD200T-B with QH70
Clutch	430	430	430	430
Frame	850c300(8+7)	850c300(8+7)	850c300(8+7)	850c300(8+7)
Front axle	MAN 9.5T	MAN 9.5T	MAN 9.5T	MAN 9.5T
Rear axle	161MAN 5.262	161MAN 5.262	161MAN 5.262	161MAN 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	165 Ah	180Ah	165 Ah	165 Ah
Dimensions(LxWxH)	8475x2495x3774	8475x2495x3774	10725x2495x3774	11725x2495x3774
Vb(km/m <sup>3</sup> )	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	<ul style="list-style-type: none"> <li>Hydraulic main seat</li> <li>Four point hydraulic suspension cab</li> <li>Automatic air conditioning</li> <li>Electric window lifter</li> <li>Manual flip</li> </ul>		
	Optional	<ul style="list-style-type: none"> <li>Airbag main seat</li> <li>Central locking</li> </ul>		

# Crane truck

**SHACMAN**

# SHACMAN

EJ000 SERIES



Transport type		Lorry-mounted crane		
Logistics type		Cargo		
Distance(km)		<50		
Road type		Paved roads		
Drive	4x2	6x4	8x4	
Max weight(t)	<25	<40	<50	
Max speed(km/h)	90	<b>90</b>	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(kmZh)	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	850x300(8+5)	850x300(8+5+8)	850x300(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	165 Ah	165 Ah	165Ah	
Dimensions(Lx W xH)	10575x2495x3774	10575x2495x3774	11275x2495x3774	
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	<ul style="list-style-type: none"> <li>◆ Hydraulic main seat</li> <li>◆ Four point hydraulic suspension cab</li> <li>◆ Automatic air conditioning</li> <li>◆ Electric window lifter</li> <li>◆ Manual flip</li> </ul>		
	Optional	<ul style="list-style-type: none"> <li>• Airbag main seat</li> </ul>		

# Oil tanker truck

**SHACMAN**



Transport type		Tanker	
Logistics type		Oil	
Distance(km)		<300	
Road type		Paved roads	
Drive	4x2	6x4	8x4
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	SX5185GYDN461	SX5255GYDN434	SX5315GYD456
Engine(kmZh)	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	850x300(8+5)	850x300(8+5)	850x300(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	165 Ah	165 Ah	165 Ah
Dimensions - W x H)	7450x2490x3270	9275x2495x3774	10475x2495x3774
Vblume(m³)	10	20	35
Wheelbase	4600	4375+1400	1800+4575+1400
Max.gradeability(%)	34	34	34
Cab	Type	F3000, lengthened flat roof	
	Equipments	<ul style="list-style-type: none"> <li>◆ Hydraulic main seat</li> <li>◆ Four point hydraulic suspension cab</li> <li>◆ Automatic air conditioning</li> <li>◆ Electric window lifter</li> <li>◆ Manual flip</li> </ul>	
	Optional	• Airbag main seat	

# Sprinkler truck

**SHACMAN**



Transport type		Sprinkler	
Logistics type		Water	
Distance(kiTi)		< 50	
Road type		Paved roads	
Drive	4x2	6x4	8x4
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(kmZh)	WP10.300E22	WP10.300E22	WP10.380E22
Emission standard	Euro 11	Euro II	Euro II
Displacement	9.726L	9.726L	9.726L
Rated Output	220kW	220kW	280kW
Max. torque	1240N-m	1240Nm	1600N-m
Transmission	RTD-11509C+QH50	RTD-11509C+QH50	10JSD180+QH50
Clutch	430	430	430
Frame	850x300(8+5)	850x300(8+5)	850x300(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	165 Ah	165 Ah	165 Ah
Dimensions" W x H)	7450x2490x3270	9275x2495x3774	9275x2495x3774
Vblume(m³)	10	20	35
Wheelbase	4600	4375+1400	1800+4575+1400
Max.gradeability(%)	34	34	34
Cab	Type	F3000, lengthened flat roof	
	Equipments	<ul style="list-style-type: none"> <li>◆ Hydraulic main seat</li> <li>◆ Four point hydraulic suspension cab</li> <li>◆ Automatic air conditioning</li> <li>◆ Electric window lifter</li> <li>◆ Manual flip</li> </ul>	
	Optional	<ul style="list-style-type: none"> <li>• Airbag main seat</li> </ul>	

# Compression garbage

**SHACMAN**



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Transport typ		Compression garba	
Logistics type		Garbage	
Distance(km)		W50	
Road type		Paved roads	
Drive	4x2		<b>6x4</b>
Max weight(t)	W25		W40
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		<b>9.726L</b>
Rated Output	220kW		250kW
Max. torque	1240N-m		1400Nm
Transmission	RTD-11509C+QH50		RTD-11509C+QH50
Clutch	430		430
Frame	850x300(8+5)		850x300(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	165 Ah		165 Ah
Dimensions(LxW x H)	9375x2495x3774		10575x2495x3774
After the suspension	1000		1200
Vblume(m³)	12		20
Wheelbase	4000		4375+1400
Max.gradeability(%)	<b>34</b>		<b>34</b>
Cab	Type	F3000, Medium long flat roof	
	Equipments	<ul style="list-style-type: none"> <li>◆ Hydraulic main seat</li> <li>◆ Four point hydraulic suspension cab</li> <li>◆ Automatic air conditioning</li> <li>◆ Electric window lifter</li> <li>◆ Manual flip</li> </ul>	
	Optional	<ul style="list-style-type: none"> <li>• Airbag main seat</li> </ul>	