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SAGMOTO

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SAGMOTO **PRODUCTS FAMILIES**

Making Favorite & Reliable Trucks



Benefit to you

Shaanxi Automobile Commercial Vehicle Company is the subsidiary of Shaanxi Automobile Holding Group Company, headquartered in Baoji, China.

It is the R&D and manufacturing base of Shaanxi Automobile Holding Group, for a full range of commercial vehicles, including new energy trucks.

It has the capacity of producing 200,000 commercial vehicles per year.

Since its establishment in 1968, it has gone through five iterations of products and has sold over 2.3 million vehicles in total.



R&D strength

3700+

Scientific researchers

2900+

Patents & self-developed technologies

600+

Sets of R&D equipment

- National-level Technology Center & Post-Doctoral Research Center
- HANDE Axle Technology Center (CNAS authentication)
- Key Laboratory of Energy Saving and New Energy Heavy Commercial Vehicles
- The National New Energy Standard of China



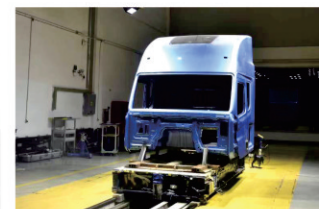
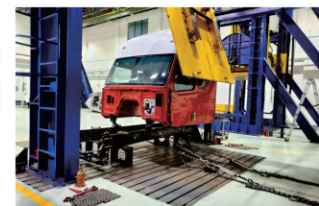
The vehicle test

Passed Temperature Test from -35°C to $+50^{\circ}\text{C}$.

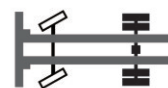
Cab strength meets the latest European ECER29-03 collision standard

Assembly Test: Six degrees of freedom platform/Frame fatigue test

Parts: Mounting endurance test/Braking component performance



Driving Type



4x2

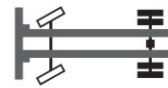
Tractor axle configurations: E1st/E3

Rigid axle configurations: E3/X3s/E6/X6/X5/i5/E9/X9/i9



4x4

Rigid axle configurations: X1/X6/X9



6x4

Tractor axle configurations: E1st/X1/E3

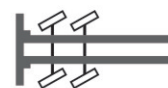
Rigid axle configurations: X1/E3/X3s/E6/X6/X5



6x6

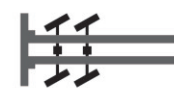
Tractor axle configurations: X1/E3

Rigid axle configurations: X1/E3



8x4

Rigid axle configurations: X1/X3/E3/E6



8x8

Rigid axle configurations: X1/E3



Light Duty Truck



Electric Light Truck



Heavy Duty Truck



Offset Truck

HEAVY DUTY TURCK--E1st

E1st is a brand-new super heavy-duty truck launched by SAGMOTO after the analysis and research on the future development direction of logistic transportation and customer needs. With excellent performance, comfort and all-round safety guarantee, it brings new transportation experience and more values to users.

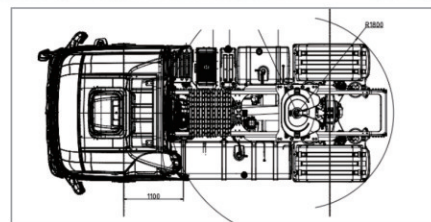
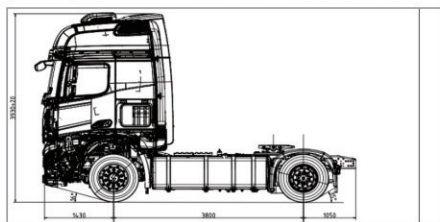
Position

- For urban truck logistics transportation
- For daily industrial products transportation
- For container transportation

Features

- Driving Safety & Intelligence
- Exclusive integrated super power chain
- Optimal fuel economy performance

Cabs



Driving Type



4x2 Tractor



6x4 Tractor

Engine

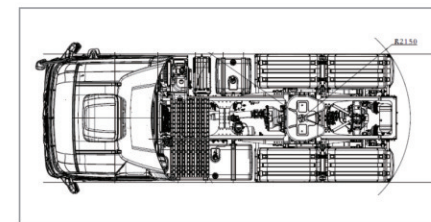
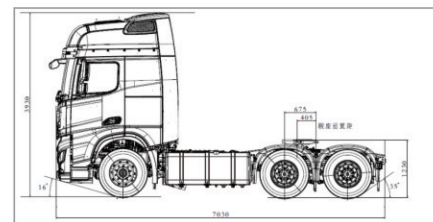
Emission	Engine Capacity	Model	Power/PS	Maximum Torque / N.m
Euro V	12.5	M13E5 560	560	2600

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
AMT	12	EHDM-26N112C-R+VR115CT	Aluminium	2600	Overspeed Gear	14.43	0.77

Drive Axle

Model	Type	Axle load/Kg	Torque/N.m	Speed RATIO
HD469	single	13	44000	3.364/3.7



HEAVY DUTY TRUCK—1 Series

Sagmoto X1 Series trucks, with their robust chassis and powertrains, provide the productivity you need for today's competitive logistic & distribution environment

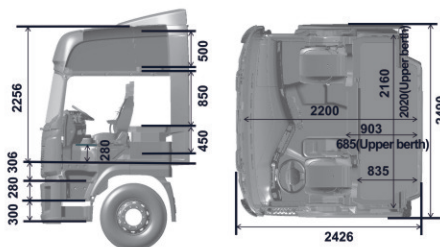
Position

- For Long-distance express logistics
- For mining engineering transportation
- For urban construction transportation

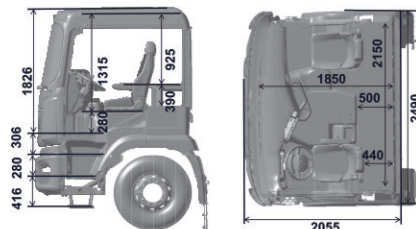
Features

- Patented Engine Suspension Structure
- Three-layer Reinforced Frame
- High reliability braking system

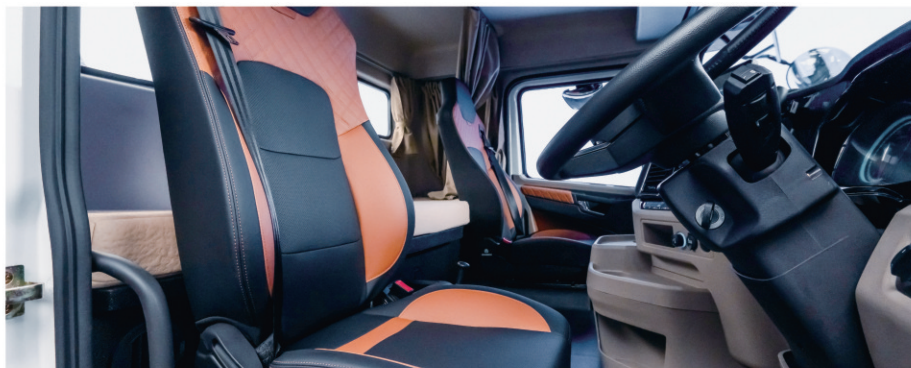
Cabs



- Extended high-roof wide-body cab (raised floor)



- Medium-length flat-roof wide-body cab



Driving Type



4x4 Desert buggy



6x4 Tractor



6x4 Dump truck



8x4 Dumper truck



8x8 Dumper truck

Engine

Emission	EngineCapacity	Model	Power / PS	Maximum Torque / N.m
Euro II	11.73	YC6MJ440-33	440	2060
	11.73	YC6MJ460-33	460	2110
Euro III	9.92	M10E3 360	360	1800
	9.92	M10E3 385	385	1900
	9.92	M10E3 440	440	2200
	12.5	M13E3 520	520	2500
	12.5	M13E3 550	550	2600
Euro V	9.92	M10E5 385	385	970
	9.92	M10E5 460	460	2200
	12.5	M13E5 480	480	2400
	12.5	M13E5 520	520	2500
	12.5	M13E5 560	560	2600

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
AMT	16	F16JZ26(Tractor truck)	aluminum	2600	Direct	17.09	1
	13	F13JZ24(Dumper truck)	aluminum	2400	Direct	15.69	1
MT	12	12JSD200T-B	Iron	2000	Direct	15.53	1
	12	12JSD200TA-B	Iron	2000	Overspeed Gear	12.1	0.78
	12	12JSDX220T-B	Iron	2200	Direct	13.15	1
	12	12JSDX220TA-B	aluminum	2200	Overspeed Gear	12.1	0.78
	13	13JSDX260T(M13)	aluminum	2600	Overspeed Gea	15.68	0.78

Drive Axle

Model	Type	Axle load/Kg	Torque/N.m	Speed RATIO
HDZ300	Single	10	50000/120000	5.92/6.733/7.063/8.88/9.21/13.071

HEAVY DUTY TRUCK—3 Series

The E3 is a durable, intelligent, and safe truck that improves payload, driving performance, and productivity to a new level. It ensures the highest level of uptime and efficiency even in the most challenging environments.

Position

- For long-distance express transportation
- For mining engineering transportation
- For urban construction transportation

Features

- Narrow-body cab design
- Intelligent and comfortable configurations
- Efficient power chain applications

Cabs

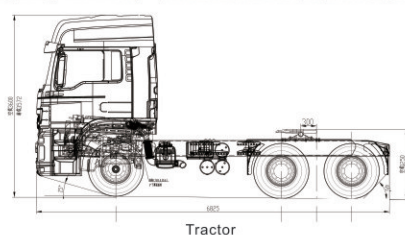
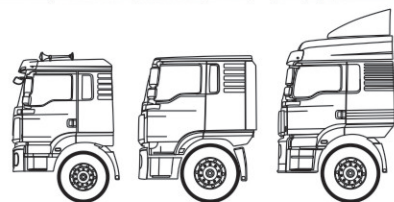
(X3s)



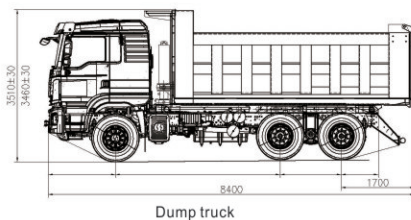
(E3)



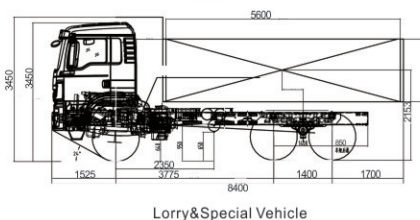
(E3 MAX)



Tractor



Dump truck



Lorry & Special Vehicle

Driving Type



4x2 Tractor



6x4 Tractor



6x6 Tractor



6x4 Dump truck



6x6 Dump truck



8x4 Dump truck



8x8 Dump truck



4x2 Lorry truck



6x4 Lorry truck



8x4 Lorry truck

Special truck



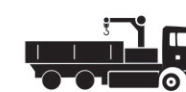
Concrete Mixer Truck



Refrigerated Truck



Compactor Garbage Truck



Truck-mounted Crane

Engine

Emission	EngineCapacity	Model	Power / PS	Maximum Torque / N.m
Euro II	10.34	YC6MK-33	340-400	1550-1800
	11.73	YC6MJ-33	420-460	2000-2110
Euro III	10.8	ISME 30	345-420	1710-2000
	10.34	YC6MK-50	385-420	1800-2000
Euro V	9.92	M10E5	385-460	1900-2200
	10.8	ISM11E5	345-450	1710-2150
	11.8L	ISGe5 490	490	2300

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	10	10JSD180	Iron	1800	Direct	14.917	1
	10	10JSD180T	Iron	1800	Direct	14.917	1
	12	12JSD200TA-B	Aluminium	2000	Overspeed Gear	12.098	0.78
	12	12JSD220K+QH50	Iron	2200	Direct	15.527	1
	12	12JSDX220TA-B	Aluminium	2200	Overspeed Gear	12.1	0.78
AMT	12	EHDM-26N112C-R(VR115CN)	Aluminium	2600	Overspeed Gear	18.85	0.77

Drive Axle

Model	Type	Axle load/Kg	Torque/N.m	Speed RATIO
HDZ485	Single	13	46000	3.7/4.111
HDZ469	Single	13	46000	3.7/4.111
HDZ300	Single	13	50000	4.266/4.769/5.262/5.92/6.733
HDZ300	Single	16	50000	4.266/4.769/5.262/5.92/6.733

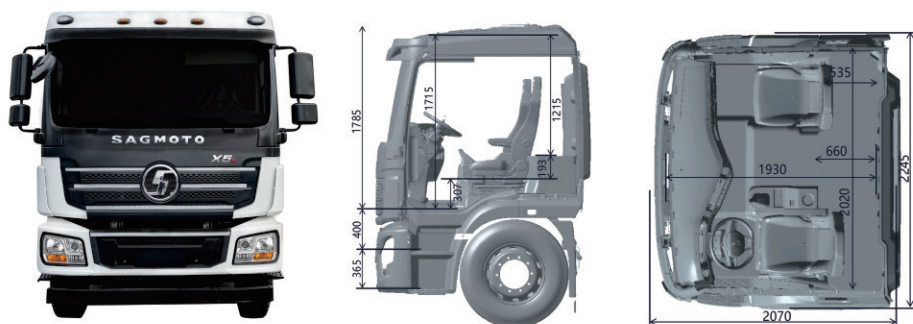
HEAVY DUTY TURCK—5 Series

The X5 Series is a newly developed medium-duty truck product from SAGMOTO, primarily targeting the mid-to-high-end logistics transportation and specialized vehicle segments.

Position

- For construction & mining transportation
- For medium- and long-distance intercity transportation
- For Urban specialized
- Lightweight design; curb weight is designed to be around 5 tons,
- Low chassis design, allowing 3 meter or higher containers to be fitted
- A minimum turning radius of 15.3 meters

Cabs



Driving Type



4x2 Lorry truck



6x4 Dump truck



6x4 Hook lift truck



6x4 Water tanker

Engine

Emission	EngineCapacity	Model	Power / PS	Maximum Torque / N.m
Euro II	8.4	YC6L310-33	310	1150
	8.4	YC6L340-33	340	1280
Euro III	6.7	ISDe245 30	245	925
	6.7	ISDe285 30	285	970
	6.7	ISD270 50	270	970
	6.7	ISD300 50	300	1100
Euro V	6.4	YCS06245-50	645	850
	6.4	YCS06270-50	270	1050
	6.4	YCS06300-50	300	1200

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	8	8JS118T-B	Iron	1180	Direct	10.31	1
	8	8JS85TF-C	Iron	850	Direct	11.748	1
	10	10JSD120T	Iron	1200	Direct	14.96	1
	10	10JSD120TB	Iron	1200	Overspeed Gear	12.74	0.73

Drive Axle

Model	Type	Axle load/Ton	Torque/N.m	Speed RATIO
HZD 11.5t	Single	11	30000	4.875/5.143/5.573/6.83
HDZ 13t	Single	13	40000	4.875/5.286/5.833/6.33

MEDIUM DUTY TRUCK—6 Series

The 6 series trucks have many advantages such as strong power, good passability, strong load capacity, and high reliability, suitable for busy drivers, and have good performance in efficient transportation over short distances in urban areas.

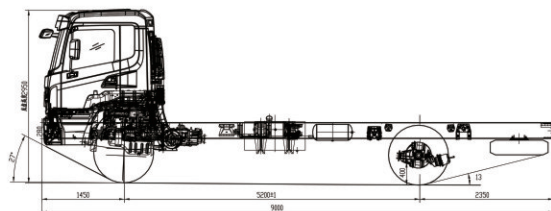
Position

- For medium- and long-distance intercity transportation
- For construction & mining transportation
- For urban residential transportation

Features

- Flexible and lightweight ,Small turning radius
- High reliability & strong bearing capacity
- Equipped with 3L,4L,7L engines

Cabs



Driving Type



6x4 Dump truck



8x4 Dump truck



4x2 Lorry truck



4x4 Lorry truck



6x2 Lorry truck



6x4 Lorry truck

Special truck



Concrete Mixer Truck



Refrigerated Truck



Compactor Garbage Truck



Truck-mounted Crane

Engine

Emission	Engine Capacity	Model	Power/PS	Maximum Torque / N.m
Euro II	6.49	YC6A210-33	210	710
Euro □	6.7	ISD270-50	270	970
Euro □	7.52	YC6A270-50	270	1100

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	10	10JSD120B	Iron	1200	Overspeed Gear	12.74	0.73
	10	10JSD180T	Iron	1800	Direct	14.96	1
	8	8JS118	Iron	1180	Direct	11.4	1
	9	9JS135T-B	Iron	1180	Direct	12.11	1

Drive Axle

Model	Type	Axle load/Ton	Torque/N.m	Speed RATIO
153	Single	10	30000	4.875/5.143/5.573/6.83
457	Single	13	40000	4.875/5.286/5.833/6.33
HDZ13T	Single	13	46000	3.7/4.11/4.625/5.571

LIGHT DUTY TRUCK—7 Series

The 7 series trucks are compact, flexible, and with high-capacity. It is easy to drive, with high ground clearance, and excellent off-road ability, for muddy roads, desert terrain, and mountain transportation.

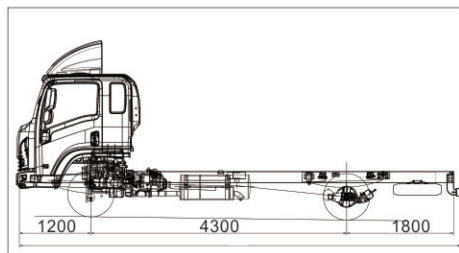
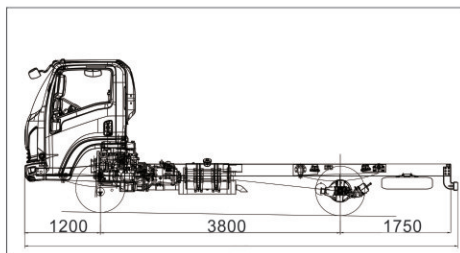
Position

- For construction & mining transportation
- For medium- and long-distance intercity transportation
- For urban residential transportation

Features

- GVW up to 20 tons. CW less than 6 tons.
- Narrow-body cab design
- High reliability & strong bearing capacity

Cabs



Driving Type



4x2 Lorry Truck



4x4 Lorry Truck



4x2 Dump truck



4x4 Dump truck

Special truck



Concrete Mixer Truck



Refrigerated Truck



Compactor Garbage Truck



Truck-mounted Crane

Engine

Emission	EngineCapacity	Model	Power / PS	Maximum Torque / N.m
EuroII	3.9	B125 33	125	410
	3.9	B140 33	140	450
	4.26	YC4E-33	160	520
	3.78	ISF3.8s5	168	600
Euro V	4.295	YCS04-50	170-220	550-850

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	8	8JS85E-C	Iron	850	Overspeed Gear	10.364	0.794
	8	8JS85F-C	Iron	850	Direct Gear	11.7	1

Drive Axle

Model	Type	Axle load/Ton	Torque/N.m	Speed RATIO
145	Single	8	18000	5.286
153	Single	10	30000	5.574/5.833/6.333

LIGHT DUTY TRUCK—9 Series

The 9 series trucks are compact, flexible, and with high-capacity. It is easy to drive, with better visibility and ergonomic features, and offers a fully electric power system.

SAGMOTO E9 All-wheel drive light trucks are the preferred choice for mountain and jungle operations, with stronger gradient and better passability.

Position

- For short-medium logistics
- For intercity cold chain
- For daily industrial products

Features

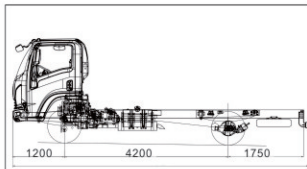
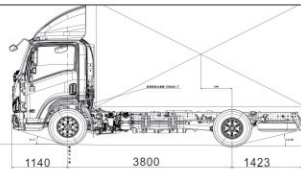
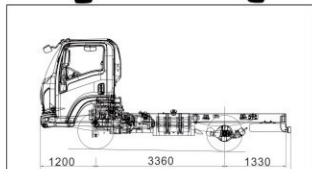
- Light weight for high mobility
- Easily modified for special use
- Equipped with 3L,4L,7L engines

Cabs

(X9)



(E9)



Driving Type



4x2 Lorry Truck



4x4 Lorry Truck



4x2 Dump truck



4x4 Dump truck

Special truck



Concrete Mixer Truck



Refrigerated Truck



Compactor Garbage Truck



Truck-mounted Crane

Engine

Emission	Engine Capacity	Model	Power / PS	Maximum Torque / N.m
Euro II	3.9	B125 33	125	410
	3.9	B140 33	140	450
	4.21	YC4D-33	130-140	380-420
Euro III	3.8	ISF3.8s3	141	450
	2.78	ISF2.8s5	129-161	280-360
Euro V	3.78	ISF3.8s5	141-168	450-600
	4.21	YC4D-50	140	450

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	6	C6J45TB	Aluminium	450	Overspeed Gear	6.154	0.8
	6	C6J55TB	Aluminium	550	Overspeed Gear	6.176	0.73
	8	8JS85E-C	Iron	850	Overspeed Gear	10.364	0.794
AMT	6	F6JZ55AY	Aluminium	550	Overspeed Gear	5.91	0.77

Drive Axle

Model	Type	Axle load/Ton	Torque/N.m	Speed RATIO
HDZ260	Single	3.5	11000	4.333
HDZ280	Single	6	14000	4.333/4.875
1068	Single	5	10000	5.375
1080	Single	6	18000	4.33/5.286/5.83/6.83
145	Single	8	18000	5.286
153	Single	10	30000	5.574/5.833/6.333

ELECTRIC TRUCK—i3

The i3 series products feature strong power, large carrying capacity, and low power consumption. The integrated powertrain, high-capacity battery, and intelligent locking system give it a leading edge over similar products in the industry.

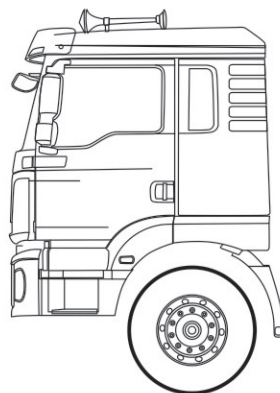
Position

- For daily industrial products
- For mining engineering transportation
- For urban construction transportation

Features

- Intelligent cockpit
- Smart powerdistribution & energy recovery
- Solid-state chassis

Cabs



RHD



LHD

Driving Type



6x4 Tractor



6x4 Dump truck



8x4 Dump truck



8x4 Dump truck

Drive motor

MODEL	Rated-peak Power(kW)	Rated-peak Torque(N·m)
TZ460XS-LKM2605	280/420	1500/2600
TZ460XS-LKM3102	315/510	1650/3100
TZ460XS-LKM3002	360/550	1640/3060

Battery

Brand	Type	Charging Performance
CATL	LiFePO ₄	331 kWh\352.08 kWh (cement mixer)
		400.61kWh\447.39kWh\528.13kWh (Tractor\Dumper)

Drive Axle

Model Brand	Type	Speed Ratio
HANDE	11.5T	5.286
	13T	5.286
	16T	5.286/6.733

ELECTRIC LIGHT TRUCK—i5

Ultra-light Weight & Ultra-low Energy Consumption: Through industry-leading technologies such as integrated e-drive axle, scenario-based calibration, efficient gear-shifting technology, refined control algorithms, and lightweight design, the vehicle achieves the number one ranking in China's industry for overall energy consumption.

Position

- For urban sanitation

Features

- IHande 11.5t Integrated E-Drive Axle (Motor & Gearbox)
- IMatched with CATL AD02 battery for longer range and lighter weight.
- IThe upgraded flat wire motor has a peak torque of 510 Nm

Cabs



Driving Type



4x2 Compressed garbage truck



4x2 Cleaning sweeper truck

Drive motor

MODEL	Rated-peak Power(kW)	Rated-peak Torque(N·m)
TZ230XSHD005	90/160	200/510

Battery

Brand	Model	Capacity
CATL	LiFePO ₄	200.92 Kw
		231.84 Kw

Drive Axle

Model	Type	Axle load/Ton	Output Torque	Speed Ratio
HDE260	Central Motor Reduction Drive Axle	11.5T	14000Nm	18.077

ELECTRIC LIGHT TRUCK—i9

i9 series electric light truck with long cruise distance, long warranty, more satisfied and safety.

Position

- For express delivery
- For supermarket distribution
- For cold chain

Features

- Integrated electric driving axle combines the motor with the rear axle
- Equipped with CATL 86.55kWh/100.46kWh LiFePO4 batteries
- Cruise distance can reach 280km-330km if fully charged (loaded with 4 tons of cargo)
- The upgraded flat wire motor has a peak torque of 360 Nm
- Charge from 10% -100% within 1 hour(750kw charging pile)

Cabs



Driving Type



4x2 Van truck



4x2 Refrigerated Truck



4x2 Stake truck

Drive motor

Model	Power / PS	Maximum Torque / N.m
TZ220XS-HD002	163	480

Battery

Brand	Model	Charging Performance	Charging Time
CATL	86.55kWh	Recharge:20%-80% (40min) charge:10%-100%(1h)	Direct current:30kWh/60kWh/120kWh/180 kWh Time: 4h/2h/1h/40min
	100.46kWh		

Drive Axle

Model	Type	Axle load/Kg	Torque/N.m	Speed RATIO
HDE220	Single	3.5T	11000	16.193

ELECTRIC LIGHT TRUCK— i9 lite

Position

- For urban residential transportation
- For short distance logistics

Features

- Side protection of power battery.
- the overall height of the vehicle is less than 2.16 meters.
- Cab width 1.9m, short wheelbase of 3.2m,6.8m minimum turning radius.

Cabs



Driving Type



4x2 Dump truck



4x2 Compressed garbage truck

Drive motor

Model	Rated-peak Power(kW)	Rated-peak Torque(N·m)
TZ375XSSF-SZF614	115/185	500/1000

Battery

Brand	Type	Capacity
CATL	LiFePO ₄	140.95 kWh

Drive Axle

Model Brand	Axle load/Ton	Speed Ratio
HANDE	6T	4.875

OFF ROAD TRUCK— OFFSET MINING DUMP TRUCK

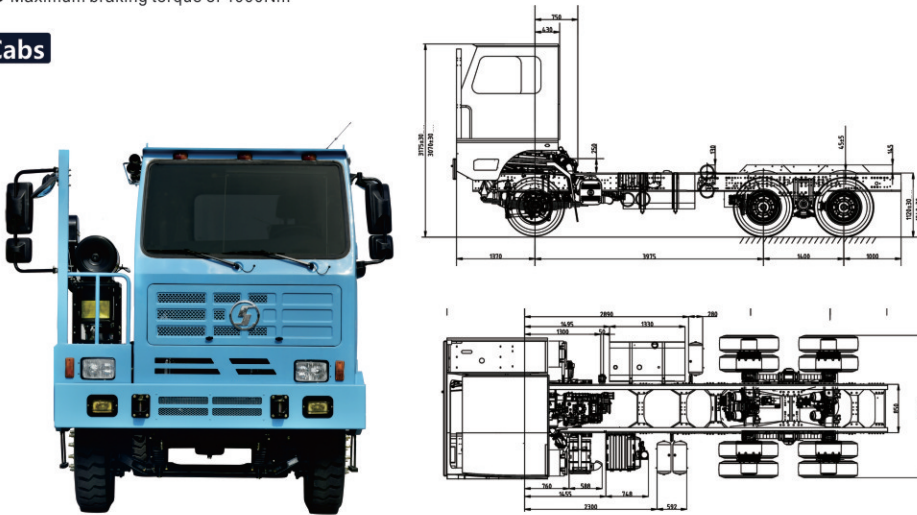
Off-road mining dump truck is customized for roadless/off-

road/mining conditions, with strong carrying capacity, high reliability, low failure rate, and flexible usage.

Features

- Greater carrying capacity ,higher attendance
- GVW up to 70 tonnes
- Adopting 850 wide-chassis structure
- Maximum braking torque of 4000Nm

Cabs



Driving Type



6x4 Dump truck

Engine

Emission	Engine Capacity	Model	Power / PS	Maximum Torque / N.m
Euro II	10.34	YC6MK375-33	375	1650

Transmission

Shift mode	Gears	Model	Shell material	Torque/N.M	Direct/overspeed Gear	1ST Gear Ratio	Top Gear Ratio
MT	7	7DS180	Iron	1800	Direct	9.14	1
MT	10	10JSD180T+QH50	Iron	1800	Direct	14.917	1

Drive Axle

Model	Type	Axle load/Ton	Torque/N.m	Speed RATIO
HDM300	Double	16	50000	6.733/5.92/5.262

