

X6000



2024



Wechat



Corporate Website



Facebook

www.shacman.com



6000 Series

Loading, leading

Pioneer of the intelligent era of trucking

CONTENTS

05
Intelligence

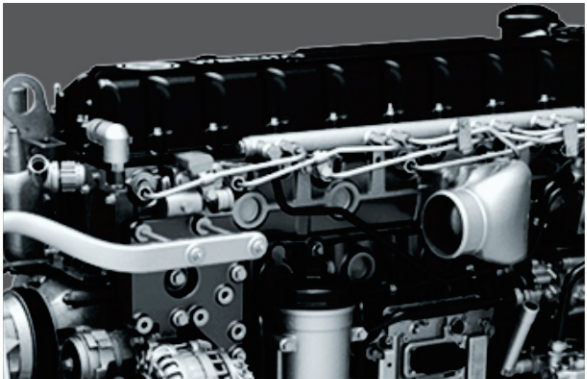


23
Smooth Ride



13
Comfort

27
Fuel Economy



19
Secure



33
Specification



Intelligence

A wise contemplator

This ruminative companion will always be able to consider
everything beforehand.



AI-CARE ADAS (advanced driving assistance systems)

Follow the guide, drive with ease

- Lane departure warning: when the vehicle deviates from the lane, a timely reminder is issued
- Forward collision warning: when the vehicle is too close to an object in front, a timely reminder is issued
- ACC: set the speed and distance, reduce driving fatigue and stress
- AEBS: front danger detection, automatic emergency braking
- A series of smart safety features: EBS, ESC, ASR, HAS





AI-CARE ASAS (advanced safety assistance systems)

Knowing the environment, knowing oneself

When its time to take a break

- Careful gaze: the A-pillar smart eye real-time captures driver's state and timely send reminders
- 24/7 focus: active infrared camera, normal operation at night

Holographic imaging, recognizing the real world

- 360° panoramic view
- 128 Gb storage card with 72 hours of HD video storage
- Adaptive dynamic perspective: smart scene switching perspective to reduce blind spots in the field of view
- Low-light camera: clearer at night

Best tire condition, best driving experience

- Smart constant pressure tire system: significantly reduce fuel consumption and shorten braking distance
- Smart tire pressure and temperature warning system: real-time alarm for abnormal pressure and temperature



AI-CARE AOAS (advanced operation assistance systems)

Automation, simplification

Surreal, imperceptible start

- PEPS system: approach to unlock and leave locked, just have your key in your pocket
- Remote key: one button for lock/unlock doors, one button for raising/lowering windows

Never look back, no matter when

- Electrical rearview mirror: 8° two-dimensional electric adjustment
- Electrically heated rearview mirror: extreme speed defogging
- Smart rearview mirror adjustment: safer reversing, wider vision

Facing the storm with composure

- Smart wiper: rainfall and speed perception, optimal auto mode
- Smart lighting: environmental information perception, auto headlights control



Comfort

A home away from home

During a long journey, halt in a right place. As the distance from home grows progressively farther, yet always indulging in the comforting familiarity.





Cozy to sit in, smooth to drive

- Comfortable shock-absorbing seat: electric heating & air suspended
- 12 comfort features: armrest, shoulder adjustment, one-touch release backrest, etc.

Cozy steering wheel, cozy control feeling

- Adjustable steering wheel
- 100mm telescopic stroke
- 38° maximum angle travel

Controls right at your fingertips*

- Arrangement of the gearshift lever
- Integrated gear shifting and switch design

*The shift lever is only available for AMT models

Dual-screen smart display, informative and entertaining

- Large display intelligent vehicle terminal
- Large LCD dashboard with 3 display style (Classic, Tech, Sport)

Focused when quiet

- Fully cab enclosed design: sealing performance is 30% better than the industry average, with an idle environment of only 49.8dB, providing an immersive experience similar to a library.

Easy to get on the cab

- Hidden two-level flip pedals
- Two-level handle



Mobile Cozy Home

- Passenger hidden work table
- 42L onboard refrigerator
- 850mm soft sleeper
- Bedside reading lamp
- 1000L large storage space
- 1.2KW inverter power supply
- Electric sunroof



Secure

A reliable broad shoulder

Imagining every solitary journey, where there is always a
broad and comforting shoulder to lean on.





Brand new platform, SSA top-level vehicle body

- H-type load-bearing longitudinal beam
- High-strength A-pillar
- Collapsible vehicle body suspension technology
- Compliant with ECE R29 03 collision regulations

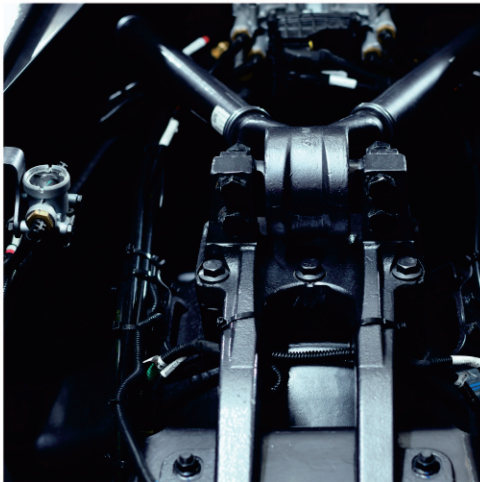
Urgent emergencies, calmly braking

- Whole vehicle disc brakes
- 1.3MPa top-level system pressure: braking response time reduced by 0.2 seconds*
- Industry-leading air tightness: WABCO EBS system
- Dynamic main and auxiliary brake linkage: dynamic adjustment of the ratio between cylinder brake and retarder brake to maintain optimal braking performance

*Compared to the main competitor

Light up the unknown

- Full LED lighting
- Broad night vision: high beam distance $\geq$ 160m, dipped headlight distance $\geq$ 30m





Smooth Ride

The steady joy

Having grown tired of traversing jarring paths, it is time to
relish in the comforting embrace of stability and joy.

Flexible support, dynamic balance

Air Magic Carpet

Twist spring type rear air suspension

- Dynamic vehicle height adjustment adapts to different road conditions
- 60kg lighter compared to the stable rod air suspension
- Effectively reduce road impact for protecting the safety of goods

Four-point air suspension of cab

- Powertrain vibration isolation rate increased by 30%
- Effectively reduce road bumps for a smooth drive

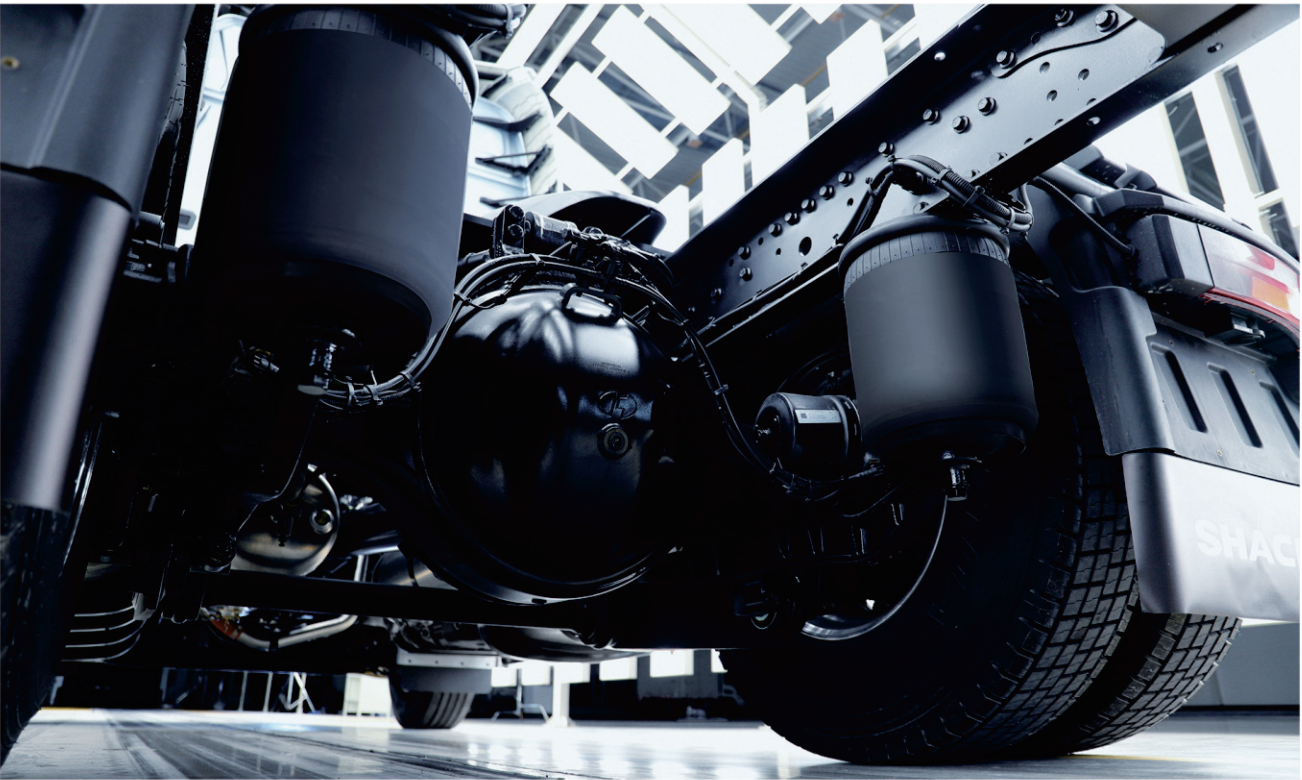
Customized tire tread

- Longitudinal pattern front wheel & block pattern rear wheel
- Comprehensive improvement of tires in driving, anti-slip, braking, heat dissipation, and wear resistance

Steady Fast Turn

Dynamic speed ratio linear steering technology & lateral stiffness synergistic control

- Maximum lateral acceleration of 0.6g and less than 6° vehicle body side tilt when turning
- 30% increase in lateral stability





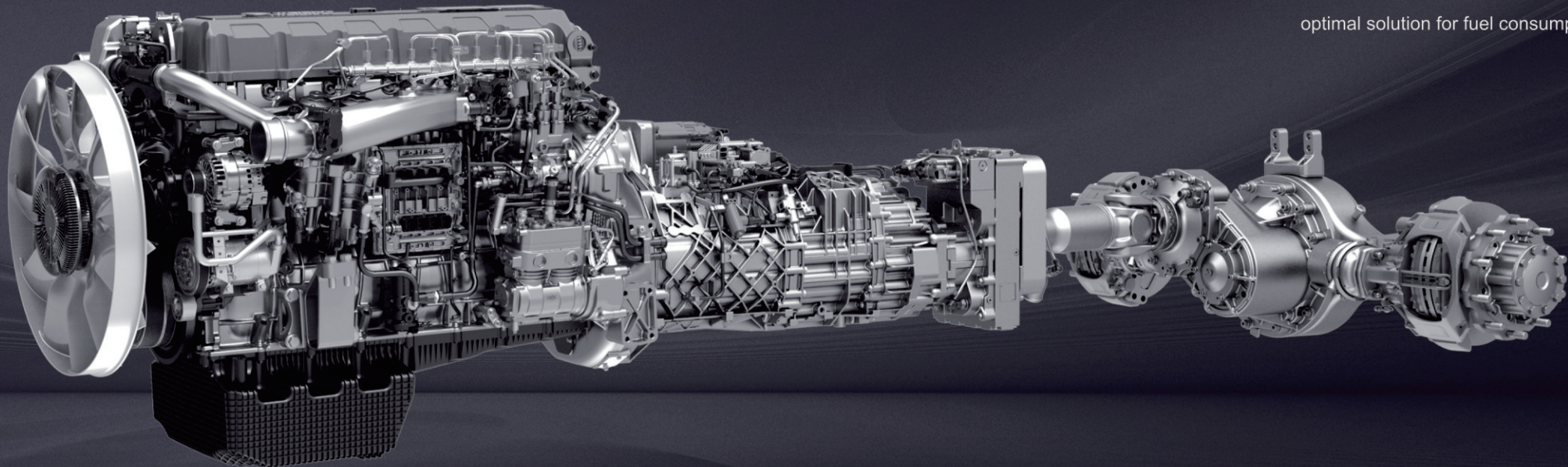
Fuel Economy

An outstanding economic planner

Great ideals are achieved step by step;
tremendous profits are derived from every penny saved.

Platinum Power Train

The renowned SHACMAN Golden Power Train has been upgraded again.
With top-level power technology in the industry, X6000 implements the optimal solution for fuel consumption and emissions.



Efficient Air Intake System

Good at breathing, help in burning

- Tangential intake air filter: super clean air intake
- Whole process air dehumidification system
- Low intake resistance: rated air flow of 2300m³/h

Efficient Power Source Engine

Surging power

- Low revs, yet high power

Every drop of, make good use of

- Smart boosting technology
- High-efficiency fuel injection technology

Smart temperature adjustment system

- Based on real-time vehicle data, achieving efficient cooling

Efficient Precision AMT Gearbox

Efficient transmission gear technology

- Refined processing gear with a transmission efficiency of 99.7%

Modular shift structure

- Reliable operation, easy maintenance and replacement

Efficient Transmission Axle

13 ton efficient drive axle

- High precision KC bearings, 97.2% transmission efficiency

Efficient Predictive Power Control

Road condition recognition, integrated decision-making

- Environmental recognition with high-precision maps
- Predictively adjusting vehicle power scheduling
- Low fuel consumption decision-making

Facing the wind, leading the wind

Shark streamlined cab

- 0.454 vehicle drag coefficient, 2.7%-5.3% fuel saving improvement

Dual-guided airflow design

- Underbody deflector & adjustable top deflector





X6000 Trailer Truck				
Drive		4x2	6x4	
GCW (t)		50	90	
Main configuration	Cab	Type	Extended high roof	
		Suspension	Air/Hydraulic suspension	
		Seat	Air main seat	
		Air conditioner	Electric automatic constant temperature AC	
	Engine	Model	M13/WP13/WP13H	
		Emmission standard	EURO V	
		Rated power (hp)	480/520/530/550/560	
	Transmission	Model	ZF AMT(12)/FAST AMT(16)/Eaton Endurant AMT(12)	
	Axle	Front axle	7.3t	9.5t
		Rear axle	13t single-stage	13t double-stage
		Ratio	2.533/2.643/2.846/3.364	4.266/4.769
		Brake	Full disc brake	Full drum brake
	Chassis	Dimension (mm)	(940-850) ×270 (single-layer 8)	(970-850) ×300 (8+5)
		Wheel base (mm)	3800	3450+1350
		Fuel tank	980L+400L aluminum alloy	
		Tire	315/70R22.5/315/80R22.5	315/80R22.5/12.00R20
		Suspension	Front - few leaf springs Rear - air suspension	Front and rear multi-leaf springs
Applicable condition	Applicable road condition		High-speed, high-grade highways	
	Economic/Max speed (km/h)		65-90/120	45-65/90
Basic equipment		Electric filp cab, power glass lift, electric heated mirrors, multi-function steering wheel, ventilated heated air seat, Hande maintenance-free axle, low temperature maintenance-free 220Ah battery, EBS + ESC		
Basic equipment		360° vision system, 10-inch LCD display, tire pressure monitoring system, driver fatigue monitoring system, individual warm air, folding desktop, 42L onboard refrigerator, 1200W power inverter, power sunroof, AEBS, ACC, LDWS+FCWS, Aluminum alloy rim, push button start, load self-weighing axle, centralized lubrication of saddle, SHACMAN Telematics		



Crystal White

Granite Grey

Aquamarine Blue

Sapphire Blue

Emerald Green

Ruby Red

