



SINOTRUK

SINOTRUK

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MOTORS

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T5G FIREBIRD



SINOTRUK



MOTORS

T5G FIREBIRD



AN ADVANCED TRUCK WITH MORE SAVINGS PER KILOMETRE!

- Euro 4 Engine
- 15% - 20% Less Fuel Consumption
- Up to 20% More Lighter
- Up to 20% More Payload
- Servicing at Every 15,000km Only
- 70% Less Servicing cost
- Ultimate Driver Comfort
- With ABS Braking System



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·6X4 Tractor

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·8X4 Mixer

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INTRODUCTION

The Sinotruk T-Series is one of the advanced trucks by Sinotruk which was manufactured to meet customer demands and variants. It comes with the most fuel economical, efficient and powerful engine and was designed to be the lightest truck possible in the Sinotruk series to meet the payload restrictions in various countries.

The T5G Firebird was introduced in Fiji in the early 2020 and has proven to be the most sort after brand lately.

Packed with efficient European engine, axles and Steering with high performance powertrain. The chassis is the lightest truck in Sinotruk category to provide more payload to the owners maximizing their revenue per trip. It also has a servicing interval of every 15,000kms thus providing huge savings on repair and maintenance.

Tested to Fiji conditions for at least one year, this robust series has proven itself to be one of the most efficient and durable brands in Fiji. Durable combinations available in Cargo, Tractor h, Dumper, Freezer, Mixer etc.

With modern design exterior and probably one of the most comfortable cabins you can experience, this is the most advanced truck to suit your everyday needs.

T5G
FIREBIRD



CABIN COMFORT AND SAFETY AS STANDARD

SPACIOUS INTERIOR WITH MORE COMFORT AND ADVANCED CABIN.



Ergonomics-oriented design: instrument switches and door switches are laid out reasonably, while electric doors and windows, electrical rear mirrors are easy to operate; steering wheel is pneumatically controlled so that it could be adjusted by height and angle, contributing to high degree of ergonomics.

Super-wide sleeper: the berth 750mm wide, is the widest in the current domestic medium and heavy-duty truck market. And the berth width of standard cab can be up to 500mm, creating a comfort and homelike feeling.

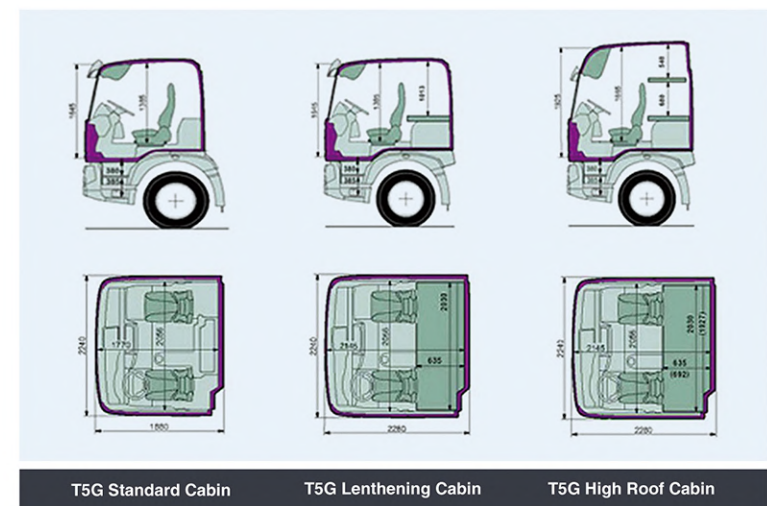
More storage space: double toolbox, upper glove compartment and storage spaces designed on the instrument panel, door lights and multiple locations make the placement of various tools and belongings more convenient.



Pneumatic shock-absorbing seat: offering nine directions adjustment including front and back position of the seat, height of the seat, backrest angle, cushion height, front and back position of lumbar support, so as to fit in the needs of different drivers, making driving more comfortable and lowering fatigue. Four-point suspended cab is equipped with spiral-spring and air-suspension shock absorber, making the cab jump range reach $\pm 45\text{mm}$.



The cab shows great originality in design and presets strong European style. It conforms to the European truck cab strength standard ECE R29 with the help of its roof, side wall and rear wall which are made of welded double-layer steel plate bonded by superglue, the floor provided with both the side member and cross member which makes the cab body enjoy high stiffness and strength, and the hollow-out design of inner plate which reduces the cab weight. The cab suspension is of full-floating type.



• LONGER MAINTENANCE INTERVAL MILEAGE

The oil change interval of axle, engine and transmission reaches 100,000 miles, realizing long oil change interval and high attendance.

• HIGHER TRANSMISSION EFFICIENCY

Precise and reasonable matching, advanced technology and processing technique make the transmission efficiency better for the whole powertrain, saving the costs making more efficient.

• POWERTRAIN IS MORE REASONABLE

The whole powertrain has gone through vigorous theory verification and various complicated field validation. Every assembly in the powertrain fully plays its superior performance, truly realizing reasonable match and the best use of every part.

POWERTRAIN

EFFICIENT AND ENVIRONMENT-FRIENDLY

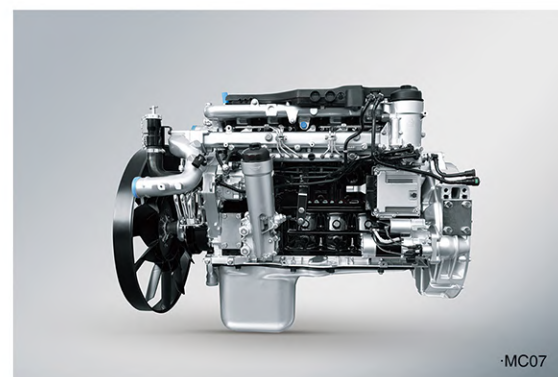


ADVANCED ENGINE TECHNOLOGY

STRONG POWER, ENERGY SAVING AND ENVIRONMENTAL PROTECTION

The electrical controlled MC05, MC07 common rail high pressure engine (Euro 4 -Emission Standard) with the most advanced technology in the world introduced by SINOTRUK exclusively. Engine power is 140 - 340 HPS.

Domestically made MC05/MC07 diesel engine is equipped, and with the torque ranging from 570 Nm to 1,250 Nm and the power from 140 Ps to 340 Ps, it can be accelerated faster. With the help of the application of brand-new combustion principle which reduces the fuel consumption and improves the engine efficiency, the engine has very high fuel economy. Meanwhile, its new high-strength material and modularized design not only simplify the engine structure but also enhance the strength of engine block. MC07 series engines adopt integral cylinder head and certain bolting technology, which makes it have high strength, reliability and tightness. The engine cylinder block can be equipped with dry-type cylinder liner or without liner (note: no cylinder liner for 300 bhp and above model). For the engine cylinder block without liner, the liner bore working surface has been honed with ceramics, which achieves optimum wear resistance and fuel consumption. Moreover, MC07 series engines are equipped with the second generation of Bosch common-rail fuel injection system which has better performance. Specifically, the completely enclosed structure makes the crankcase more economical and environment friendly. Depending on the service environment and the quality of fuel and lubricating oil, the maintenance period of the engine can be up to 120,000 km.



·MC07

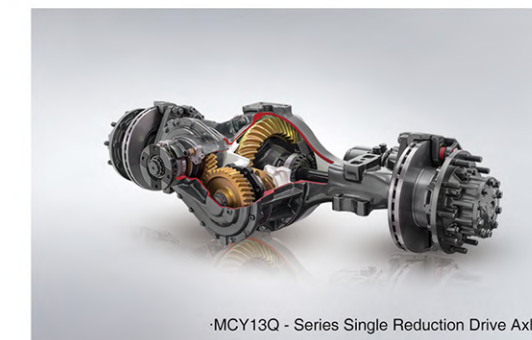


·MC05

AXLE

MCY11, MCY13Q are used for tractors. MCJ12 rear axle, outsourcing rear axles like Model 153 and 457 and outsourcing single rear axle like Model 1118 are used for non-tractors.

T5G product is equipped with MCY13 series single reduction drive axles which are provided with the final drive with reasonable structure and good bearing stiffness, thus, the gear life can be prolonged effectively. The final drive bevel gear is made of Oerlikon gear which boasts high processing efficiency. The final drive and hub conical bearings are of famous international brands, and are characterized by low friction, less noise and long life. And the hub bearing applies bearing unit which features easy assembly, long service life and convenient maintenance. In addition, the input shaft is supported by tapered roller bearing and the through shaft is equipped with double row bearing. The lightweight press welding axle housing has reasonable structure and high strength. Disc brake and drum brake are optional and can achieve high braking performance. Moreover, Oil filter is provided to ensure the cleanliness of gear oil and prolong the life of gears and bearings. Bogie differential lock is provided as standard configuration and inter-wheel differential lock is optional.



·MCY13Q - Series Single Reduction Drive Axle



·MCY11 - Single Reduction Drive Axle

FRAME

T5G product is equipped with high-strength frame made of high-strength material. The steel pipe type frame has the first front crossmember with high torsional strength. The front towing hook and cross member apply integrated design. In addition, finite element analysis has been made to optimize the design, which not only ensures the frame strength but also reduces its dead-weight.

OTHER PARTS

T5G product adopts critical valves all of which, manufactured by WABCO, have high performance and reliability and follow the same technical requirements as those in Europe. The nylon pipe joint and related components are all the 230 quick couplings manufactured by VOSS. The quick couplings have excellent sealing property and thus ensure the safety of the brake system reliably. The intake duct and air filter of the intake system are arranged in combination with German technology, presenting beautiful and simple style. And the exhaust pipe is made of steel pipe with diameter of 110 mm, which not only ensures the exhaust performance but also reduces the cost. In addition, the metal hose is Westfalia product which has good flexibility. The tractor truck is provided with lightweight 400 L aluminum alloy fuel tank as standard configuration. Moreover, all T5G products apply traditional electrical system structure which features convenient service and maintenance and high reliability.



FIREBIRD T5G SERIES the new generation is assembled with high safety, reliability and economy, are manufactured by SINOTRUK by introducing the German technology, manufacturing equipment and factory inspection standards and combining with Chinese unique situation and over 90 years' experience in manufacturing heavy-duty trucks.



T5G

6X4 TRACTOR



• Specifications

Gross Weight	32000 KG
Cabin	T5G - W
Engine	MC-07 Turbo Charged
Emission Standard	Euro 4
Horsepower	340 HP
Displacement	6800 CC
Brakes	WABCO Double Circuit Air & ABS
Transmission	10 Speed High/Low
Suspension	Front Rear Leaf / Air
Steering	BOSCH steering
Seat	Air Comfort. Height/Angle Adjust
Windows	Electric power
Turntable	Jost
Cruise Control	Equipped
Tyres	1100 R 22.5
Air Horn	Equipped

T5G

4X2 RIGID TRUCK



• Specifications

Gross Weight	17500 KG
Cabin	T5G - M
Engine	MC-05 / MC-07 Turbo Charged
Emission Standard	Euro 4
Horsepower	210/240 HP
Displacement	4580 CC
Brakes	WABCO Double Circuit Air & ABS
Transmission	6 Speed MT / 10 Speed AMT

Suspension	Front Rear Leaf / Air
Steering	BOSCH steering
Seat	Air Comfort. Height/Angle Adjust
Windows	Electric power
Mirrors	Electric
Cruise Control	Equipped
Tyres	900R20 / 1000R20 / 1100225
Air Horn	Equipped



• Specifications

Gross Weight	32000 KG
Cabin	T5G - W
Engine	MC-07 Turbo Charged
Emission Standard	Euro 4
Horsepower	340 HP
Displacement	6800 CC
Brakes	WABCO Double Circuit Air & ABS
Transmission	10 Speed High/Low

Suspension	Front Rear Leaf / Air
Steering	BOSCH steering
Seat	Air Comfort. Height/Angle Adjust
Windows	Electric power
Mirrors	Electric
Cruise Control	Equipped
Tyres	1100R22.5 / 1100R20
Air Horn	Equipped

T5G

8X4 RIGID TRUCK

T5G

TIPPER TRUCK

• Specifications

Gross Weight	32000 KG
Cabin	T5G - W
Engine	MC-07 Turbo Charged
Emission Standard	Euro 4
Horsepower	340 HP
Displacement	6800 CC
Brakes	WABCO Double Circuit Air & ABS
Transmission	10 Speed High/Low
Suspension	Front Rear Leaf / Air
Steering	BOSCH steering
Seat	Air Comfort. Height/Angle Adjust
Windows	Electric power
Mirrors	Electric
Cruise Control	Equipped
Tyres	1100R22.5 / 1100R20
Air Horn	Equipped



•T5G 6X4 TIPPER TRUCK

•T5G 8X4 TIPPER TRUCK



T5G

8X4 MIXER SERIES

• Specifications

Gross Weight	32000 KG
Cabin	T5G - W
Engine	MC-07 Turbo Charged
Emission Standard	Euro 4
Horsepower	340 HP
Displacement	6800 CC
Brakes	WABCO Double Circuit Air & ABS
Transmission	10 Speed High/Low

Suspension	Front Rear Leaf / Air
Steering	BOSCH steering
Seat	Air Comfort. Height/Angle Adjust
Windows	Electric power
Bowl	4CBM, 6CBM, 8CBM, 10CBM
Cruise Control	Equipped
Motor	Eaton
Pump	Eaton



T5G

SPECIAL VEHICLE SERIES

