



SITRAK-G7S

8x4 Tipper Cab & Chassis

SITRAK

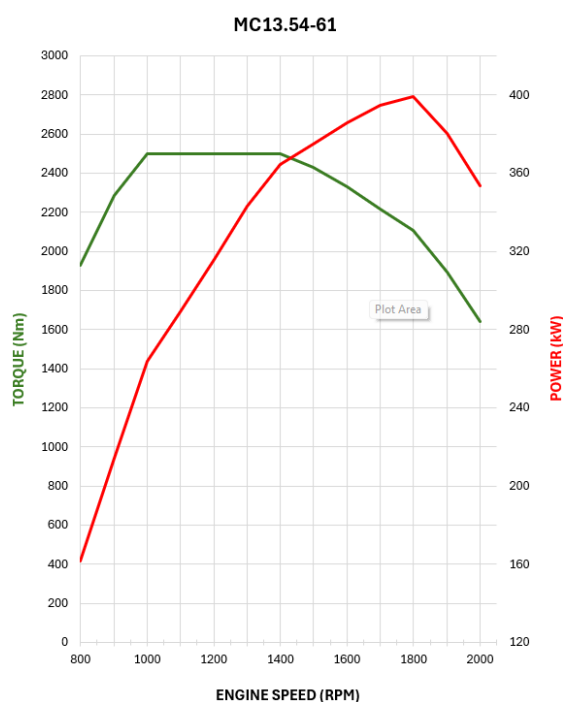
SPECIFICATIONS G7S 8x4

ENGINE

540 hp Euro 6 German Technology MC13.54-61

Type: 6-cylinder 24 valve SOHC
Total Displacement: 12.420 litre
Power Rating: 397 kw @ 1800 rpm
Maximum Torque: 2500 Nm @ 1000-1400 rpm
Emissions Technology: Selective Catalytic Reduction and Diesel Particulate Filter

Exhaust: Catalytic muffler with SCR catalyser and Diesel Particulate Filter



TRANSMISSION

12-speed ZF Traxon Automated Manual Transmission (AMT)

Model: 12TX2621TD
Type: 12 Speed AMT
Forward Ratio: 16.69, 12.92, 9.93, 7.69, 5.89, 4.57, 3.66, 2.83, 2.17, 1.68, 1.29, 1.00
Reverse Ratio: 15.54, 12.03
Operation: 2-pedal operation with automatic and manual shift control
Power Take Off: ZF NH/4C (Optional)

CHASSIS

Type: Trapezium frame
Dimensions: 300 x 80 x 8 mm steel channel
Chassis Width: 940mm (front)
850mm (rear)

Front Underrun Protections (FUP)

STEERING

Type: Bosch HD steering gear with gear driven pump
Gear Ratio: 17.00~20.00:1
Wheel Lock Angle: Axle 1: 43.0° (inside), 36.0° (outside)
Axle 2: 35.0° (inside), 28.0° (outside)

FRONT AXLE & SUSPENSION

Type: VPD71DS (Disc)
Load Sharing: Front load share suspension
Capacity: 7.0/7.0 tonne
Suspension Type: Non-Independent 3 parabolic leaf springs with hydraulic shock absorbers fitted to both axles

REAR AXLE & SUSPENSION

Type: MCY13BES (Disc)
Capacity: 18.0 tonnes
Ratios: 3.08 (optional: 3.36, 3.7, 4.11, 4.63, 5.29)
Suspension Model: Sinotruk Air Ride
Type: 8 bag with ECAS to control ride height
Differential: Driver controlled inter-axle lock and differential lock

BRAKES

Type: Full air front and rear disc brakes
Control: Wabco EBS/ESC/ASR/HSA
Park Brake: Spring Brake acting on axle 3 & 4
Auxiliary Braking: 2 stage air-controlled exhaust brake and 5 stage retarder
Front Diameter: 430 mm disc
Rear Diameter: 375 mm disc

FUEL CAPACITY

G7S 8x4: 600 litre rectangular aluminium tank (LHS)
90 litre AdBlue tank (LHS)

ELECTRICAL SYSTEM

Type: Double/Control Positive Pole
Voltage: 24 Volt
Batteries: 2 x 12V 240 Ah (1000CCA) Deep Cycle with isolator switch
Alternator: 28 Volt – 120 Amp
Starter: 24 Volt – 5.5 kW
350 Amp Anderson Plug
CAN bus access plug for telematics (optional)

WHEELS & TYRES

Wheel Type: 10-stud 335 mm alloy
Rim Size: 22.5x9.0 (front)
22.5x8.25 (rear)
Tyres: 295/80 R22.5 (front)
11R22.5 (rear)
Tyre Rating: 14,200 kg at 130 PSI (front)
23,200 kg at 125 PSI (rear)



CAB FEATURES

- 90° opening doors with electronically operated windows
- Anti-slip steps
- Auto and rain sensing windscreen wipers with two speed selection and adjustable intermittent mode
- Central locking and immobiliser
- Class V and Class VI mirrors (LHS kerb and front kerb mirrors)
- Cornering fog lamps
- Daytime Running Lights (DRL)
- Electrohydraulic cab tilt
- Exterior temperature sensor
- Four-point cab mounting system with air bag suspension
- Heated and electric exterior mirrors with independent convex "spotter" mirror
- Translucent sun visor

CAB INTERIOR FEATURES

- 12.2" Multimedia touchscreen Radio/Wi-Fi/Bluetooth and steering wheel controls
- 240V Power outlet (1000W max)
- 360° Birdseye view camera: front, rear and side facing including recording
- Air adjusted tilt and telescopic steering wheel
- Apple CarPlay
- Automatic climate control
- Courtesy and reading lights
- Dual zone drawer fridge/freezer (30L combined)
- Fully adjustable self-levelling air suspension driver's and passenger seat with headrest, armrest, heated and ventilated (driver only), adjustable damper and integrated lap-sash retractor seat belt
- Interior LED trim lighting
- Overhead storage compartments, centre console drawer and tray, dual cupholders, door pockets.
- Sleeper cab air conditioning
- USB and cigarette lighter power outlets

DRIVER CONTROL FEATURES

- Air horn switch
- Active cruise control/cruise control switch
- Combination switches controlling exhaust brake, manual gear selection, retarder, turn indicators and windscreen wipers
- DPF regeneration and override buttons
- Fuel primer switch (automatic off)
- Hazard lights
- Headlight levelling switch
- Rotary style gear selector with crawler gear selector

ADVANCED SAFETY FEATURES

- Adaptive Cruise Control (ACC)
- Automatic Emergency Braking (AEB)
- Blind Spot Camera (turn signal triggered)
- Front Collision Warning System (FCWS)
- Hill Start Assist (HAS)
- Lane Departure Warning (LDW)

DIGITAL CLUSTER

- Active Cruise Control display with distance and speed readout
- AdBlue gauge
- Air Pressure gauges (tank 1 and tank 2)
- Coolant temperature
- Driver profiles
- DPF filter gauge
- Engine hour meter
- Fuel consumption
- Fuel gauge
- Multimedia display
- Speedometer with digital read out
- Tachometer
- Trip meter

WARRANTY AND ROADSIDE ASSISTANCE

Standard Factory Warranty* (whichever comes first):

3 years or 600,000km

Driveline Warranty (whichever comes first):

3 years or 1,000,000km

Warranty on Dealer Fitted Accessories:

12 months unlimited kilometres



*Warranty on batteries is 12 months from delivery date

DIMENSIONS

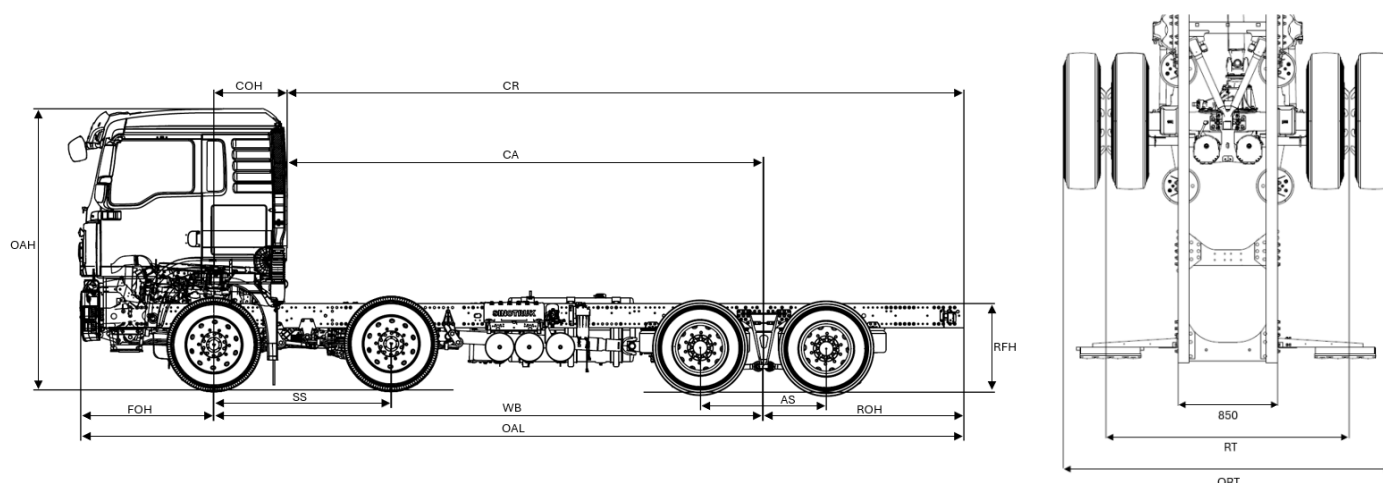
Measurements in mm/Weights in kg

Chassis Model	G7S 8x4	
Overall length (OAL)	9,075	
Nominal Body Length (CA+WBx0.6 -100)	8,535	
Front Overhang (FOH)	1,492	
Wheelbase (WB)	5,900	
Steer Spread (SS)	1,800	
Bogie Axle Spread (AS)	1,400	
Rear Overhang (ROH)	1,700	
Cab Overhang (COH)	805	
Cab to Axle (CA)	5,095	
Cab to Rear (CR)	6,795	
Front Track (FT)	2,045	
Rear Track (RT)	1,858	
Outer Rear Track (ORT)	2,469	
Ground Clearance [^]	Front	300
	Rear	215
Turning Circle	Kerb to Kerb	20,784
	Wall to Wall	22,672
Approach Angle (°)	16	
Departure Angle (°)	24	
Cab Height (OAH) ^{^*}	Unladen height	3,530
	Laden Height	3,450
Cab Width (CW)	2,440	
Front Suspension Height [^]	Unladen	1,158
	Laden	1,078
Rear Suspension Height [^]	Unladen	1,075
	Laden	1,040
Rear Frame Height (RFH) [^]	1,075	
Chassis Width	850	
Mass Rating	GVM	31,000
	GCM	75,000
Chassis mass front [#]	6,480	
Chassis mass rear [#]	3,280	
Chassis mass total [#]	9,760	

[^]Measurement based on front axle tyres 295/80R22.5 and rear axle tyres 11R22.5

[#]Weights are to standard configuration and include cab chassis with no driver and 10L of fuel

*Cab Height does not include roof top parking air conditioner height



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