



SITRAK-G5S

6x4 Tipper Cab & Chassis



SPECIFICATIONS G5S 6x4 SWB

ENGINE

310 hp Euro 6 German Technology MC07H.31-61

Type: 6-cylinder 24 valve SOHC

Total Displacement: 7.360 litre

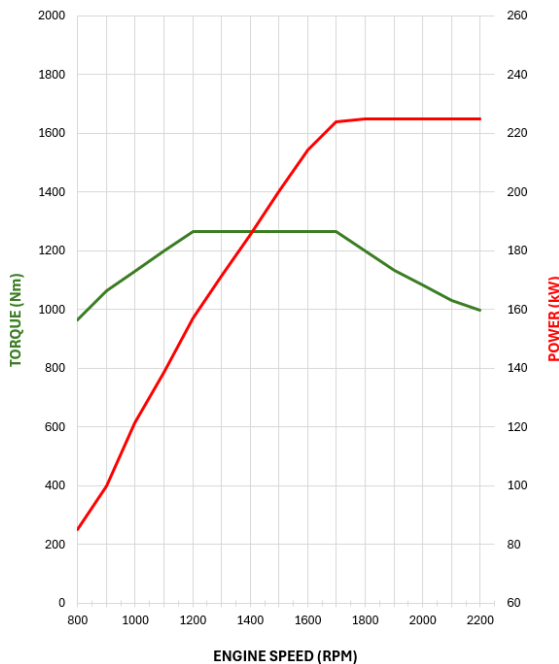
Power Rating: 228 kw @ 2200 rpm

Maximum Torque: 1250 Nm @ 1200-1700 rpm

Emissions Technology: Selective Catalytic Reduction and Diesel Particulate Filter

Exhaust: Catalytic muffler with SCR catalyser and Diesel Particulate Filter

MC07H.31-61



TRANSMISSION

6-speed Allison Automatic

Model: 3200P Series

Type: 6 Speed Automatic

Forward Ratio: 3.49, 1.86, 1.41, 1.00, 0.75, 0.65

Reverse Ratio: 5.03

Operation: 2-pedal operation with automatic and manual shift control

Power Take Off: Parker Cheslea 871 Series (Optional)

CHASSIS

Type: Trapezium frame

Dimensions: 280 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: 22.20~26.20:1

Wheel Lock Angle: 43.0° (inside), 33.0° (outside)

FRONT AXLE & SUSPENSION

Type: VPD71DS (Disc)

Capacity: 7.0 tonne

Suspension Type: Non-Independent 3 parabolic leaf springs with hydraulic shock absorbers

REAR AXLE & SUSPENSION

Type: MCY11BES (Disc)

Capacity: 18.0 tonnes

Ratios: 5.29 (optional: 3.08, 3.36, 3.7, 4.11, 4.63)

Suspension Model: Hendrickson Comfort Air

Type: 4 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

Park Brake: Spring Brake acting on axle 2 & 3

Auxiliary Braking: Air controlled exhaust brake

Front Diameter: 430 mm disc

Rear Diameter: 375 mm disc

FUEL CAPACITY

6x4 SWB: 300 litre rectangular aluminium tank (RHS)
45 litre AdBlue tank (LHS)

ELECTRICAL SYSTEM

Type: Double/Control Positive Pole

Voltage: 24 Volt

Batteries: 2 x 12V 180 Ah (1080CCA) with isolator switch

Alternator: 28 Volt – 110 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 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 mechanical suspension and dampers
- Heated and electric exterior mirrors with independent convex "spotter" mirror
- Sunroof
- Translucent sun visor

CAB INTERIOR FEATURES

- 12.2" Multimedia touchscreen Radio/Wi-Fi/Bluetooth and steering wheel controls
- 360° Birdseye view camera: front, rear and side facing including recording
- Air adjusted tilt and telescopic steering wheel
- Apple CarPlay
- Automatic climate control
- Centre console fridge/freezer (optional)
- Courtesy and reading lights
- Fully adjustable ISRI self-levelling air suspension driver's seat with headrest, armrest, heated and ventilated, adjustable damper and integrated lap-sash retractor seat belt
- Interior LED trim lighting
- Overhead storage compartments, push out tray, cupholders and door pockets.
- USB and cigarette lighter power outlets

DRIVER CONTROL FEATURES

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

ADVANCED SAFETY FEATURES

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

DIGITAL CLUSTER

- 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
- Transmission oil life
- Transmission oil level
- 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

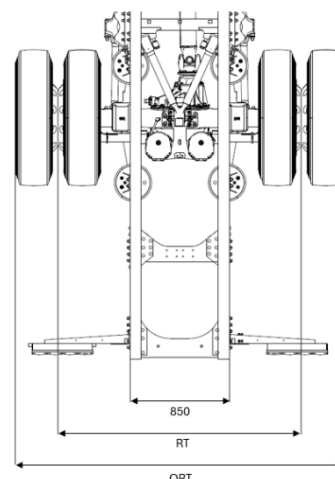
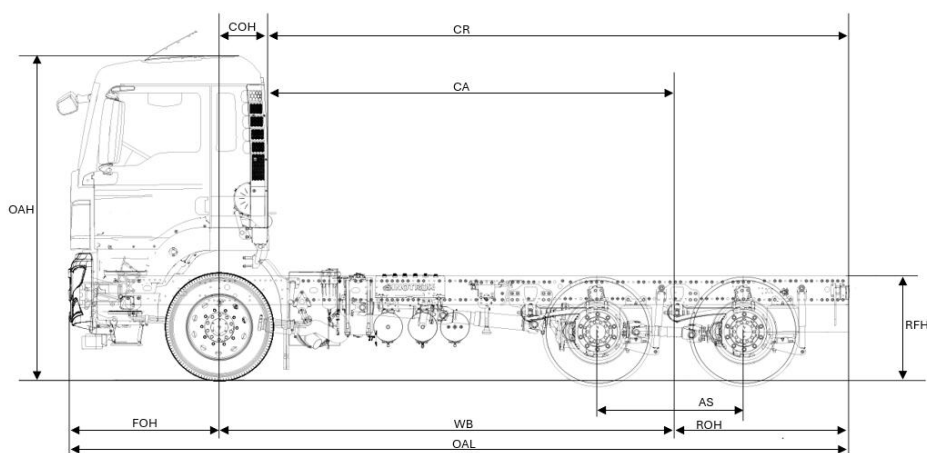
Measurements in mm/Weights in kg

Chassis Model	G5S 6x4 SWB	
Overall length (OAL)	7,430	
Nominal Body Length (CA+WBx0.6 -100)	6,320	
Front Overhang (FOH)	1,430	
Wheelbase (WB)	4,300	
Bogie Axle Spread (AS)	1,400	
Rear Overhang (ROH)	1,700	
Cab Overhang (COH)	460	
Cab to Axle (CA)	3,840	
Cab to Rear (CR)	5,540	
Front Track (FT)	2,035	
Rear Track (RT)	1,850	
Outer Rear Track (ORT)	2,493	
Ground Clearance [^]	Front	295
	Rear	290
Turning Circle	Kerb to Kerb	16,094
	Wall to Wall	17,886
Approach Angle (°)	13	
Departure Angle (°)	33	
Cab Height (OAH) [^]	Unladen height	3,145
	Laden Height	3,075
Cab Width (CW)	2,240	
Front Suspension Height [^]	Unladen	1,048
	Laden	978
Rear Suspension Height [^]	Unladen	1,020
	Laden	1,000
Rear Frame Height (RFH) [^]	1020	
Chassis Width	850	
Mass Rating	GVM	25,000
	GCM	TBC
Chassis mass front [#]	4,150	
Chassis mass rear [#]	3,100	
Chassis mass total [#]	7,250	

*Nominal body length calculated at maximum 3.7m rear overhang

[^]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



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