

ISUZU SPG 540

TWIN STEER CHASSIS

TILT CAB

SPG 540



GVM 18450kg (40675 lb.) GCM 34000kg* (74957 lb.) WITH 10.00 x 20-12 TYRES

ENGINE:

Model: Isuzu E120 diesel engine.
 Type: 4-cycle overhead valve, in line, direct injection.
 Number of cylinders: 6.
 Bore and stroke: 135 mm (5.31 in.) x 140 mm (5.51 in.)
 Displacement: 12023 cm³ (733.6 CID).
 Max. net power: Din 165 kW (221 bhp) @ 2300 rpm.
 Max. net torque: Din 770 Nm (56.8 lb./ft.) @ 1400 rpm.
 Compression ratio: 16.5:1.
 RAC rating: 67.7.

ENGINE LUBRICATION:

Type: Pressure feed with full flow paper element and partial flow depth type oil filter. Oil cooler.
 Capacity: 24 litres (42.2 Imp. pts.)

FUEL SYSTEM:

Injection pump: Reformed Bosch in-line type with mechanical governor.
 Fuel tank capacity: 200 litres (44 Imp. gals.)

AIR CLEANER

Donaldson Cyclopac, 2 stage type with vertical air intake (model HFA-12) with safety element.

AXLE FRONT:

Capacity: 6000 kg (13228 lb.) each axle. 12000 kg (26456 lb.) total. Type: Reverse Elliott 'T' Beam.

AXLE REAR:

Capacity: 11500 kg (25353 lb.) Type: Single reduction, spiral bevel gear, banjo full floating. Ratio: 6.666:1.
 With optional RT09513 transmission ratio 4.875:1.

BRAKES, SERVICE:

Type: Air over hydraulic. Dual circuit. Exhaust brake. Total lining area: 7400 cm² (1147 sq. ins.)
 With RTO 9513 transmission

Type: Full air. Dual circuit. Exhaust brake.

BRAKE, PARKING/EMERGENCY:

Type: Mechanical internal expanding at rear of transmission.
 With RTO 9513 - Spring/air

CLUTCH:

Type: Air assisted, hydraulically operated dry single plate with 6 cushioning springs. Size, outside diameter: 410 mm (16.1 ins.). Total frictional area: 1578 cm² (244.6 sq. ins.).

COOLING SYSTEM:

Radiator: Pressure type, tube and corrugated fin.

DRIVE LINE:

Type: Tubular shafts, needle bearing universal joints. 3 shafts with centre bearings.

FRAME:

Ladder type with double channel section side members and 7 cross members: Width: Front 900 mm (35.43 ins.), Rear 811 mm (31.93 ins.). Dimensions: 250 mm (9.84 ins.) x 85 mm (3.35 ins.) x 6 mm (0.24 ins.).

SPRINGS:

Type: Semi-elliptic alloy steel leaf springs.
 Size: Length x width - No. of leaves.
 Front: Forward and rearward, 1600 mm (63 ins.) x 80 mm (3.2 ins.) - 7.
 Capacity at ground 4000 kg each.
 Rear 1420mm (55.9 ins.) x 100 mm (3.9 ins.) - 8. Capacity at ground 7850 kg.
 Rear auxiliary: 980 mm (38.6 ins.) x 100 mm (3.9 ins.) - 6.
 Shock absorbers: Double acting hydraulic telescopic.

STEERING:

Model: Twin steer - dual front axles.
 Type: Recirculating ball with linkage-type power assist.
 Ratio: 30.0:1.
 Wheel diameter: 503 mm (19.8 ins.).

TRANSMISSION:

Type: Model MAB6Q, 6-speed overdrive, floor mounted, synchromesh on 2nd, 3rd, 4th and 5th. Complete with power take-off on LHS of transmission.

Ratios (to 1):

1st	2nd	3rd	4th	5th	6th	Reverse
6.307	3.811	2.313	1.449	Direct	0.745	6.622

OPTIONAL TRANSMISSION:

Type: Fuller Roadranger 13 speed overdrive (RTO 9513)
 Ratios (to 1):

1st	2nd	3rd	4th	5th	6th	7th		
12.50	8.35	6.12	4.56	3.38	2.47	2.14		
8th	9th	10th	11th	12th	13th	Rev.	Low Rev.	
1.81	1.57	1.35	1.17	1.00	0.87	3.87	13.07	

WHEELS AND TYRES:

Dual rear wheels.
 Tyres: 10.00 x 20 - 12 ply.
 Wheels and rims: 9/7.00 T x 20, 162 mm offset, 8 stud, 6.4 offset.
 Spare wheel, tyre and lifting-type carrier.

STANDARD EQUIPMENT:

Tilt cab. Sleeper bed. Tempered side and rear glass. Suspension seat - driver's side. Ventilation system. Laminated windscreen. Two-speed triple blade windscreen wipers. Windscreen washers. Kilometer speedometer/odometer. Oil pressure, charging, clogged oil filter and exhaust brake warning lights. Fuel, water temperature and oil pressure gauges. High beam and turn signal indicator lights. Reversing lights. General hand tools. Hydraulic jack and tools. Starting heater control. Fuel shut-off device. Tachometer. Tachograph. Dual tone electric horn. Battery isolating switch. Heater/demister. Radio. Ash tray, cigarette lighter, glove compartment. Power take-off. Internal and external rear vision mirrors. Seat belt. Hazard warning flashers. Engine over-run warning device.
 Tyre inflator device.

GMH HEAVY COMMERCIAL WARRANTY

The Isuzu SPG540 is covered by the GMH Heavy Commercial Warranty which provides coverage for the first 12 months or 20,000 to 150,000 kilometres. Full details can be obtained from your GMH-Isuzu Dealer.

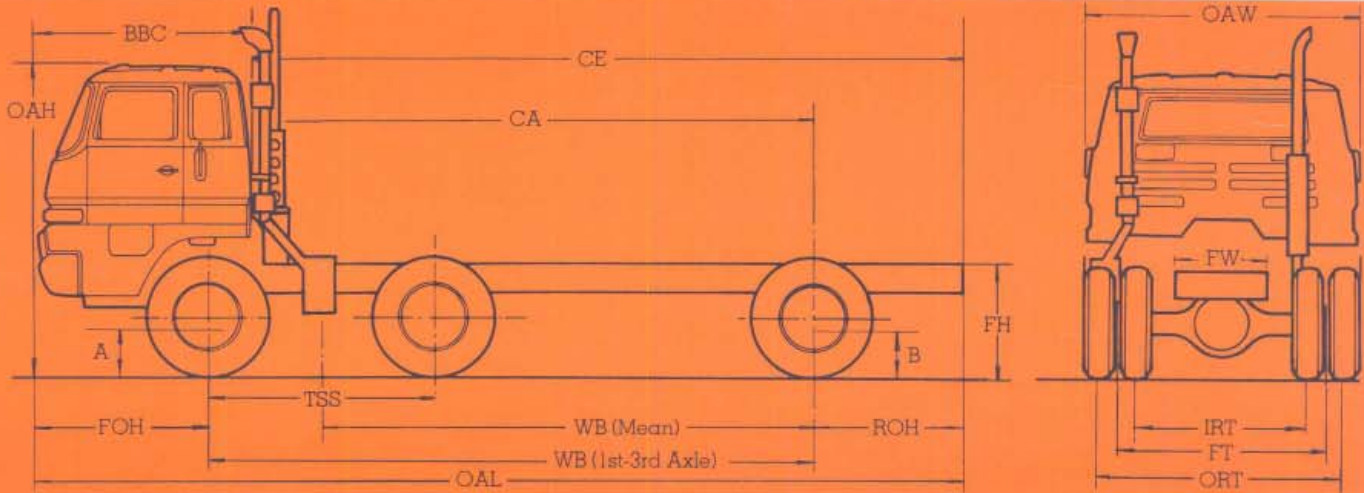
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*36,000 kg GCM on 10.00 x 20 - 14 tyres in those areas where NAASRA is implemented or permits are granted.

GMH GMH
TRUCKPOWER.
Chevrolet. Isuzu. Bedford.
 General Motors-Holden's Sales Pty. Ltd.

ISUZU SPG540 TWIN STEER CHASSIS TILT CAB

DIMENSIONS/CHASSIS WEIGHTS



LENGTHS:

			mm	inches
Wheelbase	Mean	WB	4400	(173.23)
	1st-3rd Axle	WB	5400	(212.60)
Front overhang		FOH	1500	(59.05)
Rear overhang		ROH	1275	(50.19)
Bumper — back of cab		BBC	1880	(74.02)
Cab — axle (3rd axle)		CA	5020*	(197.64)
Cab to end of frame		CE	6295*	(247.83)
Overall length		OAL	8175	(321.85)

*CA and CE dimensions are effectively reduced by 300 mm (11.8 ins.) with fitment of vertical exhaust pipe & protector.

Twin steer spacing	TSS	2000	(78.74)
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WIDTHS:

Frame width (rear)	FW	811	(31.93)
Front track	FT	2000	(78.74)
Inside rear track	IRT	1516	(59.69)
Outside rear track	ORT	2164	(85.20)
Overall width	OAW	2435	(95.86)

HEIGHTS:

Overall height	OAH	2770	(109.05)
Front axle clearance	A	245	(9.64)
Rear axle clearance	B	245	(9.64)
Frame height @ CL axle approx.	FH	1079	(42.48)

TURNING CIRCLE:

	metres	feet
Kerb to kerb	18.2	(59.7)
Wall to wall	20.2	(66.3)

ESTIMATED KERB WEIGHTS, CHASSIS AND CAB:

(with oil, water and full fuel tank) in kg & (lb.).

WEIGHT DISTRIBUTION:

	Front Axle	Rear Axle	Totals
Chassis			
Share of Body & Payload			
Options			
Totals			
Manufacturer's Rating			
Legal Allowances			
Manufacturer's G.V.M. Rating			
Actual G.V.M.			

GVM	GCM*	Tyres	Front	Rear	Total
18450 (40675)	34000 (74957)	10.00 x 20—12	4725 (10417)	1470 (3241)	6195 (13658)

*Refer note reverse side.