



ISUZU SPG54IS

TWIN STEER CHASSIS

TILT CAB

*DbA in cab noise rating (88)
Advised by K. Naguchi 19/3/81*

SPG54IS



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

ENGINE:

Model: Isuzu E120T Turbocharged Diesel.
Type: 4-cycle overhead valve, in-line, direct injection with Turbocharger. AiResearch model TV61.
Dual inlet & exhaust valves.
Number of cylinders: 6.
Bore and stroke: 135 mm x 140 mm.
Displacement: 12023 cm³ (733.6 CID).
Max. net power: Din 202 kW (275 bhp) @ 2300 rpm.
Max. net torque: Din 980 Nm (723 lb/ft) @ 1400 rpm.
Compression ratio: 15:5:1.
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.

FUEL SYSTEM:

Injection pump: Diesel Kiki in-line P-type with mechanical limiting speed governor.
Fuel tank capacity: 200 litres.

Top Speed 55 MPH (90 km/hr.)

AIR CLEANER:

Donaldson Cyclopac, 2 stage type with vertical air intake (model (FHA14L) with safety element.

AXLE FRONT:

Capacity 6000 kg each axle. 12000 kg total.
Type: Reverse Elliot-T beam.

AXLE REAR:

Capacity 11500 kg. Type: Single reduction, hypoid gear, banjo full floating. Ratio: 4.875:1.18.5"

BRAKES, SERVICE:

Type: Air mechanical. Dual circuit. Total lining area: 7400 cm²
Exhaust brake is standard.

BRAKE, PARKING/EMERGENCY:

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

CLUTCH:

Type: Air assisted, hydraulically operated Spicer angle spring 14" model AS2-1402 twin plate.

COOLING SYSTEM:

Radiator: Tube and corrugated fin. Frontal area, 3750 cm² core, 70 mm thick.

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. Rear 811 mm.
Dimensions: 250 mm x 85 mm x 6 mm.

SPRINGS:

Type: Semi-elliptic alloy steel leaf springs.
Size: Length x width - No. of leaves.
Front: Forward and rearward, 1600 mm x 80 mm - 7.
Capacity at ground 4000 kg each.
Rear: 1420 mm x 100 mm - 8. Capacity at ground 7850 kg.
Rear auxiliary: 980 mm x 100 mm - 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.

TRANSMISSION:

Type: Fuller Roadranger 13 speed overdrive (RTO 9513)
Ratio (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: 9/7.50 T x 20, 162 mm offset, (6.4 ins.) - 8 stud.
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. kilometre 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 West Coast type external rear vision mirrors. Seat belt. Hazard warning flashers. Engine over-run warning device. Tyre inflator device.

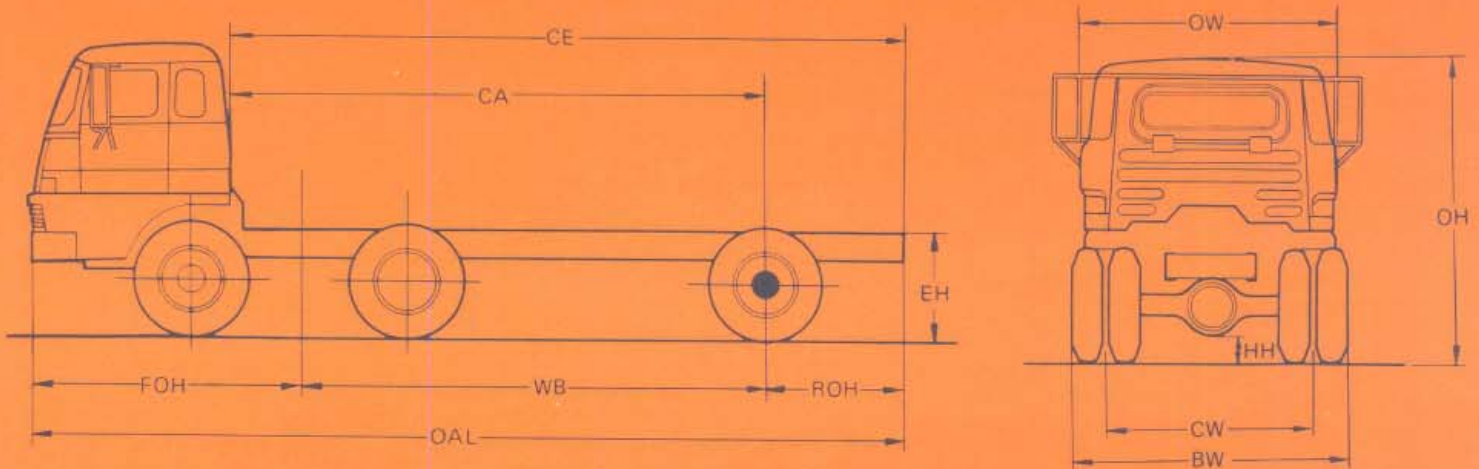
APPLICATION:

Rigid Tray Truck & Four Wheel Trailer.
Fuel Tanker.
8 CuM Tipper & Trailer.
Container Haulage.
Refrigerated Pantechnicon.

*Occasional use only with GCM 34000 kg. Continuous use may promote rear axle wear with single drive axle. For increased drawbar loads up to 38000 kg GCM. Refer to SPH.711S model brochure.

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

DIMENSIONS/CHASSIS WEIGHTS



LENGTHS:

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

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

Twin steer spacing	TSS	2000
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WIDTHS:

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

HEIGHTS:

Overall height	OAH	2770
Front axle clearance	A	245
Rear axle clearance	B	245
Frame height @ CL axle approx.	FH	1079

TURNING CIRCLE:

	metres
Kerb to kerb	18.2
Wall to wall	20.2

GMH 12/20 WARRANTY:

Every Isuzu is protected by the GMH Warranty which covers your vehicle for the first 12 months or 20,000 kilometres.

PLEASE NOTE: As the policy of General Motors-Holden's is one of continual product improvement, all specifications and equipment are subject to change without notice. Bodies illustrated are not standard.

No GMH dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality

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For the most effective utilisation of this vehicle the following guidelines should be observed to ensure that the unit is correctly applied and design limits are not exceeded.

1. The truck is primarily designed for rigid application with 12.25 tonnes available for payload and body, depending on State weight regulations.
2. When vehicle is expected to travel at high speeds, sustained wide open throttle operation should not exceed 80% of the operating period.
3. The following maximum body dimensions are recommended:

Tray length	6400mm
Tray width	2500mm
4. When towing a trailer, the gross combination mass must not exceed 34000 kg. Continuous use may promote rear axle overheating. For sustained operation with drawbar loads refer to SPH.711S model brochure (tandem drive axles).
5. Wheelbase alterations need GMH approval.
6. When PTO equipment is fitted, design limits for the specified Isuzu PTO must not be exceeded.

Special application approval from GMH Sales is required in writing for any deviation from standard specifications. GMH wish to keep records of special application vehicles.

Calculated maximum rolling gradeability @ GVM 55% @ GCM 30%
Calculated maximum starting gradeability @ GVM 46% @ GCM 20% on smooth, hard surface.

ESTIMATED KERB WEIGHT CHASSIS/CAB			GROSS VEHICLE MASS			GCM
FRONT	REAR	TOTAL	FRONT max	REAR max	TOTAL	TOTAL
4725	1470	6195	9600	9000	18450	34000