

ISUZU SPZ 440 CHASSIS/TILT CAB

1978

SPZ 440



GVM 21000 kg (46297 lb.) GCM 34000 kg* (74957 lb.) WITH 10.00 x 20 - 12 TYRES

ENGINE:

Model: Isuzu E120 diesel engine.
Type: Overhead valve, in-line.
Number of cylinders: 6.
Bore and stroke: 135 mm (5.315 ins.) x 140 mm (5.512 ins.).
Displacement: 12023 cm³ (733.6 CID).
Max. net power: Din 165 kW (221 bhp) @ 2300 rpm.
Max. net torque: Din 770 Nm (568 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:

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

AIR CLEANER:

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

AXLE, FRONT:

Capacity: 6000 kg (13228 lb.). Type: Reverse Elliott 'T' Beam.

AXLE, REAR:

Capacity: 21000 kg (46297 lb.) total. Type: Banjo, fully floating, single speed hypoid. Axle ratio: 5.571:1.

BRAKES, SERVICE:

Type: Full air leading and trailing. Dual circuit. Exhaust brake. Total lining area: 7288 cm² (1129.6 sq. ins.).

BRAKE, PARKING/EMERGENCY:

Type: Spring/air.

CLUTCH:

Type: Air assisted, hydraulically operated. Dry single plate with cushioning springs. Size, outside diameter: 410 mm (16.14 ins.). Total frictional area: 1578 cm² (244.6 sq. ins.).

COOLING SYSTEM:

Radiator: Tube and corrugated fin. Frontal area, 3750 cm² (581.3 sq. ins.). Core, 70 mm thick.

DRIVE LINE:

Type: Tubular shafts, needle bearing universal joints.

ELECTRIC SYSTEM:

Battery: 2 x 12 volt, capacity 150 amp. hrs. each battery. Neg. earth.
Alternator: 450W. Starter: 24 volt.

FRAME:

Type: Ladder type, double channel section. Dimensions (outside):
Depth 250 mm (9.84 ins.). Width 85 mm (3.55 ins.). Thickness 6 mm (0.24 in.). 4 cross members.

SPRINGS:

Type: - Semi-elliptical, alloy steel leaf. Trunnion type rear suspension.
Size: Length x width - No. of leaves.
Front: 1600 mm (62.99 ins.) x 80 mm (3.15 ins.) - 7.
Cap @ ground 4950 kg.
Rear: 1300 mm (51.18 ins.) x 90 mm (3.54 ins.) - 9.
Cap. @ ground 13350 kg.
Shock absorbers: Hydraulic, double acting, telescopic.

STEERING:

Type: Recirculating ball with integral power assisted. Ratio: 22.2:1.
Wheel diameter: 503 mm (19.8 ins.).

TRANSMISSION:

Type: Fuller RTO9513 Roadranger, 13-speed.
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	Low Rev.	High Rev.	
1.81	1.57	1.35	1.17	1.00	0.87	13.07	3.87	

WHEELS AND TYRES:

Dual rear wheels: Tyres: 10.00 x 20 - 12 ply. Wheels and rims: 11/7.00 T x 20, - stud, 162 mm (6.38 ins.) offset. Spare tyre and disc.

STANDARD EQUIPMENT:

Tilt cab. Sleeper bed with curtain. Laminated windshield glass. Tempered side and rear glass. Seat belts for two. Suspension seat - driver's side. Fuel shut-off device. Heater/demister. Radio. Glove compartment. Ashtray. Interior rear view mirror. Exterior rear view mirrors. Warning lamps - high beam, oil pressure, air pressure, exhaust brake indicator flashing lights. Oil filter. Tachometer. Tachograph. Dual tone horn. Two speed triple blade windshield wipers and washers. General hand tools including hydraulic jack. Kilometre speedometer/odometer. Tyre inflation device. Hazard warning lights. Engine over-run warning device. Intermediate differential lock.

GMH HEAVY COMMERCIAL WARRANTY

Every SPZ440 vehicle 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.

All illustrations and specifications contained in this sheet are based on the latest product information available at time of publication approval. The right is reserved to make changes at any time, without notice, in prices, colours, materials, equipment, specifications and models and to discontinue models. Check with your Isuzu Dealer for complete information.

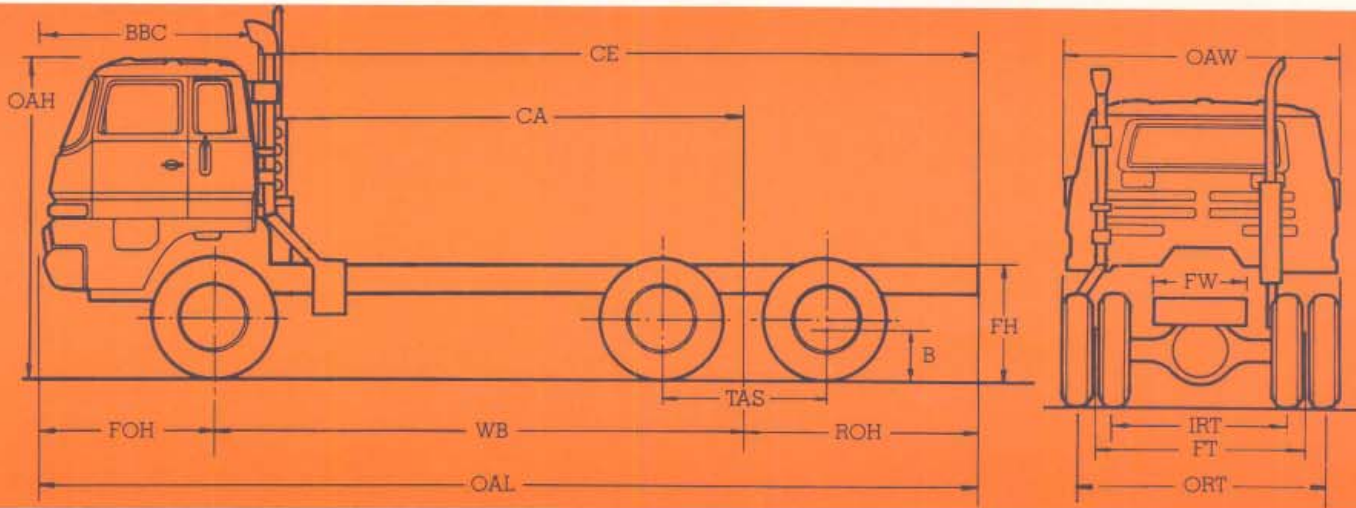
*36,000 kg GCM on 10.00 x 20-14 tyres in those areas where NAASRA is implemented or permits are granted.

GMH GMH
TRUCKPOWER.
Chevrolet. Isuzu. Bedford.

General Motors-Holden's Sales Pty. Ltd.

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DIMENSIONS/CHASSIS WEIGHTS



LENGTHS:

		mm	inches
Wheelbase (Mean)	WB	3750	(147.64)
Front overhang	FOH	1500	(59.06)
Rear overhang	ROH	1850	(72.83)
Bumper - back of cab	BBC	1880	(74.02)
Cab - axle	CA	3370*	(132.68)
Cab to end of frame	CE	5220*	(205.51)
Overall length	OAL	7100	(279.53)
Tandem axle spring	TAS	1300	(51.22)

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

WIDTHS:

		mm	inches
Frame width (rear)	FW	811	(31.95)
Front track	FT	2000	(78.74)
Inside rear track	IRT	1516	(59.67)
Outside rear track	ORT	2164	(85.20)
Overall width	OAW	2435	(95.87)

HEIGHTS:

		mm	inches
Overall height	OAH	2775	(109.25)
Rear axle clearance	B	255	(10.04)
Frame height @ CL axle (approx)	FH	1030	(40.55)

TURNING CIRCLE:

	metres	feet
Kerb to kerb	13.20	(43.31)
Wall to wall	15.20	(49.87)

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
21000 (46297)	34000 (74957)	10.00 x 20 - 12	3625 (7992)	3380 (7451)	7005 (15443)

*Refer note reverse side.