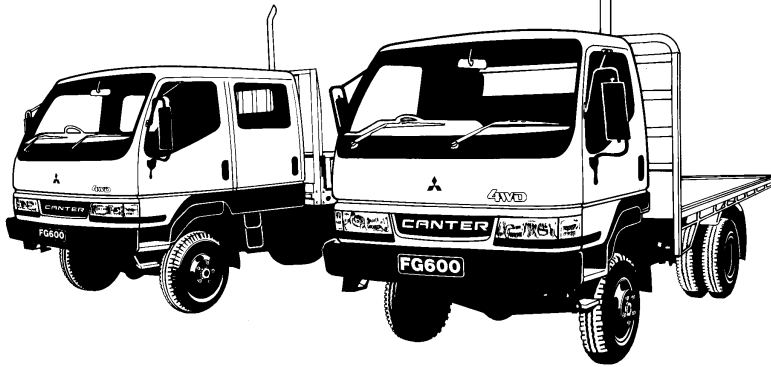


# CANTER 4WD

**FG649**  
4x4 Diesel



MODEL	W/Base	GVM	GCM
FG649C6SRFAA swb	2780mm	6000kg	9200kg
FG649E6SRFAA mwb	3380mm	6000kg	9200kg
FG649EWSRFAA mwb Crew Cab	3380mm	6000kg	9200kg

## ENGINE

**Mitsubishi 4D34-3AT3B Diesel (ADR80/00)**  
 Configuration: 4 Cyl. In-line OHV  
 Type: Turbocharged with Air to Air Intercooler and Catalytic Converter  
 Displacement: 3907cc  
 Bore: 104mm  
 Stroke: 115mm  
 Power (ECE R85-00): 103kW @ 2900 rpm  
 Torque (ECE R85-00): 365Nm @ 1600 rpm  
 Limited to 343Nm in 1st & Rev. Gear  
 Maximum Engine Speed: 3400 rpm  
 Compression Ratio: 18.0:1  
 Oil Cooler: Plate Type, Water Cooled

## FUEL

Pump: MD-TICS (pre-stroke control) In-line Type  
 Governor: RED-III Electronic  
 Filtration: Main Filter and Water Separator  
 Fuel Capacity: C, E. 125 Litres  
 EW. 90 Litres  
 Air Cleaner: Dry Paper, Dual Element with Extended Vertical Intake and Rain Cap

## COOLING

Fan: 430mm dia. 10 Blades  
 Fan Drive: Thermo Modulated  
 Radiator: Corrugated Fin with Expansion Tank

## ELECTRICAL

Voltage: 12V Negative Earth  
 Alternator Capacity: 12V-100 amp  
 Starter Capacity: 12V-3.0kW  
 Battery Capacity: 2x12V, 110Ah/20hr in Parallel  
 Headlamp - Type: Quartz Halogen  
 - Capacity: Low Beam 2x55W  
 High Beam 2x60W, 2x55W

## CLUTCH

**Mitsubishi C4W30D**  
 Disc Diameter: 300mm  
 Type: Single Dry Plate  
 Operation: Hydraulic  
 Facing - Area: Asbestos Free - 846cm<sup>2</sup>

## TRANSMISSION (Manual)

	Main	Transfer
<b>Mitsubishi</b>	<b>M03555</b>	<b>TF3</b>
No. of Speeds:	5	2
Synchromesh:	2nd-5th	No
Ratios - 1st:	5.380	Low: 1.987
- 2nd:	3.028	High: 1.090
- 3rd:	1.700	
- 4th:	1.000	
- 5th:	0.722	
- Rev.	5.380	
PTO Opening:	LH Side	

## PROPELLER SHAFT

Type - Front: P2  
 - Rear: P3  
 Universal Joint: Needle Roller

## FRONT AXLE

**Mitsubishi F020TW/D1H (SP)**  
 Type: Full Floating Hypoid with Constant Velocity Universal Joints  
 Hubs: Free Wheel, Manual Locking Type  
 Capacity - Axle: 2600kg  
 Max. Load Rating at Ground: 2600kg  
 Ratio: 5.714:1

## REAR AXLE

**Mitsubishi D033H**  
 Type: Full Floating Hypoid with Thorton Power-Lock Type Differential  
 Capacity - Axle: 4300kg  
 Max. Load Rating at Ground: 4300kg  
 Ratio: 5.714:1

## STEERING

Type: Integral Power Assisted Ball and Nut  
 Ratio: 22.6:1  
 Steering Wheel: 400mm Urethane  
 Steering Column: Tilt/Telescopic Adjustable with Lock

## BRAKES

Type: Vacuum Assisted Hydraulic Dual Circuit with Load Proportioning Valve  
 Size - Front: 320x75mm  
 - Rear: 320x75mm  
 Lining - Area/Swept: Asbestos Free - 2088/3017cm<sup>2</sup>  
 Park Brake: Transmission Mounted  
 Auxiliary: Exhaust Brake  
 Vacuum Reservoir Capacity: 4.0 Litres

## FRONT SUSPENSION

Type: Semi-Elliptic Leaf  
 Size: 1200x70x10mm-5 Leaves  
 Capacity at Ground: 1300kg ea.  
 Shock Absorbers: Double Acting

## REAR SUSPENSION

Type: Semi-Elliptic Leaf  
 Size: 1250x70x11mm-5 Leaves  
 10mm-1  
 Auxiliary: 990x70x9mm-2 Leaves  
 8mm-4  
 Capacity at Ground: 2400kg ea.  
 Shock Absorbers: Double Acting

## CHASSIS

Type: Reinforced Tapered Channel  
 Size: 190x60x4.5mm  
 Width: 750mm  
 Tensile Strength: 45kg/mm<sup>2</sup>

## WHEELS & TYRES

Wheel - Type: 7, Two Piece Disc  
 - Size: 16x6.00GS-127-9t  
 - Stud Pattern: 5x208mm PCD  
 Tyre - Size: 7.50R16LT 121/119L  
 Traction Tread  
 Spare Tyre Carrier: Provided

## OPTIONAL EQUIPMENT

H31: 4495/7995kg GVM/GCM Rating  
 R31: Horizontal Exhaust Outlet  
 R32 (C. only): Horizontal Exhaust Outlet with 90 Litre Fuel Tank  
 R34: Delete Air Conditioner  
 R35: R31 + R34 in Combination

## MASS (kg - estimated)

Model	Front	Rear	Total
FG649C6SRFAA	1745	750	2495
FG649E6SRFAA	1760	765	2525
FG649EWSRFAA	1860	850	2710

Note: Mass (est.) includes oil and water but excludes spare wheel, tools and fuel.

## CAB FEATURES

### All Steel Forward Control

Type:	C, E. Manual Tilt 45 deg. EW. Fixed
Mounting:	C, E. Hydroelastic 4 Point EW. Isolated Rubber 6 Point
Colour:	Natural White
Interior:	Fully Trimmed (except EW)
Windscreen:	Laminated Tinted
Windscreen Wipers:	2 Speed - Intermittent Cycle
Rear Vision Mirrors:	1 x Internal 2 x External West Coast - Convex LH
Seating Capacity:	C, E. 3 EW. 7
Seat Belts:	C, E. 2 ELR Lap Sash, 1 Lap EW. 4 ELR Lap Sash, 3 Lap
Seats	<u>Driver:</u> - 33 Stage Reclining - 15 Stage Sliding - Headrest and Fabric Trim <u>LH:</u> - 2 Passenger Bench Type - LH Headrest and Fabric Trim <u>Rear EW:</u> - Bench Type - Low Back with Fabric Trim

## INSTRUMENTS

### Gauges:

- Speedometer with Odometer and Tripmeter
  - Tachometer
  - Fuel Level
  - Water Temperature
  - Digital Clock
- ### Warning Lamps:
- Turn Signal
  - High Beam
  - Exhaust Brake
  - Low Vacuum
  - Park Brake/Brake Dual Circuit
  - Alternator
  - Low Oil Pressure
  - Engine Oil Level Check
  - Engine Control (ECU)
  - Engine Warm Up
  - 4WD
  - Low Range

## STANDARD EQUIPMENT

- Tinted Side and Rear Glass
- **Air Conditioner/Heater Demister**
- AM/FM ETR Radio with Cassette Player
- Glove Compartment (2)
- Centre Seat Storage Console
- Overhead Storage Pockets
- Interior Sun Visors
- Fluorescent Cabin Lamp (except EW)
- Interior Dome Lamp
- Key Operated Start/Fuel Control
- Engine Idle Speed Control
- Engine Emergency Stop Control
- Windscreen Washers
- Hazard Warning Lamps
- Cigar Lighter
- Cup Holder (2)
- Engine Access Panel
- Roof Mounting Points  
(except EW - max. static load 30kg)
- Electric Horn
- Reverse Warning Buzzer
- Tool Kit
- Chassis Mounted Tool Box (except EW)
- Vertical Exhaust Outlet

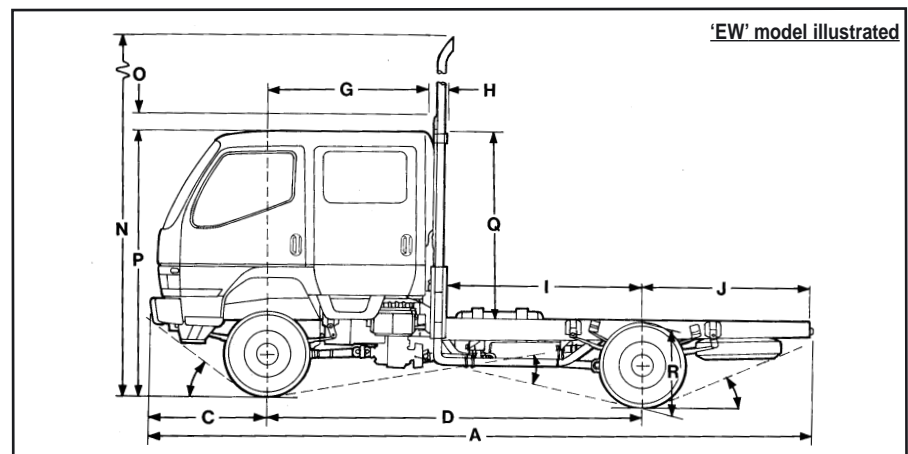
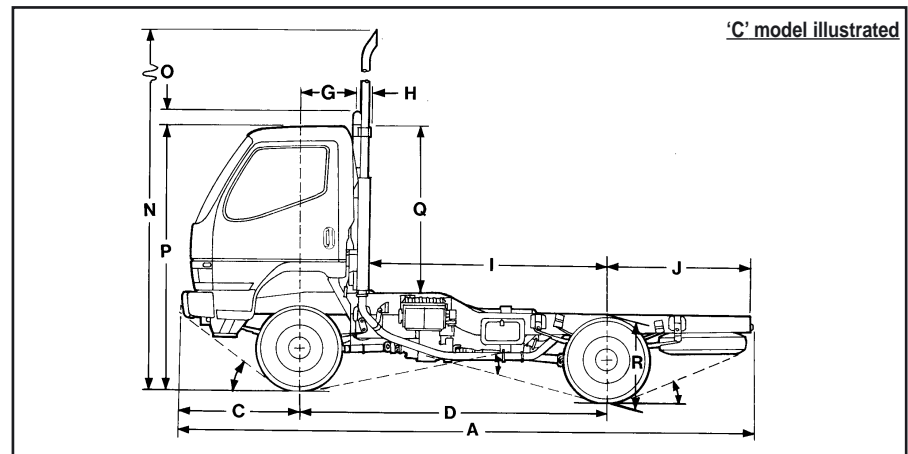
## DIMENSIONS (mm)

		FG649C 6SRFAA	FG649E 6SRFAA	FG649EW SRFAA
Width	Front Fender:	1995	1995	1995
	Rear Axle:	2030	2030	2030
Length	Front Track:	1665	1665	1665
	Rear Track:	1550	1550	1550
	Frame:	750	750	750
	Max. Recommended Body Width:	2100	2100	2100
	A Overall:	5135	5955	5955
	C Front Overhang:	1055	1055	1055
	D Wheelbase:	2780	3380	3380
	G Front Axle to Rear of Cab:	540	540	1485
	H Rear of Cab to Vertical Exhaust:	90	90	131
	I Frame, Exhaust to Rear Axle:	2150	2750	1764
Height	J Frame, Rear Axle to End:	1260	1480	1480
	N Overall:	3460	3460	3460
	O Air Intake to Cab Roof:	145	145	145
	P Cab to Ground:	2415	2415	2475
	Q Cab to Frame:	1490	1490	1660
	R Rear Frame to Ground:	815	815	815
	Ground Clearance:	215	215	215
	Ramp Angle - Front:	33 deg.	33 deg.	33 deg.
	- Centre:	26 deg.	22 deg.	22 deg.
	- Rear:	23 deg.	20.7 deg.	20.7 deg.

## PERFORMANCE (Calculated - Paved Road)

Road Speed (km/h) at Max. Engine Speed:	113	113	113
Gradeability at Rated GVM:	*133.0%	*133.0%	*133.0%
Gradeability at Rated GCM:	*60.5%	*60.5%	*60.5%
Turning Circle (kerb to kerb):	12.8m	15.2m	15.2m

\* Theoretical



Note: Chassis reinforcement must be utilised for Tipper/Demountable type body configurations.

To conform with ADR 13/.. (lighting requirements) the following must be adhered to at body installation.

- If overall width exceeds 2.1 metres, front end-outline marker lamps must be installed.
- If overall width exceeds 2.1 metres and other than a flat type or tipper body is fitted, rear end-outline marker lamps must be installed.
- If overall length exceeds 6.0 metres, side reflectors must be installed.
- If overall width exceeds 2.1 metres and length exceeds 7.5 metres, side marker lamps must be installed.

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