

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 - 846cm²

TRANSMISSION (Manual)

	Main	Transfer
Mitsubishi	M035S5	TF3
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 - 2088/3017cm²
 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/mm²

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

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

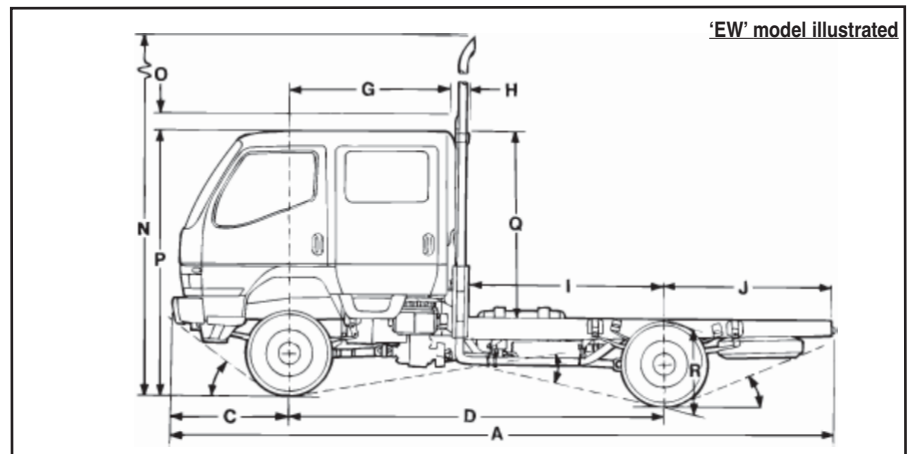
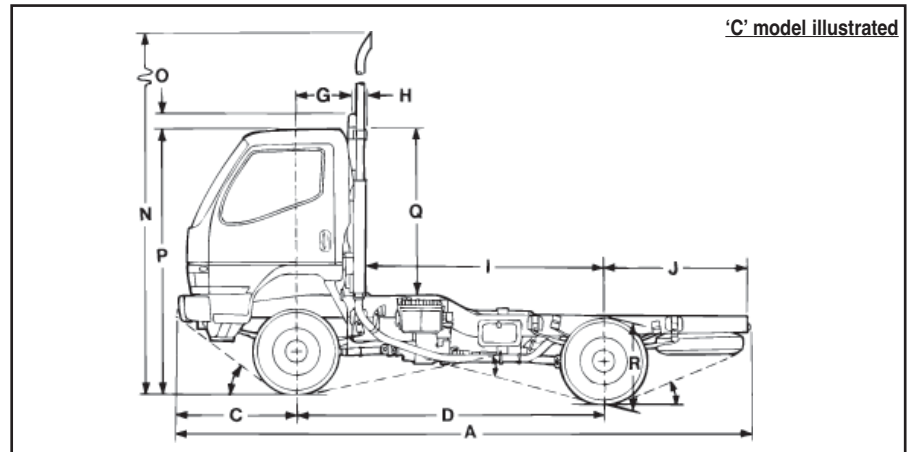
DIMENSIONS (mm)

		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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