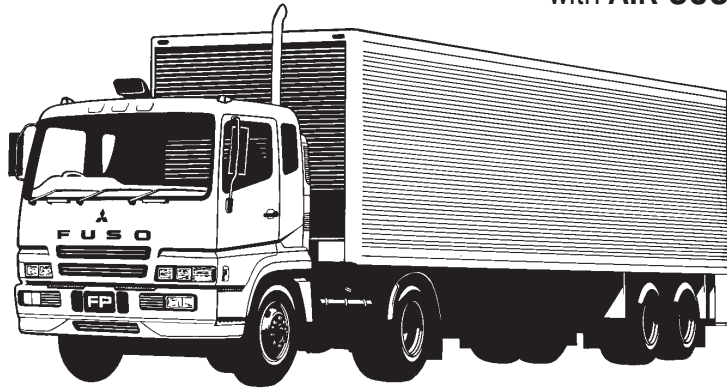


FP 4x2 SERIES

FP54J
257kW

with AIR SUSPENSION



MODEL
FP54JGR2RFAA swb

W/Base
3800mm

GVM
16000kg

GCM
40000kg

ENGINE

Mitsubishi 6M70-1AT2 Diesel (ADR80/00)
Configuration: 6 Cyl. In-line OHC, 4 Valve
Type: Turbocharged with Air to Air Intercooler and Common Rail Fuel System
Displacement: 12882cc
Bore: 135mm
Stroke: 150mm
Power (ECE R85-00): 257kW @ 2200 rpm
Torque (ECE R85-00): 1520Nm @ 1200 rpm
Maximum Engine Speed: 2300 rpm
Compression Ratio: 17.5:1
Oil Cooler: Plate Type, Water Cooled

FUEL

Injection System: BOSCH Common Rail System
Governor: Electronic, Speed Limited to 100 km/h
Controls: Key Operated Start/Fuel Engine Idle Emergency Stop
Cruise Control (range 40-100 km/h)
Filtration: Main Filter and Water Separator
Tank Type: Rectangular Aluminium
Fuel Capacity: 400 Litres
Air Cleaner: Dual Element Dry Paper Type with Vertical Intake and Air Restriction Indicator

COOLING

Fan: 700mm dia. 8 Blades
Fan Drive: Thermo Modulated
Radiator: Corrugated Fin with Expansion Tank

ELECTRICAL

Voltage: 24V Negative Earth
Alternator Capacity: 24V-50 amp
Starter Capacity: 24V-5.5kW
Battery Capacity: 2x12V, 150Ah/20hr
Headlamp - Type: Rectangular Quartz Halogen
- Capacity: Low Beam 2x70W High Beam 2x75W, 2x70W

CLUTCH

Mitsubishi C12W43P
Disc Diameter: 430mm
Type: Pull Type, Single Dry Plate
Operation: Air Assisted Hydraulic
Facing - Area: Asbestos Free - 1920cm²

TRANSMISSION

Mitsubishi M130S2x5
No. of Speeds: 10 with Air Assisted Gearshift
Synchromesh: 2nd-5th
Oil Cooler: Oil to Air, Countershaft Driven Oil Pump
Ratios - 1st: Low High
- 2nd: 9.153 7.005
- 3rd: 5.444 4.166
- 4th: 3.080 2.357
- 5th: 1.762 1.349
- Rev. 1.000 0.765
- Rev. 7.929 6.068
PTO Opening: LH Side

PROPELLER SHAFT

Type: P140
Universal Joint: Needle Roller

FRONT AXLE

Mitsubishi F090T
Type: Reverse Elliot 'I' Beam
Capacity - Axle: 6500kg
Max. Load Rating at Ground: 6000kg (std tyres)
6500 kg (295/80R22.5 ref. tyre placard)

REAR AXLE

Mitsubishi R12T/D12H
Type: Full Floating Hypoid
Capacity - Axle: 10800kg
Max. Load Rating at Ground: 10800kg
Ratio: 4.625:1

STEERING

Type: Integral Power Assisted Ball and Nut
Ratio: 22.4:1
Steering Wheel: 480mm Urethane
Steering Column: Tilt/Telescopic Adjustable with Lock

BRAKES

Type: Full Air, Dual Circuit, Mitsubishi Taper Roller with Automatic Brake Adjustment
Size - Front: 410x150mm
- Rear: 410x200mm
Lining - Area/Swept: Asbestos Free - 5820/9020cm²
Park Brake: Rear Wheel Spring Actuated
Auxiliary: Exhaust Brake
Trailer: Hand Control Valve, Air Lines and Electrical Cord
Compressor: Water Cooled, 340cc Single Cyl.
Air Dryer Model: DR2

FRONT SUSPENSION

Type: Parabolic Leaf with Stabiliser Bar
Size: 1650x90x16mm-4 Leaves
Capacity at Ground: 3250kg ea.
Shock Absorbers: Double Acting

REAR SUSPENSION (Air)

Type: Trailing Arm with Air Dump Control
RFCN: RF2038
Air Spring: 2x300mm dia.
Trailing Arm: (665+430)x90x35mm-2 Leaves
Capacity at Ground: 11000kg total
Shock Absorbers: Double Acting

CHASSIS

Type: Reinforced Parallel Channel
Size: 276x90x6.0mm
Width: 840mm
Tensile Strength: 55kg/mm²

WHEELS & TYRES

Wheel - Type: 7, Single Piece Disc
- Size: 22.5x8.25DC-165-12t
- Stud Pattern: 10x335mm PCD
Tyre - Size: 11R22.5 148/145L
Spare Tyre Carrier: Not Provided

OPTIONAL EQUIPMENT

R01: 800 Litre (2x400L) Fuel Capacity

MASS (kg - estimated)

Model	Front	Rear	Total
FP54JGR2RFAA	3875	1715	5590

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

CAB FEATURES

All Steel Forward Control

Type:	Elec/Hyd. Tilt 50 deg.
Mounting:	Coil Suspension, 4 Point
Colour:	Natural White
Interior:	Fully Trimmed
Windscreens:	Laminated Tinted
Windscreens Wipers:	2 Speed - Intermittent Cycle
Rear Vision Mirrors:	RH. Heated LH. Remote/Heated with Convex Spotter
Seating Capacity:	2
Seat Belts:	2 ELR Lap Sash
Seats	<u>Driver:</u> - Air Suspension with Auto Levelling Height Control - 32 Stage Reclining - 15 Stage Sliding - Front and Rear Height Adjuster - Lumbar Support - Headrest and Fabric Trim <u>LH:</u> - Fixed Base - 32 Stage Reclining - Headrest and Fabric Trim

DIMENSIONS (mm)

		FP54JGR
		2RFAA
Width	Front Fender:	2490
	Rear Axle:	2460
	Front Track:	2045
	Rear Track:	1845
	Frame:	840
Length	A Overall:	6115
	C Front Overhang:	1370
	D Wheelbase:	3800
	G Front Axle to Rear of Cab:	770
	H Rear of Cab to Vertical Exhaust:	292
	I Frame, Exhaust to Rear Axle:	2738
	J Frame, Rear Axle to End:	945
Height	N Overall:	3740
	O Air Intake to Cab Roof:	360
	P Cab to Ground:	2870
	Q Cab to Frame:	1920
	R Rear Frame to Ground, Suspension - Inflated:	987
	- Deflated:	937
	Ground Clearance:	234

INSTRUMENTS

- Gauges:**
- Speedometer with Odometer and Tripmeter
 - Tachometer
 - Air Pressure (2)
 - Fuel Level
 - Water Temperature
 - Digital Clock
- Warning Lamps:**
- Turn Signal
 - High Beam
 - Exhaust Brake
 - Park Brake
 - Trailer Brake
 - Alternator
 - Oil Filter Blockage
 - Engine/Cruise Control (ECU)
 - High/Low Range
 - Air Filter Restriction
 - Door
- Warning Lamp/Buzzer:**
- Air Pressure/Brake Dual Circuit
 - Oil Pressure
 - Engine Overheat/Low Coolant Level
 - Engine Overrun
 - Cab Tilt
 - Air Rear Suspension

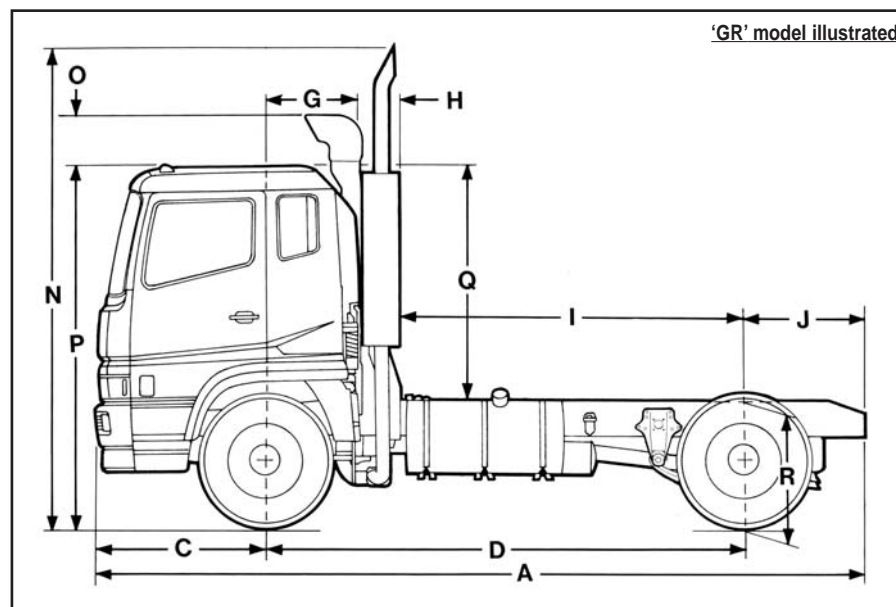
PERFORMANCE (Calculated - Paved Road)

Electronically Speed Limited to (km/h):	*100
Gradeability at Rated GVM:	#
Gradeability at Rated GCM:	30.0%
Turning Circle (kerb to kerb):	13.4m

*Conforms to ADR 65/..
#Exceeds Traction

STANDARD EQUIPMENT

- Electric Windows and Central Locking
- Door Side Impact Beams
- Tinted Side and Rear Glass
- Auto 'Climate Contol' Air Conditioner
- Sleeper Mattress and Curtains
- AM/FM ETR Radio with Cassette and CD Player
- Centre Storage Console
- LH Seat Storage Tray
- LH/RH Overhead Storage Pocket with Lid
- Cup Holder
- Opening Rear Quarter Windows
- Interior Sun Visors
- Fluorescent Cabin Lamp with Dash Control
- Windscreen Washers
- Hazard Warning Lamps
- Front End-Outline Marker Lamps
- QH Fog Lamps
- Cigar Lighter
- Roof Mounting Points (max. static load 50kg)
- Dual Air Horns
- Reverse Warning Buzzer
- Wheel Changing Tools
- Vertical Exhaust Outlet
- Stainless Steel Mufflershield
- Chrome Exhaust Tailpipe
- Front Bumper Air Dam



Note: Chassis reinforcement must be utilised for other than 4x2 Tractor applications.
To conform with ADR 13/.. (lighting requirements) the following must be adhered to at body installation.

- Reflective rear marker plates must be installed.
- If other than a flat type or tipper body is fitted, rear end out-line marker lamps must be installed.
- If overall length exceeds 6.0 metres, side reflectors must be installed.
- If overall length exceeds 7.5 metres, side marker lamps must be installed.