

FV 6x4 SERIES

FV51J
257kW



MODEL	W/Base	GVM	GCM
FV51JKD2RFAA mwb	4300mm	25400kg	50000kg
FV51JKM2RFAA mwb PTO	4300mm	25400kg	39000kg

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
 PTO (KM) - Max. Output Torque: 441Nm
 - Drive Ratio: 1.00:1
 - Rotation: Opposite to Engine

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: 300 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 C14W40T
 Disc Diameter: 400mm
 Type: Twin Dry Plate
 Operation: Air Assisted Hydraulic
 Facing - Area: Asbestos Free - 3064cm²

TRANSMISSION

FV51JKD2RFAA: Fuller RTLO-12913A
 No. of Speeds: 13
 Brake Type: Countershaft
 Oil Cooler: Oil to Air
 Ratios - Low: 12.31 H/L H/H
 - 1st: 8.64 2.29 1.95
 - 2nd: 6.11 1.62 1.38
 - 3rd: 4.43 1.17 1.00
 - 4th: 3.23 0.86 0.73
 - Rev. 13.22 3.50
 PTO Opening: Lower Transmission

FV51JKM2RFAA: Fuller RTO-11908LL
 No. of Speeds: 10
 Brake Type: Countershaft
 Oil Cooler: Oil to Air
 Ratios - Low: 14.56 LoLo Low High
 - 1st: 6.24 1.83
 - 2nd: 4.63 1.36
 - 3rd: 3.40 1.00
 - 4th: 2.53 0.74
 - Rev. 15.22 9.85 2.89
 PTO Opening: Lower Transmission

PROPELLER SHAFT

Type: KD. P151/P10
 KM. P140/P10
 Needle Roller
 Universal Joint:

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 R10TT/10T, D10HT/10H
 Type: Full Floating Hypoid, Tandem Drive with Inter-Axle Diff Lock
 Capacity - Axle: 21600kg
 Max. Load Rating at Ground: 21600kg
 Ratio: KD. 5.142:1
 KM. 5.571:1

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 - 9144/14174cm²
 Park Brake: Rear Wheel Spring Actuated
 Auxiliary: Exhaust Brake
 Trailer (KD. only): Hand Control Valve, Air Lines and Electrical Cord
 Compressor: Water Cooled, 340cc Single Cyl.
 Air Dryer Model: DR2

FRONT SUSPENSION

Type: Long Taper Leaf
 Size: 1500x90x23mm-3 Leaves
 Capacity at Ground: 3300kg ea.
 Shock Absorbers: Double Acting

REAR SUSPENSION

Type: Long Taper Leaf, 6 Rod Trunnion
 Size: 1320x90x30mm-5 Leaves
 Capacity at Ground: 11000kg ea.

CHASSIS

Type: Reinforced Parallel Channel
 Size: 300x90x7.0mm
 Width: 840mm
 Tensile Strength: 55kg/mm²

WHEELS & TYRES

Wheel - Type: 11, Single Piece Disc
 - Size: 22.5x8.25DC-165-12T
 - Stud Pattern: 10x335mm PCD
 Tyre - Size: 11R22.5 148/145L
 Traction Tread to Rear
 Spare Tyre Carrier: Provided

OPTIONAL EQUIPMENT

R03 (KD. only): 400 Litre Fuel Capacity

MASS (kg - estimated)

Model	Front	Rear	Total
FV51JKD2RFAA	4015	3395	7410
FV51JKM2RFAA	3930	3375	7305

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:	3
Seat Belts:	2 ELR Lap Sash, 1 Lap
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> - 2 Passenger Bench Type - LH Headrest and Fabric Trim

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 (KD. only)
- Alternator
- Oil Filter Blockage
- Engine/Cruise Control (ECU)
- Air Filter Restriction
- Door

Warning Lamp/Buzzer:

- Air Pressure/Brake Dual Circuit
- Oil Pressure
- Engine Overheat/Low Coolant Level
- Engine Overrun
- Cab Tilt

STANDARD EQUIPMENT

- Electric Windows and Central Locking
- Door Side Impact Beams
- Tinted Side and Rear Glass
- **Auto 'Climate Contol' Air Conditioner**
- 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

DIMENSIONS (mm)

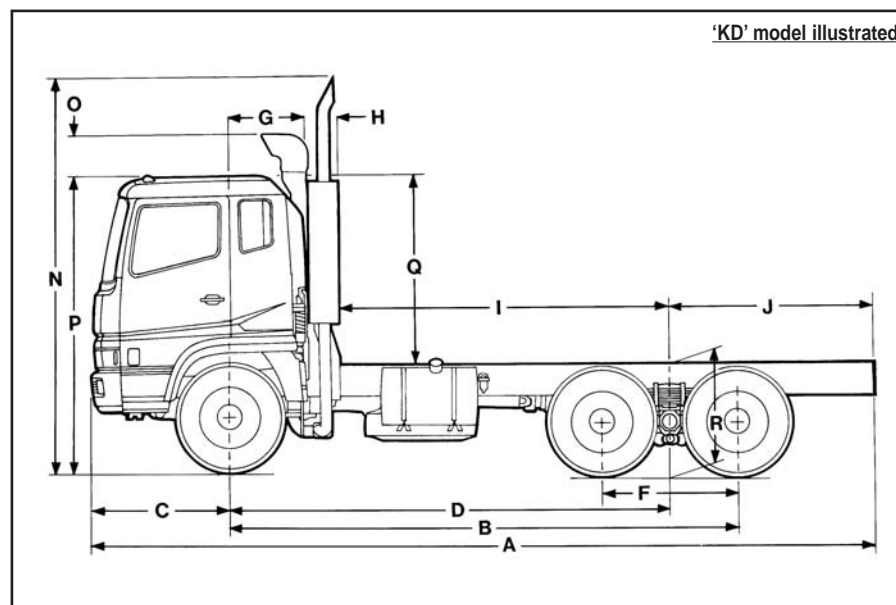
		FV51JKD	FV51JKM
Width	Front Fender:	2490	2490
	Rear Axle:	2460	2460
	Front Track:	2045	2045
	Rear Track:	1845	1845
	Frame:	840	840
	Length	A Overall:	7640
B Extreme Axle Spacing:		4960	4960
C Front Overhang:		1370	1370
D Wheelbase:		4300	4300
F Rear Axle Spacing:		1320	1320
G Front Axle to Rear of Cab:		770	770
H Rear of Cab to Vertical Exhaust:		292	292
I Frame, Exhaust to Rear Axle:		3238	3238
J Frame, Rear Axle to End:		1970	1970
Height		N Overall:	3750
	O Air Intake to Cab Roof:	360	360
	P Cab to Ground:	2905	2905
	Q Cab to Frame:	1900	1900
	R Rear Frame to Ground:	1060	1060
	Ground Clearance:	250	250
	2RFAA		
	2RFAA		

PERFORMANCE (Calculated - Paved Road)

Electronically Speed Limited to (km/h):	*100	*100
Gradeability at Rated GVM:	91.4%	#
Gradeability at Rated GCM:	35.9%	67.9%
Turning Circle (kerb to kerb):	15.0m	15.0m

*Conforms to ADR 65/..

#Exceeds Traction



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.

- 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.