

HEAVY DUTY

Trucks Built to Last



FV 6x4 SERIES

FV51J

257kW • 10 + PTO or 13 SPEED • 25400kg GVM • 41500kg or 50000kg GCM • ENGINE BRAKE



SPECIFICATIONS

MODEL: FV51JKD2RFAB mwb
FV51JKM2RFAB mwb PTO

WHEELBASE: 4300mm
4300mm

ENGINE

Mitsubishi FUSO 6M70-6AT2 Diesel (ADR 80/02)

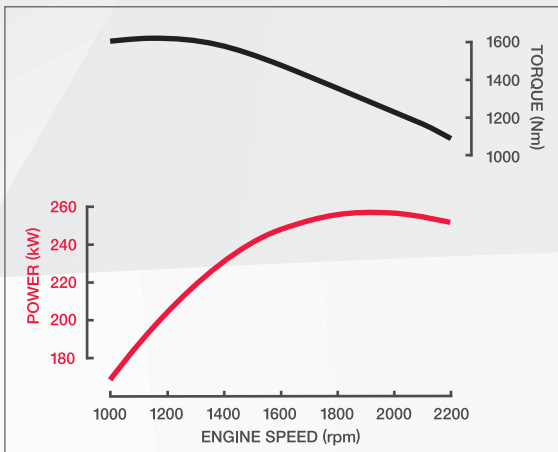
Configuration: 6 Cyl. In-line OHC, 4 Valve
Type: Turbocharged with Air to Air Intercooler, PCV, EGR & Common Rail Fuel System

Displacement: 12882cc
Bore: 135mm
Stroke: 150mm
Turbocharger: Variable Nozzle Vane Type

Power (ECE R85-00): 257kW @ 2000 rpm
Torque (ECE R85-00): 1620Nm @ 1100 rpm
Maximum Engine Speed: 2200 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

Air Cleaner: Dual Element Dry Paper Type with Vertical Intake & Air Restriction Indicator



FUEL

Injection System: BOSCH Common Rail System
Governor: Electronic, Speed Limited to 100 km/h
Filtration: Main Filter and Water Separator
Tank Type: Rectangular Aluminium
Fuel Capacity: 300 Litres with Locking Fuel Cap

COOLING

Fan: 720mm dia. 10 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: Outer 2x75/70W
Inner 2x70W

CLUTCH

Mitsubishi FUSO C14W40T

Disc Diameter: 400mm
Type: Twin Dry Plate
Operation: Air Assisted Hydraulic

TRANSMISSION

FV51JKD2RFAB:

Eaton Fuller RTLO-12913A

No. of Speeds: 13
Constant Mesh Type with Countershaft Brake
Oil Cooler: Oil to Air

Ratios	Low	H/L	H/H
- Low:	12.31		
- 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

FV51JKM2RFAB:

Eaton Fuller RTLO-14908LL

No. of Speeds: 10
Constant Mesh Type with Countershaft Brake
Oil Cooler: Oil to Air

Ratios	LoLo	Low	High
- Low:	14.56	9.42	
- 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. P152/P12
KM. P140-M/P10
Universal Joint: Needle Roller

FRONT AXLE

Mitsubishi FUSO F090T

Type: Reverse Elliot 'I' Beam
Capacity: 7500kg

REAR AXLE

Mitsubishi FUSO R10TT/R10T, D10HT/D10H

Type: Full Floating Hypoid, Tandem Drive with Inter-Axle Diff Lock

Capacity:	21600kg
Ratio: KD	5.142:1
KM	5.571:1



1

2

3

GVM: 25400kg GCM: 50000kg
 25400kg 41500kg



STEERING

Type: Integral Power Assisted Ball and Nut
 Ratio: 21.4 to 23.8:1
 Steering Column: Tilt/Telescopic Adjustable with Lock

BRAKES

Type: Full Air, Dual Circuit, Mitsubishi FUSO Taper Roller with Automatic Brake Adjustment
 Size - Front: 410x150mm
 - Rear: 410x200mm
 Park Brake: Rear Wheel Spring Actuated
 Auxiliary: 'Powertard' Engine Brake
 Trailer (FV51JKD. only): Hand Control Valve, Air Lines, Coupling & Electrical Cable
 Compressor: Water Cooled, 340cc Single Cyl.
 Air Dryer Model: DU5

FRONT SUSPENSION

Type: Long Taper Leaf
 Size: 1500x90mm Leaves
 Shock Absorbers: Double Acting

REAR SUSPENSION

Type: Long Taper Leaf, 6 Rod Trunnion
 Size: 1320x90mm Leaves

CHASSIS

Type: Reinforced Parallel Channel
 Size: 300x90x7.0mm
 Width: 840mm
 Tensile Strength: 540Mpa

WHEELS & TYRES

Wheel - Type: 11, Single Piece Disc
 - Size: 22.5x8.25DC-165-12t
 - Stud Pattern: 10x335mm PCD
 Tyre - Size Front: 295/80R22.5 152/148M
 - Size Rear: 11R22.5 148/145L
 Traction Tread to Rear
 - Size Spare: 295/80R22.5 152/148M
 Spare Tyre Carrier: Provided

MASS (kg - estimated)

Model	Front	Rear	Total
FV51JKD2RFAB	4200	3485	7685
FV51JKM2RFAB	4255	3530	7785

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

INSTRUMENTS

Gauges: Speedometer with Odometer & Tripmeter
 Tachometer
 Air Pressure (2)
 Fuel Level
 Water Temperature
 Warning Lamps: Turn Signal
 High Beam
 'Powertard' Engine Brake
 Park Brake
 Trailer Brake (KD. only)
 Alternator
 Oil Filter Blockage
 Differential Lock
 Engine Control /Cruise Control (ECU)
 Air Filter Restriction
 Door Opening
 Warning Lamp/Buzzer: Air Pressure/Brake Dual Circuit
 Oil Pressure
 Engine Overheat/Low Coolant Level
 Engine Overrun
 Cab Tilt

CAB FEATURES

All Steel Forward Control
 Type: Elec/Hyd. Tilt 50 deg.
 Mounting: Coil Suspension, 4 Point
 Colour: Natural White
 Interior: Fully Trimmed
 Windscreen: Laminated Tinted
 Windscreen 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 - Driver: Air Suspension with Auto Levelling Height Control
 4 Way Adjustable with Lumbar Support
 Headrest & Fabric Trim
 - LH: 2 Passenger Bench Type
 LH Headrest & Fabric Trim

MAX. LOADING

Front	Rear	Total
6500kg	21600kg	25400kg

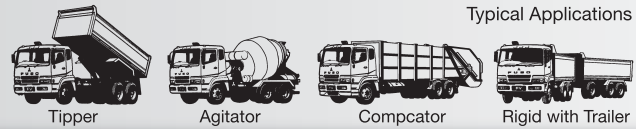


1. New powerful, lower emission EGR engine.
2. Front panel access for quick and easy maintenance.
3. Spacious cab with climate control, CD player, cruise control, electric windows, central locking and loads of storage space.
4. Large lockable alloy fuel tank give excellent range between fills.
5. Air suspension driver's seat provides excellent comfort and support.

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SPECIFICATIONS

Typical Applications



STANDARD FEATURES

Driving

- Electric Windows
- Central Locking
- Climate Control
- Radio / CD Player
- Cruise Control (range 40 to 100 km/hr)
- Engine Idle Speed Control
- Opening Rear Quarter Glass
- Cup Holder
- Trailer Package (KD only - hand control valve, air line, coupling & electrical cable)
- Accessory Power Outlet / Cigar Lighter
- Fluorescent Cabin Lamp
- Interior Sun Visors

Storage

- Dash Storage Tray 2 DIN Glove Compartments
- Centre Storage Console
- LH Seat Storage Tray
- LH & RH Overhead Storage Pockets with Lid

Cab: External

- Door Side Impact Beams
- Halogen Fog Lamps
- Tinted Side & Rear Glass
- Roof Mounting Points (max. static load 50kg)
- Front End-Outline Marker Lamps
- Dual Air Horns

Chassis

- Tool Kit
- Chassis Mounted Tool Box
- Reverse Warning Buzzer

DIMENSIONS (mm)

		FV51JKD 2RFAB	FV51JKM 2RFAB
Width	Front Fender:	2490	2490
	Rear Axle:	2465	2465
Length	Front Track:	2045	2045
	Rear Track:	1850	1850
	Frame:	840	840
	A Overall:	7640	7640
	B Extreme Axle Spacing:	4960	4960
	C Front Overhang:	1370	1370
	D Wheelbase:	4300	4300
Height	F Rear Axle Spacing:	1320	1320
	G Front Axle to Rear of Cab:	770	770
	H Rear of Cab to Trailer Valve (KD):	126	
	I Frame, Trailer Valve to Rear Axle (KD):	3404	
	I Frame, Rear of Cab to Rear Axle (KM):		3530
	J Frame, Rear Axle to End:	1970	1970
	N Overall:	3260	3260
	O Air Intake to Cab Roof:	360	360
P Cab to Ground:	2900	2900	
Q Cab to Frame:	1900	1900	
R Rear Frame to Ground:	1059	1059	
Ground Clearance:	215	215	

PERFORMANCE (Calculated - Paved Road)

Electronically Speed Limited to (km/h):	*100	*100
Gradeability** at Rated GCM:	38.2%	66.9%
Turning Circle (kerb to kerb):	15.0m	15.0m

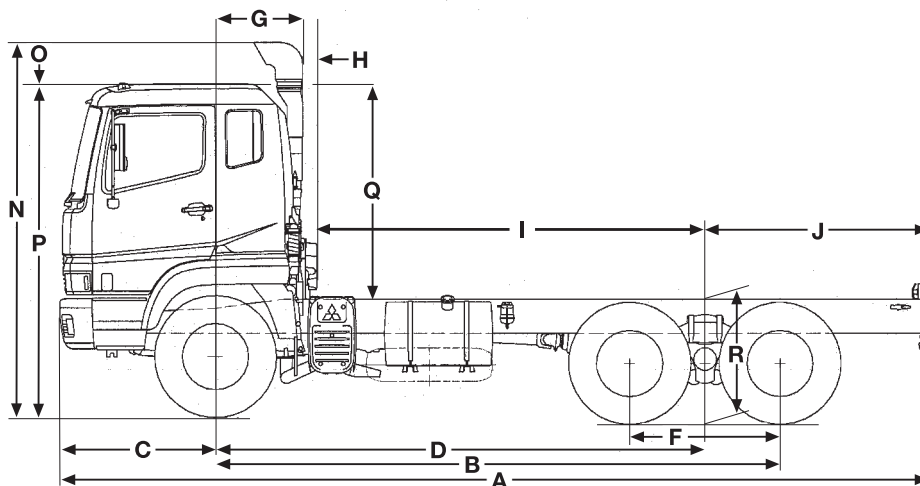
* Conforms to ADR 65/00

** This is Theoretical Performance (it may vary under different conditions).



WARRANTY

Basic/Powertrain - 3 Years, 200000kms, 4000 operating hours*
and 3 Years Cab Perforation/Anti Corrosion.
* whichever occurs first.
See www.fuso.com.au for full details.



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

To conform with ADR 13/00 and 14/02 (lighting/mirror requirements) the following must be adhered to at body installation.

- 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.
- If overall width is less than 2.2m, the mirrors must be modified to project not more than 230mm.

To conform with ADR 42/04 (General Safety), rear wheel guards must be fitted to the vehicle.

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