

# HEAVY FV5I 6X4.

MANUAL OR AMT / MECH SUSP. / MWB

GVM

**25,400KG**

Heavy rigid licence required.

GCM

**50,000KG TO  
53,000KG**

Power/Torque

**360HP/1,850NM TO  
455HP/2,200NM**



**5**  
YEAR WARRANTY

**40,000KM SERVICE INTERVALS.**

[fuso.com.au](http://fuso.com.au)

**FUSO**

SPECIFICATIONS

MODEL

- A6x4 FV51 360hp MWB 13 Sp. MAN (FV51SK2FAA)
- B6x4 FV51 360hp MWB 12 Sp. AMT (FV51SK2VFAA)
- C6x4 FV51 455hp MWB 12 Sp. AMT (FV51SK5VFAA)

WHEEL BASE

4300mm  
4300mm  
4300mm

GVM (optional)

25,400kg  
25,400kg  
25,400kg

GCM (optional)

50,000kg  
50,000kg  
53,000kg

ENGINE		
Engine Version Configuration	<b>A B</b> FUSO OM457-T2 Diesel 6 Cyl. In-line OHV	<b>C</b> FUSO OM457-T5 Diesel 6 Cyl. In-line OHV
Type	Waste-gate Turbocharged with Air to Air Intercooled	
Displacement	12 litre (11967cc)	
Bore	128mm	
Stroke	155mm	
Power (DIN)	<b>A B</b> 265kW @ 1900 rpm	<b>C</b> 335kW @ 1900 rpm
Torque (DIN)	1850Nm @ 1100 rpm	2200Nm @ 1100 rpm
Maximum Engine Speed	2100 rpm	2100 rpm
Cooling System / Oil Cooler	Water cooled, 32.0L capacity/ Plate type engine oil cooler	
Air Cleaner	Paper Element Type with Restrictor Indicator. Vertical Intake Mounted on Clean Air Side (RH)	
Emission Control	Selective Catalytic Reduction (SCR)	
Emission Level	ADR 80/03 - Euro 5	

The graph displays engine performance metrics. The left y-axis represents Power in kW (200 to 350), and the right y-axis represents Torque in Nm (750 to 2500). The x-axis shows Engine Speed in rpm (1000 to 2200). Solid lines represent the T5 Rating (455 Hp), and dashed lines represent the T2 Rating (360 Hp). Power curves peak around 1800-1900 rpm, while torque curves peak around 1100-1200 rpm.

Engine Speed (rpm)	T5 Power (kW)	T2 Power (kW)	T5 Torque (Nm)	T2 Torque (Nm)
1000	225	200	1800	1600
1200	270	230	1900	1700
1400	310	250	2000	1800
1600	325	260	2050	1850
1800	330	265	2000	1800
2000	320	250	1800	1600
2200	220	190	1200	1000

CLUTCH		
Clutch Model	<b>A</b> FUSO C14W40P	<b>B C</b> FUSO C12W43P
Type	Twin Dry Plate	Single Plate
Operation/Specification	Air Assisted Hydraulic	Automated Manual (no clutch pedal)

TRANSMISSION		
Version	<b>A</b> Eaton Manual RTL0-14913	<b>B C</b> FUSO Automated Manual G230-12 (INOMAT-II)
Type/Speeds	13 Speed Constant Mesh	12 Speed Automated Manual with Auto and Manual Modes
Features	Counter-shaft Brake Oil Cooler	Crawler Mode Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage
Ratios	1st: 12.310 2nd: 8.640 3rd: 6.110 4th: 4.430 5th: 3.230 6th: 2.290 7th: 1.950 8th: 1.620 9th: 1.380 10th: 1.170 11th: 1.000 12th: 0.860 13th: 0.730 RHigh: 3.500 RLow: 13.220	1st: 11.672 2nd: 9.101 3rd: 7.055 4th: 5.501 5th: 4.400 6th: 3.430 7th: 2.652 8th: 2.068 9th: 1.603 10th: 1.250 11th: 1.000 12th: 0.779 RHigh: 9.101 RLow: 11.673 Torque limited to 1775Nm from 1st to 3rd and Reverse
PTO Opening	Lower Transmission	LH Side and Rear of XMSM

PROPELLER SHAFT	
Type	Single Main Shaft GW5E2200 Inter-axle Shaft P12

FRONT AXLE	
Axle Version	FUSO F090T
Type	Reverse Elliot 'I' Beam
Capacity *	7500kg
Notes	*See MAX LOADING for vehicle capacity.

FRONT SUSPENSION	
Type	Long Taper Leaf with Double Acting Shock Absorbers
Size	1500x90mm Leaves

REAR AXLE		
Type	Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock	
Axle Version	FUSO R10/D10	
Capacity*	21600kg	
Ratio	<b>A</b> 5.142:1	<b>B C</b> 4.625:1
Notes	*See MAX LOADING for vehicle capacities	

FUEL	
Injection System	Electronically Controlled Unit Pump Injection
Tank Type	Rectangular Alloy Tank with Locking Cap
Fuel Capacity *	400 Litres
Filtration	Filter with Water Separator and Dash Indicator
AdBlue Exhaust Fluid Capacity	40 Litres, Tank fitted with locking AdBlue cap
Speed Limiter	Speed Limited 100km/h
Notes	*Max Fill to approx 95% of Air Capacity

COOLING	
Fan Drive	Thermo modulated continuous control (Viscous)
Radiator	Corrugated Fin with Expansion Tank

ELECTRICAL	
Voltage	24V Negative Ground
Alternator Capacity	24V-80 amp
Starter Capacity	24V-7.0kW
Battery Capacity	2x12V, 150Ah/20hr
Battery Specification	2x145G51 (N150)
Headlamp Type	Halogen
Headlamp Capacity	Low beam 2x70W High beam 2x70W
Fog Light	Halogen

SPECIFICATIONS

MODEL		WHEEL BASE
A	6x4 FV51 360hp MWB 13 Sp. MAN (FV51SK2FAA)	4300mm
B	6x4 FV51 360hp MWB 12 Sp. AMT (FV51SK2VFAA)	4300mm
C	6x4 FV51 455hp MWB 12 Sp. AMT (FV51SK5VFAA)	4300mm

GVM (optional)	GCM (optional)
25,400kg	50,000kg
25,400kg	50,000kg
25,400kg	53,000kg

REAR SUSPENSION	
Type	Mechanical Suspension
Details	Long Leaf Taper, 6 Rod Trunnion
Size Main Leaves	1320x90mm

MAX LOADING	
Front	6500kg
Rear	21600kg
Total	25400kg

OPTIONS		
Options	A B R51: Flywheel (Live Drive) PTO	C R54: Limited Slip Differential (LSD) for Both Diffs

STEERING	
Type	Integral Ball and Nut
Steering Column	Tilt/Telescopic Adjustable

BRAKES	
Type	Full Air, Dual Circuit with FUSO Taper Rollers, ABS plus ASR (Anti Slip Regulator)
Size Front	410x150mm
Size Rear	410x200mm
Park Brake	Rear Wheel Spring Actuated
Engine	Constant Throttle Brake 4 Levels of Retardation
Trailer	Hand Control Valve, Air Lines Coupling and Electrical Cable

WHEELS & TYRES		
Wheel Type	A B 11, Single Piece Steel Disc (Including Spare)	C 11, Single Piece Alloy Disc (Including Spare)
Wheel Size	22.5x8.25DC	
Wheel Stud Pattern	10x335mm PCD	
Tyre Size Front	295/80R22.5 152/148	
Tyre Size Rear	11R22.5 148/145	
Tyre Size Spare	295/80R22.5 152/148	
Spare Tyre Carrier	Not Provided	

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

INSTRUMENTS		
Gauges	Speedometer with Odometer Tachometer Air Pressure (2) Fuel Level Water Temperature AdBlue Level	
Colour Information Display	Fuel Consumption Service Indicators Hour Meter and Tripmeter Oil Level Check	
Warning Lamps	A ABS ASR Turn Signal High Beam Engine Brake Fog Lamp All Major System Faults Oil Level Ad Blue Low Alternator Differential Lock Cruise Control Cab Tilt Lock	B C ABS ASR Turn Signal High Beam Engine Brake Shift Down Brake Fog Lamp All Major System Faults Oil Level Ad Blue Low Alternator Differential Lock Cruise Control Cab Tilt Lock
Warning Lamp/Buzzer	Air Pressure Oil Pressure Hill Start Park Brake Engine Overrun Engine Overheat / Low Coolant Level	

MULTI-MEDIA PACKAGE	
Satellite Navigation	Maps with heavy vehicle weight, length, height & hazardous material selectable restrictions with 3 years of Map updates
Colour Display	6.1 inch LCD with touch screen control
Phone Connectivity	Bluetooth® hands free
Audio Visual Entertainment	CD/DVD player Digital radio DAB+ (also AM/FM for areas not covered by DAB+) USB port for iPod® * & other devices
Reversing Camera Compatible	Display can accept up to 3 cameras#
Notes	* iPod® compatibility requires an additional licenced cable # Cameras available through spare parts

CAB FEATURES		
Type	All Steel Forward Control Electric / Hydraulic Tilt Cab	
Cab Structure	ECE-R29 Standard	
Mounting	Air Suspended Front and Rear	
Colour	Natural White	
Windscreen Wipers	2 Speed + Intermittent Cycle with Integrated Washer Nozzles	
Rear Vision Mirrors	2 x External Flat Main Mirrors Plus Convex Spotters Motorised Main Mirrors, All Mirrors Heated	
Seating Capacity	A B 3	C 2
Seat Belts	Lap Sash Belts for Outside Seating Positions Lap Belt for Centre Seat	
Seat (driver)	Suspended (ISRI)	
Seats (passenger)	A B 2 Fixed	C Single Fixed
Sleeping	ADR42/04 Approved Sleeping Berth (455hp Only)	

# SPECIFICATIONS

## MODEL

## WHEEL BASE

## GVM (optional)

## GCM (optional)

<b>A</b>	6x4 FV51 360hp MWB 13 Sp. MAN (FV51SK2FAA)
<b>B</b>	6x4 FV51 360hp MWB 12 Sp. AMT (FV51SK2VFAA)
<b>C</b>	6x4 FV51 455hp MWB 12 Sp. AMT (FV51SK5VFAA)

4300mm
4300mm
4300mm

25,400kg
25,400kg
25,400kg

50,000kg
50,000kg
53,000kg

### SERVICE INTERVALS

Interval*	40,000km, 12 Months or 800 Hours (whichever occurs first)
Notes	* based on normal operating conditions and may be reduced when operating under severe conditions.

### WARRANTY

Basic/Powertrain	5 Years, 500,000kms or 10,000 operating hours (whichever occurs first)
Cab Perforation/Anti Corrosion	5 Years

### PERFORMANCE

Turning Circle (kerb to kerb) 15.0 - metres)

Electronically Speed Limited 100km/hr to: Conforms to ADR65/..

Engine Speed (rpm) at 100km/hr (top gear)	<b>A</b> 1970	<b>B</b> 1891	<b>C</b> 1891
---	---------------	---------------	---------------

Gradeability at Rated GCM (theoretical)*	40%	24%	30%
--	-----	-----	-----

Notes \*This is theoretical performance only. Actual performance may vary under different conditions

### MASS (ESTIMATED)\*

Front*	<b>A</b> 4505kg	<b>B</b> 4365kg	<b>C</b> 4340kg
Rear*	3505kg	3470kg	3360kg
Total*	8010kg	7835kg	7700kg
Notes	* Mass (est.) includes oil and water but excludes spare wheel, tools & fuel. Weights provided are subject to 3.5% variation (+/-)		

### DIMENSIONS (MM)

Width Front Fender (mm)	2490
Width Rear Axle (mm)	2470
Width Front Track (mm)	2055
Width Rear Track (mm)	1850
Width Frame (mm)	840
A - Length Overall (mm)	7640
B - Extreme Axle Spacing (mm)	4960
C - Front Overhang (mm)	1370
D - Wheelbase (mm)	4300
F - Rear Axle Spacing (mm)	1320
G - Front Axle to Rear of Cab (mm)	700
H - Rear of Cab to Rearmost Item Behind Cab (mm)	183
I - Rearmost Item Behind Cab to Rear Axle (mm)	3417
J - Frame, Rear Axle to End (mm)	1970
N - Height Overall (mm)	3303
O - Air Intake to Cab Roof (mm)	205
P - Height Cab to Ground (mm)	3098
Q - Height Cab to Frame (mm)	2090
R - Height Rear Frame to Ground (mm)	1058

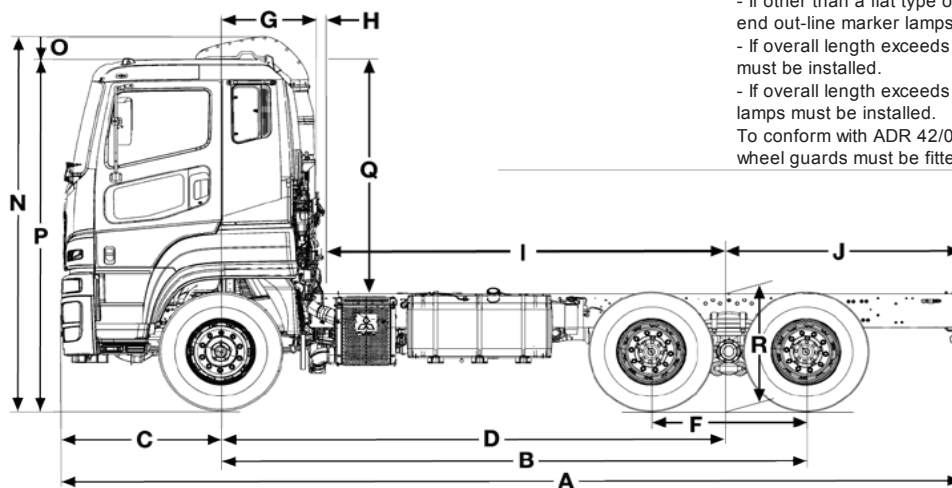
### BODY BUILDER'S NOTES

Notes

Chassis reinforcement must be utilised for Tipper/Demountable type body configurations. To conform with ADR 13/00 (lighting requirements) the following must be adhered to at body installation.

- 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.

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



# CALL 1300 429 134

or visit [fuso.com.au](http://fuso.com.au)

# FUSO

Unless specified in writing herein the accessories, applications, bodies or equipment depicted in this document are for illustration purposes only and may not be available from Mercedes-Benz Australia/Pacific Pty Ltd (ABN 23 004 411 410) ("MBAuP"). No representation or warranty whatsoever is given in relation to any accessories, applications, bodies or equipment or suitability of same that are shown herein that may be manufactured, supplied or fitted by a party other than MBAuP. MBAuP reserves the right without notice or obligation to discontinue or make changes to the colour, designs, materials and specifications of the products and options referred to herein at any time. For the most current information and in order to ascertain which accessories, applications, bodies and equipment are available from MBAuP please contact your authorised Mitsubishi FUSO truck and bus dealer. Fuso is a registered trademark of Mitsubishi Fuso Truck & Bus Corporation. Copyright © MBAuP. Reproduction in whole or part prohibited without written approval. Part Number TSH51E-SSV2. Valid from 01-Mar-17.