

MEDIUM WHEELBASE

HD FV2547

6x4 • EATON MANUAL AMT



Power / Torque:
346kW / 2,227Nm



Wheelbase:
4,300mm (K)



Suspension:
Steel / Air

- 30,000km service intervals
- Isringhausen driver's seat
- Non-synchromesh transmission
- 7.5T tare weight

SPECIFICATIONS - HD FV2547

MODEL

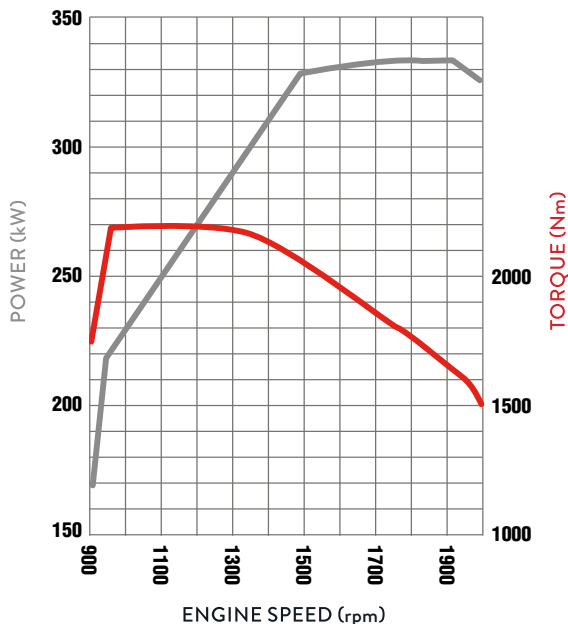
MODEL	SP.	Transmission	Susp.	Code	WHEELBASE (mm)	GVM (kg)	GCM (kg)
6x4 HD FV2547	12 SP.	AMT	Steel Susp.	FV51SK5VFAA	4,300 (K)	25,400	55,000
6x4 HD FV2447	12 SP.	AMT	Air Susp.	FV54SK5VFAA	4,300 (K)	24,000	55,000
6x4 HD FV2547	18 SP.	MAN	Steel Susp.	FV51SK5VFAA(18)	4,300 (K)	25,400	60,000

ENGINE

Engine Version	FUSO OM457-T5 Diesel
Configuration	6 Cyl. In-line OHV
Type	Waste-gate Turbocharged with Air to Air Intercooled
Displacement	12 litre (11,967cc)
Power (DIN)	335kW @ 1900rpm
Torque (DIN)	2200Nm @ 1100rpm
Power (JIS Gross)*	346kw (470ps) @1900rpm
Torque (JIS Gross)*	2227Nm (1644lbf ^{ft}) @1100rpm
Maximum Engine Speed (rpm)	2200
Cooling System/Oil Cooler	Water cooled with Viscous fan, 32.0L capacity. Engine oil cooler
Air Cleaner	Paper Element Type with Restrictor Indicator. Vertical Intake Mounted on Clean Air Side (RH)
Cold Start Preheat	Standard
Emission Control	Selective Catalytic Reduction (SCR)
Emission Level	Euro 5 (ADR 80/03)

*Calculated

OM457-T5



FUEL

Injection System	Electronically Controlled Unit Pump Injection
Tank Type	Rectangular Alloy Tank with Locking Cap
Fuel Capacity (L)	400
Filtration	Filter with Water Separator and Dash Indicator
AdBlue Exhaust Fluid Capacity	40 Litres, Tank fitted with locking AdBlue cap

ELECTRICAL

Voltage	24V Negative Ground
Alternator Capacity	24V-80 amp
Battery Specification	Heavy Duty 2 x 12V, 150Ah/20hr
Headlamp Type	Halogen 2 x 70w / 70W
Fog Light	Halogen

CLUTCH

	AMT 12sp	Man 18sp
Clutch Model	FUSO C12W43P	Spicer 15.5"
Type	Single Plate	Twin Plate Ceramic
Operation/Specification	Automated Manual (no clutch pedal)	Air Assisted Hydraulic

TRANSMISSION

Version	FUSO Automated Manual G230-12 (INOMAT-II)	EATON Manual 18sp
Type/Speeds	12 Speed AMT with Auto and Manual Modes Constant Mesh Non Synchronesh Transmission	RTLO-16918B 18 Speed Constant Mesh
Features	Crawler Mode Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage Start gear select Reverse Hi / Low	Counter-shaft Brake Oil Cooler
Ratios	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
Reverse	RHigh: 9.101 RLow: 11.673	1st: 14.400 2nd: 12.290 3rd: 8.560 4th: 7.300 5th: 6.050 6th: 5.160 7th: 4.830 8th: 3.740 9th: 3.200
PTO Opening	LH Side and Rear	10th: 2.780 11th: 2.290 12th: 1.950 13th: 1.620 14th: 1.380 15th: 1.170 16th: 1.000 17th: 0.860 18th: 0.730
		Reverse: RHigh: 3.430 RLow: 15.060
		PTO Opening: Lower Transmission

PROPELLER SHAFT

Type	Single Main Shaft GW5E2200, Inter-axle Shaft P12
------	--

FRONT AXLE

Axle Version	FUSO F900T "I" Beam
Type	Reverse Elliot "I" Beam
Design Capacity (kg)	7,100
Max Operating Capacity (kg)	7,100 (Subject to suitable tyres and certification)

FRONT SUSPENSION

Type	Long Taper Leaf with Double Acting Shock Absorbers
Size (mm)	1,500 x 90 Leaves

SPECIFICATIONS - HD FV2547

REAR AXLE

	AMT 12sp	Man 18sp
Type	Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock	Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock
Axle Version	FUSO D10HT/10H	FUSO D12HT/12H
Design Capacity (kg)	21,600	21,600
Max Operating Capacity (kg)	21,600	21,600
Ratio	4.625:1	

REAR SUSPENSION

	FV51SK5VFAA FV51SK5VFAA (18)	FV54SK5VFAA
Type	Mechanical Suspension	Air Suspension
Details	Long Leaf Taper, 6 Rod Trunnion	Trailing Arm with Air Dump control and double acting shock absorbers
Size Main Leaves (mm)	1,320 x 90	Air Bags (250mm) x 4

STEERING

Power Assisted	Tilt/Telescopic Adjustable Steering Wheel
----------------	---

BRAKES

Type	Full Air Taper Rollerdrum brakes with auto adjust, ABS plus ASR (Traction Control)	
Size Front/Rear (mm)	410 x 150 / 410 x 200	
Park Brake	Rear Wheel Spring Actuated	
	AMT 12sp	Man 18sp
Engine Brake	4 Stage Powertard + Exhaust brake with Shift Down Function	2 Stage Powertard + Exhaust brake
Compressor	636cc with air dryer	
Trailer Control Lever	Yes	
Air tanks	Alloy	

WHEELS AND TYRES

Wheel Type	10x Alcoa Alloy
Wheel Size	22.5 x 8.25DC
Wheel Stud Pattern	ISO 10 x 335mm PCD
Tyre Size Front / Rear	295/80R22.5 / 11R22.5

CHASSIS

Type	Super Frame Reinforced Parallel Channel
Size (mm)	300 x 90 x 7.0
Width (mm)	840

KERB WEIGHTS AND MAX AXLE LOADS (kg)

Model		Vehicle Ratings**		Max Axle Loadings**		Kerb Weights*		
		GVM	GCM	Front***	Rear	Front	Rear	Total
6x4 HD FV2547 12 Sp. AMT Steel Susp.	FV51SK5VFAA	25,400	55,000	7,100	21,600	4,270	3,380	7,650
6x4 HD FV2447 12 Sp. AMT Air Susp.	FV54SK5VFAA	24,000	55,000	7,100	21,600	4,330	3,140	7,470
6x4 HD FV2547 18 Sp. Man Steel Susp.	FV51SK5VFAA(18)	25,400	60,000	7,100	21,600	4,390	3,530	7,920

* Weights (est.) includes 10L fuel and spare wheel and are subject to 2.5% variation (+/-)

** Vehicle ratings and max axle loadings may be limited by local regulations.

*** Subject to suitable tyres and certification

OPTIONS

Options	Reverse camera and navigation system
---------	--------------------------------------

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

STANDARD FEATURES

Airbag	Driver's Air Bag and Seat Belt Pre-tensioner
Hill Start System	Yes
Speed Limiter 100km/hr	AMT 12spd is Activated by dealer Man 18spd is Standard Fitment
Cab Cooling and Heating	Climate Control
Accessory Power	24V Accessory Power Outlet/Cigar Lighter
Driving	Keyless Central Locking; Cruise Control Electric Windows; LH Transom Window Cup Holders; Fluorescent Cabin Lamp and Interior Reading Lamps; Engine Idle Speed Control
Audio	Multi Media 6.1" Touch screen audio with AM/FM/ DAB radio, Bluetooth, USB Port and DVD player
Storage	Large Centre Storage Console; Rear Bunk Storage Pocket; Dash Storage Tray 2 DIN; Overhead Console boxes
Chassis	Reverse Warning Buzzer

CAB FEATURES

Type	All Steel Forward Control Electric / Hydraulic Tilt Cab
Cab Structure	ECE-R29 European Cab Strength Approved with Door Side Impact Beams
Mounting	4 point Air Suspended Front and Rear
Doors	90deg Opening
Colour	Natural White (W31)
Windscreen	Laminated Tinted; Rear Quarter Glass
Windscreen Wipers	2 Speed + Intermittent Cycle with Integrated Washer Nozzles
Rear Vision Mirrors	Remote Control /Heated with Convex Spotter (Both Sides)
Seating Capacity	2
Seat Belts	Lap Sash Belts
Seat (driver)	ISRI Air Suspension with Auto Levelling, Height, Tilt and Dampening Adjustment
Seats (passenger)	Bucket seat with Integral Headrest and Fabric Trim
Interior	Fully trimmed with rear bunk mattress; Heavy Duty Vinyl on floor; Curtains
External	Roof Mounting Points (max. static load 50kg); Front End-Outline Marker Lamps Lift up front maintenance panel

SPECIFICATIONS - HD FV2547

SERVICE INTERVALS

Please contact your nearest Fuso dealer for details

WARRANTY

36 months or 250,000km (whichever occurs sooner)
Subject to terms and conditions in the Fuso Warranty Booklet

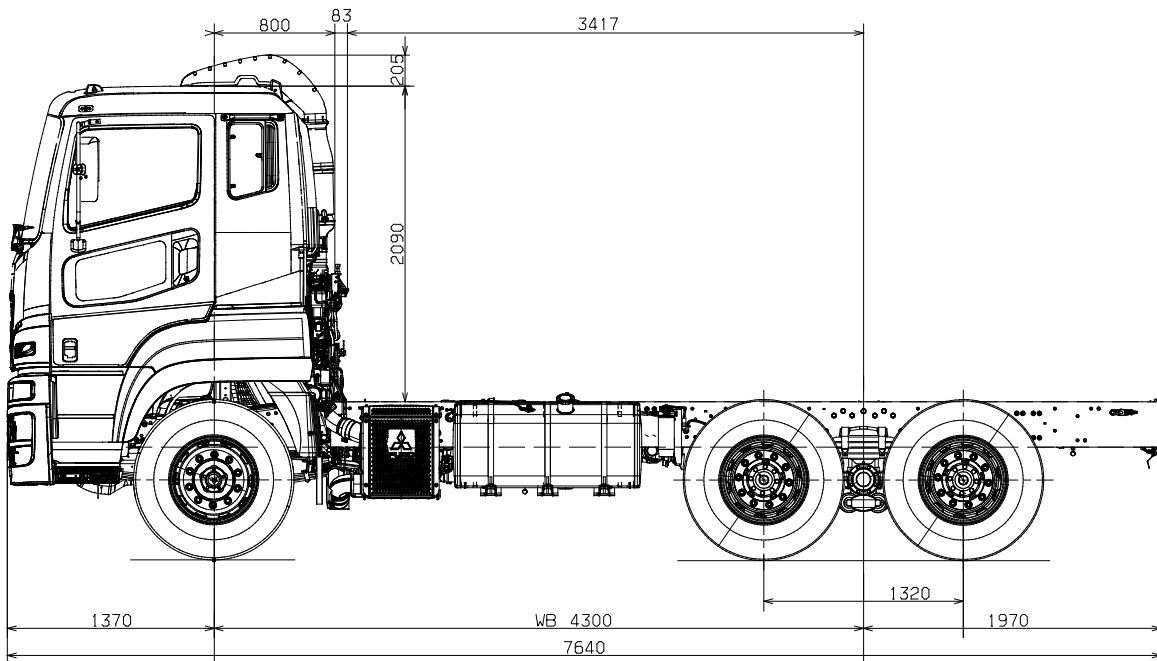
PERFORMANCE

Turning Circle (kerb to kerb - metres)	15.0	
	AMT 12sp	Man 18sp
Road Speed (km/h) at Max Engine Speed	117	100km/hr speed limited
Engine Speed (rpm) 90km/hr (top gear)	1700	1600
Gradeability at Rated GCM (theoretical)*	30%	37%

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

DIMENSIONS (mm)

Wheelbase	4,300
Length Overall	7,640
Height Overall	3,300
Width Overall	2,490
Width Rear Axle	2,470
Width Front Track	2,050
Width Rear Track	1,850
Width Frame	840
Height Frame at Rear Axle	Steel Susp = 1,058 Air Suspension = 990



HD FV2547 - 'K' WHEELBASE

1000
UNIT: mm 20mm = 1m

Scale = 1:50 (20mm = 1 metre). This scale is accurate when used on the original spec sheet, be aware that enlarging these illustrations can alter the scale and cause incorrect measurements. Fuso New Zealand and its authorised dealers always recommend customers seek professional advice from independent sources before commencing any engineering activities.

A policy of continual improvement means that specifications detailed in this brochure are subject to change without notice. Contact your authorised Fuso dealer to confirm current specifications. Fuso is a registered trademark of Mitsubishi Fuso Truck & Bus Corporation. Copyright © Fuso NZ (2017)