

HD FV2547

6x4 • EATON MANUAL or AMT



GVM

25,400_{kg}

GCM

55,000_{kg} / 60,000_{kg}

Power / Torque

346kW / 2227Nm

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

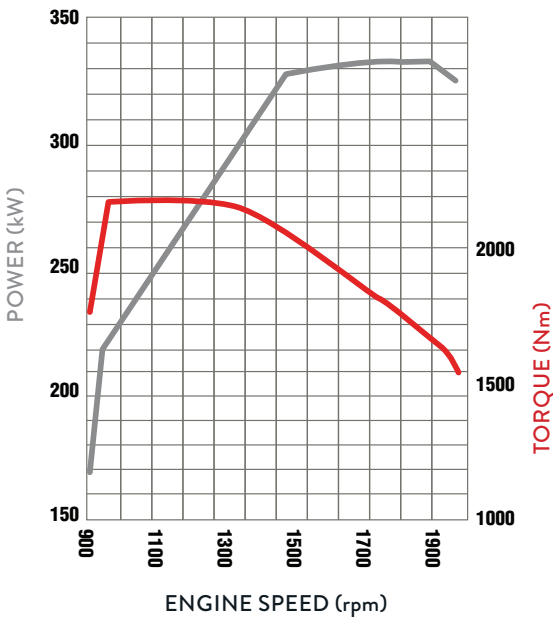
SPECIFICATIONS - HD FV2547

MODEL

					WHEELBASE (mm)	GVM (kg)	GCM (kg)
6X4 HD FV2547	12 SP.	AMT	Steel Susp.	FV51SK5VFAA	4,300 (K)	25,400	55,000
6X4 HD FV2547	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 (1644lbft) @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)



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 2x12V, 150Ah/20hr
Headlamp Type	Halogen 2x70w / 70W

ELECTRICAL (continued)

Fog Light	Halogen
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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	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 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: 9.101 RLow: 11.673	RHigh: 3.430 RLow: 15.060
PTO Opening	LH Side and Rear	Lower Transmission

PROPELLER SHAFT

Type	Single Main Shaft GW5E2200, Inter-axle Shaft P12
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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	FV51SK5VFAA = 4.625:1 FV54SK5VFAA = 4.222:1	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

OPTIONS

Options	Reverse camera and navigation system
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STEERING

Power Assisted	Tilt/Telescopic Adjustable Steering Wheel
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BRAKES

Type	Full Air Taper Rollerdrum brakes with auto adjust, ABS plus ASR (Anti Slip Regulator)	
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

	AMT 12sp	Man 18sp
Wheel Type	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	275/70R22.5

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 FV2547 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

CHASSIS

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

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(s)	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

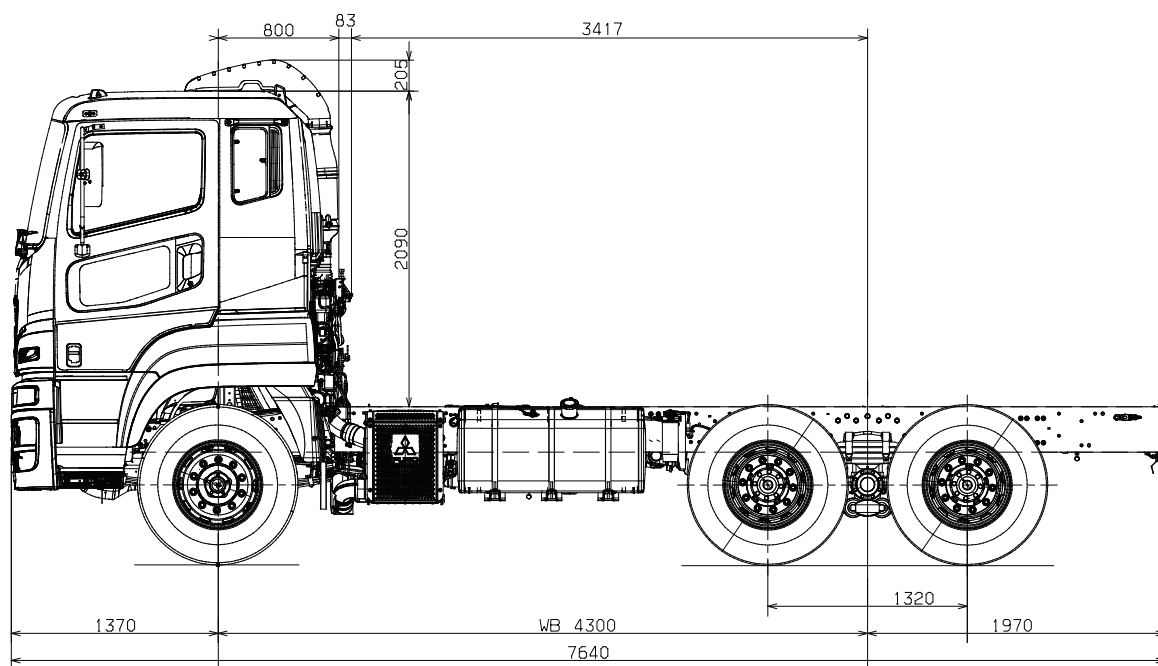
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PERFORMANCE

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.

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