

# HD FS3147

8x4 • AMT



**Power / Torque:**  
346kW / 2,227Nm



**Wheelbase (mm):**  
5,870 / 5,900 (S)



**Suspension:**  
Steel / Air

- 30,000km service intervals
- Class-leading comfort and ride
- Non-synchromesh transmission
- Low tare weight

# SPECIFICATIONS - HD FS3147

## MODEL

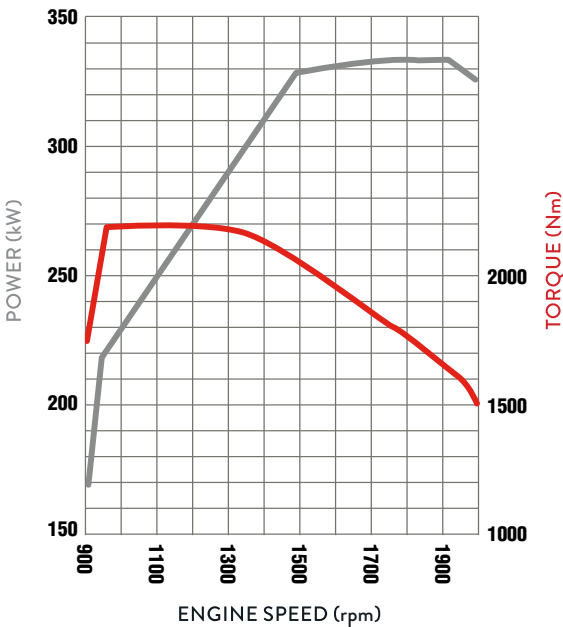
					WHEELBASE (mm)	GVM (kg)	GCM (kg)
8x4 HD FS3147	12 SP.	AMT	STEEL SUSP.	FS52SS5VFAA	5,870 (S)	30,800	55,000
8x4 HD FS3147	12 SP.	AMT	AIR SUSP.	FS54SS5VFAA	5,900 (S)	30,800	55,000
8x4 HD FS3147 HI-TOP	12 SP.	AMT	AIR SUSP.	FS54SS5VFAB	5,900 (S)	30,800	55,000

## 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)

\*Calculated

## OM457-T5



## FUEL

Injection System	Electronically Controlled Unit Pump Injection
Tank Type	Rectangular Steel 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

Clutch Model	FUSO C12W43P
Type	Single Plate
Operation/Specification	Automated Manual (no clutch pedal)

## TRANSMISSION

Version	FUSO Automated Manual G230-12 (INOMAT-II)
Type/Speeds	12 Speed AMT with Auto and Manual Modes Constant Mesh Non Synchronesh Transmission
Features	Crawler Mode; Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage Start gear select. Reverse Hi / Low
Ratios	1st: 11.672      8th: 2.068 2nd: 9.101      9th: 1.603 3rd: 7.055      10th: 1.250 4th: 5.501      11th: 1.000 5th: 4.400      12th: 0.779 6th: 3.430      RHigh: 9.101 7th: 2.652      RLow: 11.673

PTO Opening LH Side and Rear of XMSM

## PROPELLER SHAFT

Type	Two Main Shafts 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)	14,200
Max Operating Capacity (kg)	14,200 (Subject to suitable tyres and certification)

## FRONT SUSPENSION

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

## REAR AXLE

	Steel 6 Rod (FS52)	Air (FS54)
Type	Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock	
Axle Version	FUSO D10HT/10H	
Design Capacity (kg)	21,600	
Max Operating Capacity (kg)	21,600	
Ratio	4.625:1	4.222:1

# SPECIFICATIONS - HD FS3147

## REAR SUSPENSION

	Steel 6 Rod (FS52)	Air (FS54)
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
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## 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
Engine Brake	4 Stage Powertard + Exhaust brake with Shift Down Function
Compressor	636cc with air dryer
Trailer Control Lever	Yes
Air tanks	Alloy

## WHEELS AND TYRES

	Steel 6 Rod (FS52)	Air (FS54)
Wheel Type	10 x 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
Option	LP - 275/70R22.5 + 4.222 diff ratio	n/a

## CHASSIS

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

## OPTIONS

Reverse camera and navigation system
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## 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	Activated by dealer
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 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	Meets ECE-R29 European Cab Strength (max front axles weight 13.0T); 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 Carpet on floor; Curtains
External	Roof Mounting Points (max. static load 50kg) Front End-Outline Marker Lamps Lift up front maintenance panel

## SERVICE INTERVALS

Please contact your nearest Fuso dealer for details
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## WARRANTY

36 months or 250,000km (whichever occurs sooner) Subject to terms and conditions in the Fuso Warranty Booklet
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## KERB WEIGHTS AND MAX AXLE LOADS (kg)

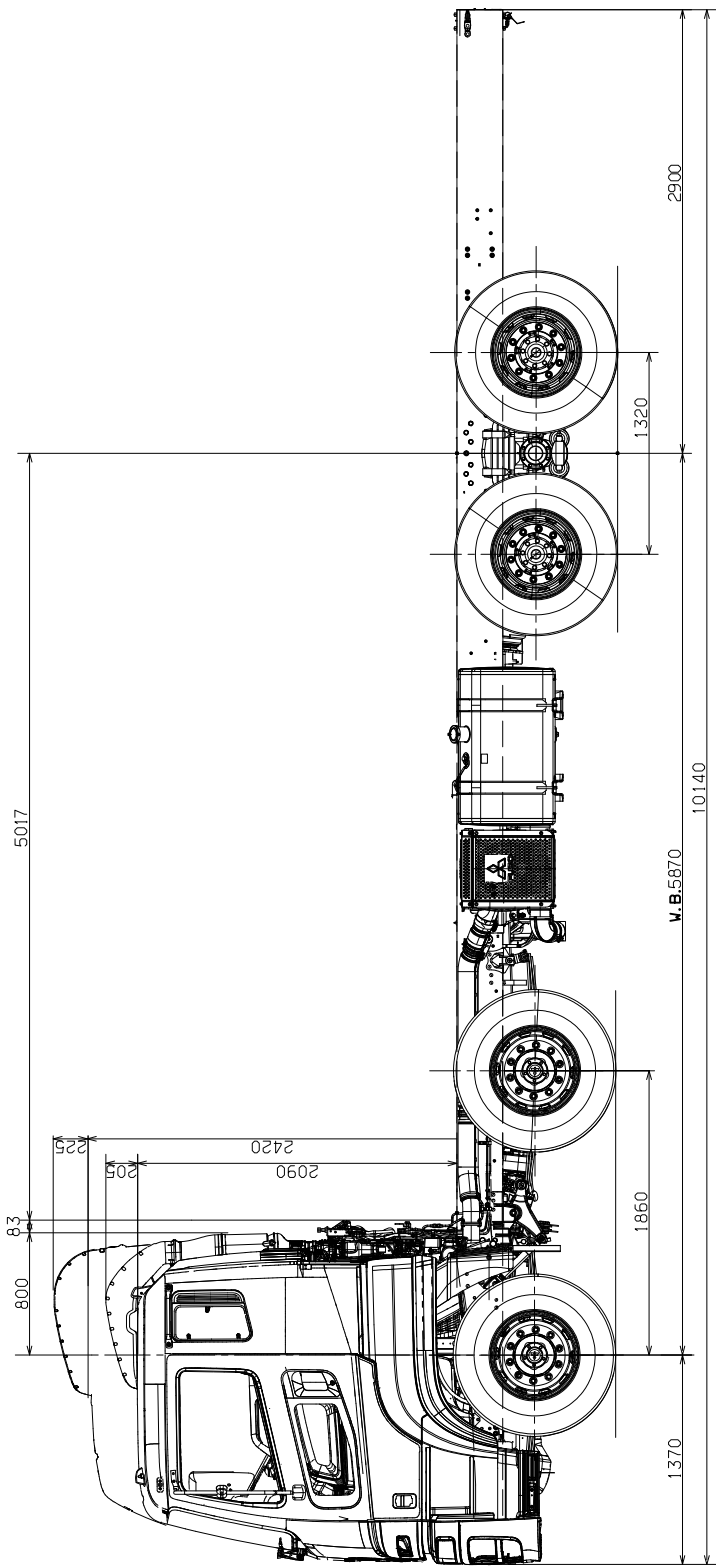
Model		Vehicle Ratings**		Max Axle Loadings**		Kerb Weights*		
		GVM	GCM	Front***	Rear	Front	Rear	Total
8x4 HD FS3147 12 Sp. AMT Steel Suspension	FS52SS5VFAA	30,800	55,000	14,200	21,600	5,990	2,790	8,780
8x4 HD FS3147 12 Sp. AMT AIR Suspension	FS54SS5VFAA	30,800	55,000	14,200	21,600	5,970	2,620	8,590
8x4 HD FS3147 Hi Top 12 Sp. AMT AIR Suspension	FS54SS5VFAB	30,800	55,000	14,200	21,600	6,050	2,620	8,670

\* Weights (est.) includes 10L fuel and are subject to 3.5% variation (+/-)

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

\*\*\* Subject to suitable tyres and certification

# SPECIFICATIONS - HD FS3147



UNIT: mm 20mm 1000mm

**HD FS3147- 'S' WHEELBASE**  
WB - FS52 - 5,870mm  
FS54 - 5,900mm

## PERFORMANCE

Turning Circle (kerb to kerb - metres)	21.6
Road Speed (km/h) at Max Engine Speed	117
Engine speed (rpm) at 90km/h (top gear)	1700
Gradeability at Rated GCM (theoretical)*	30%

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

## DIMENSIONS (mm)

	Steel 6 Rod (FS52)	Air (FS54)
Wheelbase	5,870	5,900
Length Overall	10,140	
Height Overall	3,330	
	Hi Top roof = 3,640	
Width Overall	2,490	
Width Rear Axle	2,470	
Width Front Track	2,055	
Width Rear Track	1,850	
Width Frame	840	
Height Frame at Rear Axle	1,060	990

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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