

HD FS3141

8x4 • AMT OR ALLISON AUTO



Power / Torque:
302kW / 2,027Nm



Wheelbase:
5,870mm (S)



Suspension:
Steel

- 30,000km service intervals
- Isringhausen driver's seat
- Non-synchromesh transmission
- Flywheel PTO available

SPECIFICATIONS - HD FS3141

MODEL

8x4 HD FS3141	12 SP.	AMT	FS52SS3VFAA	5,870
8x4 HD FS3141	6 SP.	AUTO	FS52SS3FAA	5,870

WHEELBASE (mm)

GVM (kg)

GCM (kg)

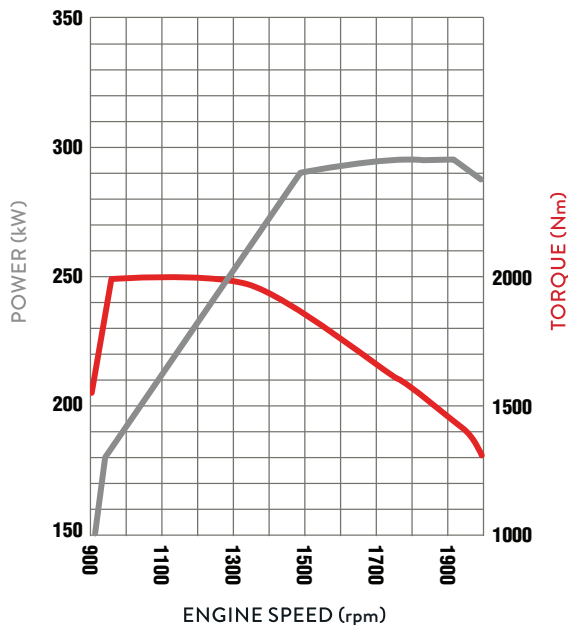
30,800	53,000
30,800	53,000

ENGINE

Engine Version	FUSO OM457-T3 Diesel
Configuration	6 Cyl. In-line OHV
Type	Waste-gate Turbocharged with Air to Air Intercooled
Displacement	12 litre (11967cc)
Power ECE Nett	295kW @ 1900rpm
Torque ECE Nett	2000Nm @ 1100rpm
Power (JIS Gross)*	302kw (410ps) @1900rpm
Torque (JIS Gross)*	2027Nm (1495lbft) @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	N/A
Emission Control	Selective Catalytic Reduction (SCR)
Emission Level	Euro 5 (ADR 80/03)

*Calculated

OM457-T3



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 (L)	40 (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
Clutch Model	FUSO C12W43P
Type	Single Plate
Operation / Specification	Automated Manual (no clutch pedal)

TRANSMISSION

Version	FUSO Automated Manual G230-12 (INOMAT-II)	Allison Automatic HD4000	
Type/Speeds	12 Speed AMT with Auto and Manual Modes Constant Mesh Non Synchronesh Transmission , Crawler Mode Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage Start gear select, Reverse Hi / Low	6 Speed Generation 5 Control Systems	
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 RHigh: 9.101 RLow: 11.673	1st: 3.510 2nd: 1.906 3rd: 1.429 4th: 1.000 5th: 0.737 6th: 0.639 Rev: 4.801
PTO Opening	LH Side and Rear	Top Mount Only	
Torque Converter / Stall Torque Ratio	N/A	TC541/1.897	

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 Load Sharing and Double Acting Shock Absorbers
Size	1,500 x 90mm Leaves

REAR AXLE

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	AMT 4.625:1 Auto 6.166

SPECIFICATIONS - HD FS3141

REAR SUSPENSION

Type	Mechanical Suspension
Details	Long Leaf Taper, 6 Rod Trunion
Size Main Leaves (mm)	1,320 x 90

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	
Engine Brake	AMT 4 Stage Powertard + Exhaust brake with Shift Down Function	Auto 2 Stage Powertard + Exhaust brake
Compressor	636cc with air dryer	
Trailer Control Lever	Yes	
Air tanks	Alloy	

WHEELS AND TYRES

Wheel Type	12 x Single Piece Steel Disc
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

OPTIONS

Options	Reverse camera and navigation system
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PTO

PTO	Flywheel (Live Drive) PTO standard on AMT model
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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	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	3
Seat Belts	Lap Sash Belts for Outside Seating Positions Lap Belt for Centre Seat
Seat (driver)	ISRI Air Suspension with Auto Levelling, Height, Tilt and Dampening Adjustment
Seats (passenger)	Bench with Integral Headrest and Fabric Trim
Interior	Fully trimmed with rear bunk mattress Heavy Duty Vinyl on floor
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

WARRANTY

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

KERB WEIGHTS AND MAX AXLE LOADS (kg)

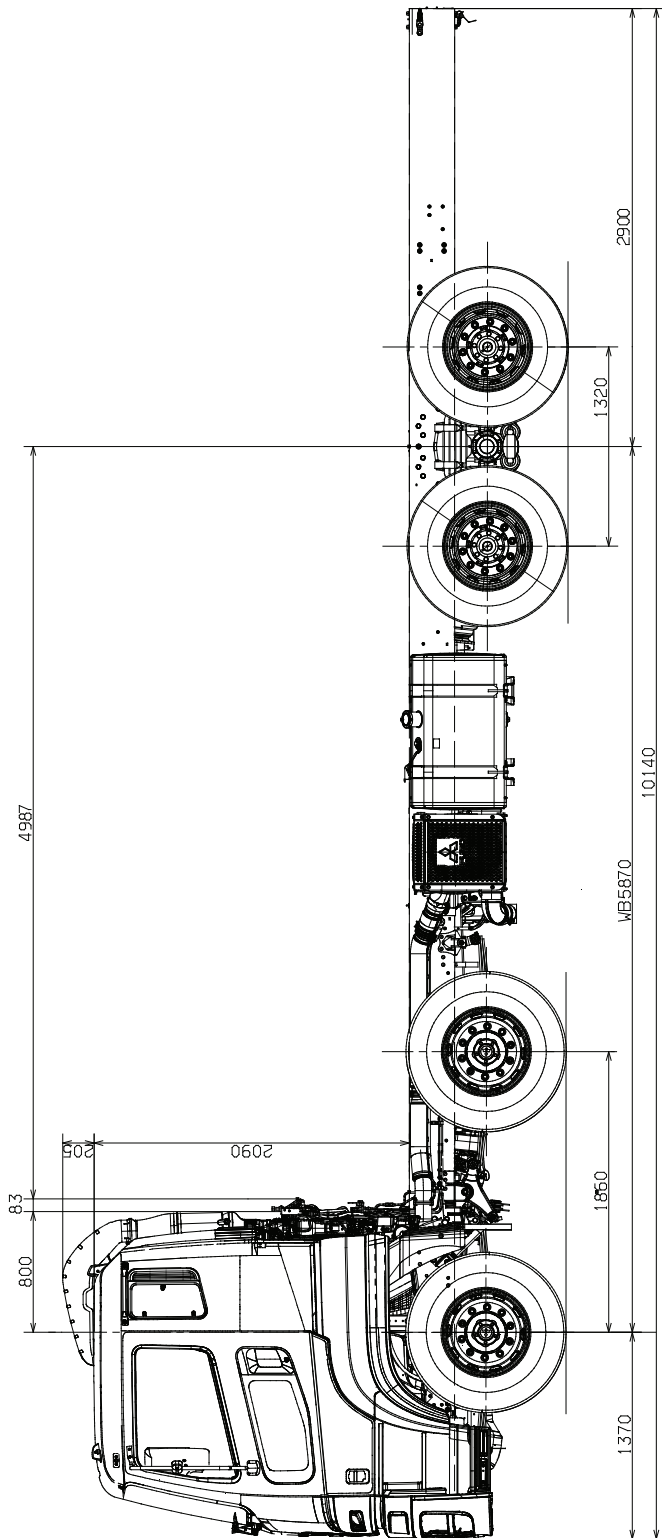
Model		Vehicle Ratings**		Max Axle Loadings**		Kerb Weights*		
		GVM	GCM	Front***	Rear	Front	Rear	Total
8x4 HD FS3141 12 Sp. AMT	F552SS3VFAA	30,800	53,000	14,200	21,600	5,795	3,045	8,840
8x4 HD FS3141 6 Sp. AUTO	F552SS3FAA	30,800	53,000	14,200	21,600	6,030	3,030	9,060

* 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

SPECIFICATIONS - HD FS3141



HD FS3141- 'S' WHEELBASE

PERFORMANCE

	AMT	AUTO
Turning Circle (kerb to kerb - metres)	21.6	21.6
Electronically Speed Limited to:	100km/hr	100km/hr
Engine speed (rpm) at 90km/h (top gear)	1700	1860
Gradeability at Rated GCM (theoretical)*	23%	12%

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

DIMENSIONS (mm)

Wheelbase	5,870
Length Overall	10,140
Height Overall	3,330
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	1,060

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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