

# HEAVY

**FUSO**

## Heavy FS52 8x4.

AMT OR AUTO / MECH SUSP. / LWB



**40,000KM SERVICE INTERVALS**

**GVM**

**30,800<sub>KG</sub>**

**GCM**

**53,000<sub>KG</sub>**

**Power/Torque**

**400<sub>HP</sub> / 2,000<sub>NM</sub> OR**

**455<sub>HP</sub> / 2,200<sub>NM</sub>**

- Heavy rigid licence required
- Flywheel Live Drive PTO option available on 400Hp Model

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**JOB DONE**

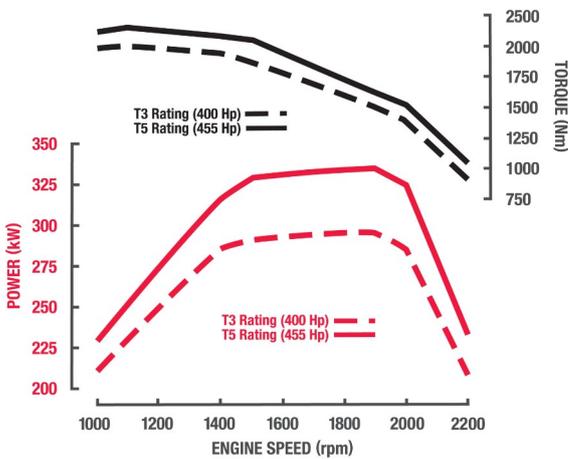
# SPECIFICATIONS

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MODEL	WHEEL BASE	GVM (optional)	GCM (optional)
A 8x4 FS52 400hp LWB 12 Sp. AMT (FS52SS3VFAA)	5870mm	30,800kg	53,000kg
B 8x4 FS52 455hp LWB 12 Sp. AMT (FS52SS5VFAA)	5870mm	30,800kg	53,000kg
C 8x4 FS52 400hp LWB 6 Sp. AUTO (FS52SS3FAA)	5870mm	30,800kg	53,000kg

Engine	
Engine Version	A C FUSO OM457-T3 Diesel B FUSO OM457-T5 Diesel
Configuration	6 Cyl. In-line OHV
Type	Waste-gate Turbocharged with Air to Air Intercooled
Displacement	12 litre (11967cc)
Bore	128mm
Stroke	155mm
Power (DIN)	A C 295kW @ 1900 rpm B 335kW @ 1900 rpm
Torque (DIN)	A C 2000 Nm (1475 lb.ft) @ 1100 rpm B 2200 Nm (1622 lb.ft) @ 1100 rpm
Maximum Engine Speed	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



Fuel	
Injection System	Electronically Controlled Unit Pump Injection
Tank Type	Rectangular Steel 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

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

Transmission	
Version	A B FUSO Automated Manual G230-12 C Allison Automatic HD4000
Type/Speeds	A B 12 Speed Automated Manual with Auto, Economy and Manual Modes C 6 Speed
Features	A B Crawler Mode Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage C Generation 5 Control Systems. Torque Converter/Stall Torque Ratio: TC541/1.897.
Ratios	A B 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 C 1st: 3.510 2nd: 1.906 3rd: 1.429 4th: 1.000 5th: 0.737 6th: 0.639 Rev. 4.800
PTO Opening	A B LH Side and Rear of XMSM C Top Mount Only

Propeller Shaft	
Type	Two Main Shafts GW5E2200 Inter-axle Shaft P12

Front Axle	
Axle Version	FUSO F090T
Type	Reverse Elliot 'I' Beam
Capacity *	15000kg total
Notes	*See MAX LOADING for vehicle capacity.

Front Suspension	
Type	Long Taper Leaf (Load Sharing) 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	A B 4.625:1 C 6.166:1
Notes	*See MAX LOADING for vehicle capacities

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## Rear Suspension

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

## Max Loading

Front	13000kg
Rear	21600kg
Total	<b>A C</b> 30800kg
	<b>B</b> 30800kg 34000kg (with H34 Option)

## Options

Options	<b>A</b> R11: Flywheel (Live Drive) PTO	<b>B</b> H34: 34000kg GVM / 34000kg GCM for 'Special Vehicles' such as Concrete Pumpers
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## 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	<b>A B</b> Hand Control Valve, Air Lines <b>C</b> Coupling and Electrical Cable

## Wheels & Tyres

Wheel Type	<b>A C</b> 13, Single Piece Steel Disc (Including Spare)	<b>B</b> 13, 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	Provided	

## Chassis

Type	Reinforced Parallel Channel
Size	300x90x7.0 mm
Width	840 mm
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	<b>A B</b> 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	<b>C</b> ABS ASR Turn Signal High Beam Engine Brake Brake Fog Lamp All Major System Faults Oil Level Ad Blue Low Alternator Differential Lock Cruise Control Cab Tilt Lock
Warning Lamp/Buzzer	<b>A B</b> Air Pressure Oil Pressure Hill Start Park Brake Engine Overrun Engine Overheat / Low Coolant Level	<b>C</b> Air Pressure Oil Pressure 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+)
Reversing Camera	Display can accept up to 3 cameras#
Compatible	
Notes	# Cameras available through spare parts

## Standard Features

Airbag(s)	Driver's Air Bag and Seat Belt Pre-tensioners	
Hill Start System	<b>A B</b> Yes	<b>C</b> No
Cab Cooling & Heating	Climate Control	
Accessory Power	24V Accessory Power Outlet / Cigar Lighter	
Driving	<b>A B</b> Suspended Driver's Seat Central Locking Electric Windows Cruise Control (range 40 to 100km/h) LH Transom Window Opening Rear Quarter Glass Cup Holder Fluorescent Cabin Lamp Trailer Package including Trailer 'Stretch Brake'	<b>C</b> Suspended Driver's Seat Central Locking Electric Windows Cruise Control (range 40 to 100km/h) LH Transom Window Opening Rear Quarter Glass Cup Holder Fluorescent Cabin Lamp
Storage	Centre Storage Console Dash Storage Tray 2 DIN Driver's Overhead Storage Coat Hooks	
Cab: External	Fog Lights Door Side Impact Beams Roof Mounting Points (max. static load 70kg) Front End-Outline Marker Lamps	
Chassis	Integrated Front Underrun System (FUPS) Reverse Warning Buzzer Clear Top of Chassis Rail for ease of Body Fitment	



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