

FS3140

FS3146

FS3146 HI TOP

# SHOGUN FS

8x4 ■ SHIFTPILOTT



**NEW**  
GENERATION

+ ADVANCED  
SAFETY SYSTEMS

**EURO 6**  
ENGINE +  
TRANSMISSION



**Power / Torque:**  
400ps/2,011Nm  
460ps/2,213Nm



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



**Suspension:**  
Steel

- Active Emergency Braking
- Electronic Stability Control
- Lane Departure Warning

- Adaptive Cruise Control
- Driver Fatigue Monitoring
- 5yr/500,000km Warranty *(T&Cs inside)*

# SPECIFICATIONS - SHOGUN FS MODELS

## MODEL

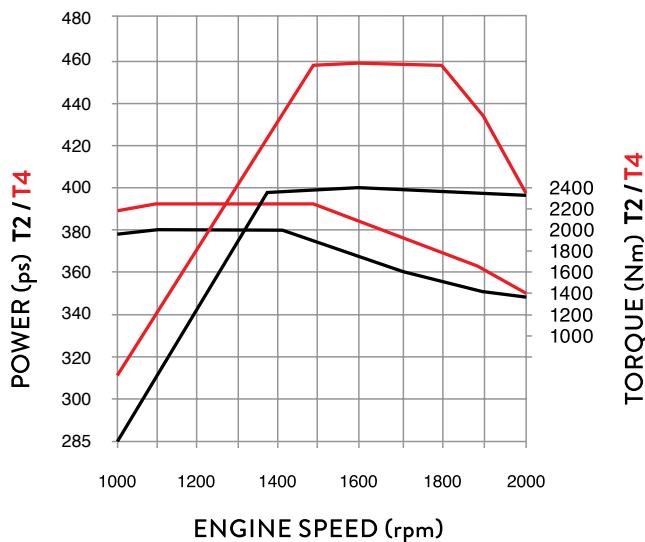
MODEL	WHEELBASE (mm)	GVM (kg)	GCM (kg)
8x4 FS3140	5,870 (S)	30,800	53,000
8x4 FS3146	5,870 (S)	30,800	55,000
8x4 FS3146 HI TOP	5,870 (S)	30,800	55,000

**EURO 6**  
ENGINE +  
TRANSMISSION

## ENGINE

Engine Version	FUSO OM470 6 Cyl. In-line DOHC	
Displacement	11 Litre (10,671cc)	
	<b>FS3140</b>	<b>FS3146</b>
Power (DIN)*	T2: 400ps (293kW) @ 1600rpm	T4: 460ps (338kW) @ 1600rpm
Torque (DIN)*	T2: 2,011Nm (1484lbft) @ 1100rpm	T4: 2,213Nm (1633lbft) @ 1100rpm
Air Cleaner	Vertical Intake Mounted on Clean Air Side (RH)	
Emission Control	Selective Catalytic Reduction (SCR + DPF)	
Emission Level	EURO 6 (ADR80/03)	
Option (FS3146)	Engine Live Drive PTO Max Continuous Output 650Nm (780Nm Peak) Ratio 1:1.3043 Rotation Direction: Opposite Engine	

## OM470 – T2 & T4



## FUEL

Injection System	X Pulse Common Rail High Pressure Direct Injection
Tank	400L Rectangular Alloy Tank + Locking Cap
AdBlue Exhaust Fluid Capacity	60L Tank + Locking Cap

## ELECTRICAL

Voltage	24V Negative Ground, 100A Alternator
Battery Specification	Heavy Duty 2x12V, 150Ah / 20hr

## CLUTCH

Type	FUSO Single Plate Fully Automated
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## TRANSMISSION

Version	FUSO SHIFTPILOT GENERATION 3 Automated Manual G230-12
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## TRANSMISSION CONTINUED

Type / Speeds	12 Speed Auto + Manual Modes Constant Mesh Non Synchromesh Transmission Standard + Power Modes: Calibrated for NZ Conditions Skip Shift Function for Light Loads	
Features	Driver Activated Kick Down Crawler Mode + Rock-Free Mode Eco Roll + Eco Cruise	
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
PTO Opening	Rear	

## FRONT AXLE

Axle Version	FUSO F900T "I" Beam
Max Operating Capacity (kg)	13,000

## FRONT SUSPENSION

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

## REAR AXLE

Axle	D10 Hypoid Tandem Drive + Inter-Axle Diff Lock	
Max Operating Capacity (kg)	21,600	
	<b>FS3140</b>	<b>FS3146</b>
Ratio	4.625:1	4.625:1
Option	N/A	4.222:1 + 275/70R22.5

## REAR SUSPENSION

Details	Mechanical 6 Rod Long Taper Leaf 6 Rod Trunnion
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## BRAKES

Type	Full Air Taper Roller Drum Brakes + Auto Adjust, EBS, ABS, ASR (Traction Control)
Size Front / Rear (mm)	410x150 / 410x200
Park Brake	Rear Wheels Spring Actuated
Engine Brake	Jake Brake: Three-Stage including Shift Down Function – Max 335kW (460ps)
Air Compressor	Two-Stage + ECU Control for Fuel Saving
Air tanks	Alloy

## WHEELS AND TYRES

Wheels	12 x Alcoa Alloy 22.5 x 8.25" ISO 10 Stud	
	<b>FS3140</b>	<b>FS3146</b>
Size Front / Rear	295/80R22.5/11R22.5	295/80R22.5/11R22.5
Option	N/A	275/70R22.5 + 4.222 Diff Ratio

# SPECIFICATIONS - SHOGUN FS MODELS

ADVANCED  
SAFETY  
SYSTEMS

## CHASSIS

Type	Super Frame, Single Skin, Reinforced Parallel Channel
Size / Width (mm)	300x90x7.0/840
Refer to the bodybuilders guidelines on the Fuso website ( <a href="http://www.fuso.co.nz">www.fuso.co.nz</a> ) before mounting a body or modifying the chassis	

## INSTRUMENTS

Gauges	Speedo/Tacho/Air Pressure/Fuel Level/Ad Blue Level
Multi-Information Display accessed from steering wheel buttons	Digital Speedo Advanced Safety Systems Control Water Temperature Fuel Consumption Warning Lamps Service Indicators Hour Meter + Tripmeter Oil Level Check Alarm Clock
Steering wheel controls	Audio / Phone / Cruise Control / Multi-Information Display Menu / Speed Limiter

## STANDARD FEATURES

Cab Cooling and Heating	Climate Control Air Conditioning
Accessory Power	24V Accessory Power Outlet x 2
Driving	SMART Key Push Button Start + Keyless Central Locking Electric Windows Fluorescent Cabin Lamp Interior Reading Lamps Engine Idle Speed Control

## CAB FEATURES

Type	All Steel 4 Point Air Suspended + Electric / Hydraulic Tilt Cab <b>FS3140:</b> Low Floor <b>FS3146 Hi Top:</b> 350mm Extra Headroom + Large Overhead Glovebox
Colour	Natural White (W31)
Seating Capacity	2 + Large Centre Console
Seat (driver)	Air Suspension, Integrated Seat Belt, Auto Levelling, Armrest, Height, Tilt, Lumbar + Dampening Adjust
Seats (passenger)	Bucket Seat with Integral Headrest
Interior	Fully Trimmed + Heavy Duty Vinyl on Floor Premium Rear Bunk Mattress + Curtains <b>FS3146 Hi Top:</b> Carpet on Floor + 4 Speakers
External	Roof Mounting Points (max. static load 50kg) Front End-Outline Marker Lamps

## SERVICE INTERVALS

**60,000km full service / 15,000km safety inspection**  
60,000km full service intervals, depending on application/use. 15,000km safety inspection, with greasing, required for reliability and to maintain warranty cover.

## WARRANTY

**5 years / 500,000km**  
Simply have your vehicle serviced at an authorised FUSO Service Centre, at the recommended servicing intervals, and you are covered by an additional 2 year / 250,000km FUSO warranty on top of the first 3 years / 250,000km. That's a total of 5 years / 500,000km cover! Refer to the terms and conditions in the FUSO warranty booklet for full details.

## KERB WEIGHTS AND MAX AXLE LOADS (kg)

Model		Vehicle Ratings**		Max Axle Loadings**		Kerb Weights*		
		GVM	GCM	Front	Rear	Front	Rear	Total
8x4 FS3140 12 Sp. SHIFTPILOT Steel Susp.	FS72HS2VFBA	30,800	53,000	13,000	21,600	5,770	3,140	8,910
8x4 FS3146 12 Sp. SHIFTPILOT Steel Susp.	FS72HS4VFBA	30,800	55,000	13,000	21,600	5,750	3,110	8,860***
8x4 FS3146 HI TOP 12 Sp. SHIFTPILOT Steel Susp.	FS72HS4VFB	30,800	55,000	13,000	21,600	5,780	3,110	8,890***

\* Weights (est.) includes 10L fuel and are subject to 3.5% variation (+/-)  
\*\*\* 275/70R22.5 Tyres

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

## SAFETY FEATURES

### ACTIVE SAFETY FEATURES

Electronic Brake System (EBS)	Yes
Electronic Stability Control (ESC)	Yes
Active Brake Assist (ABA4)	Yes
Lane Departure Warning System (LDWS)	Yes
Active Attention Assist (Driver Fatigue Monitoring)	Yes
Proximity Control Assist (Adaptive Cruise Control)	Yes

### CAB: STANDARD AND HI TOP

Structure	ECE-R29 European Cab Strength (max front axle weight 6.5T) Door Side Impact Beams
Airbags	Driver (steering wheel)
Seatbelts	Pre-tensioner, Integrated with seat (driver), Warning Light (driver)
Front Underrun Protector Beam (FUP)	Yes
Steering Wheel	Leather, Tilt / Telescopic Adjustable
Rearview Mirrors	Remote Control, Heated + Separate Convex Spotter (both sides)
Auto-sensing Headlamps	Xtra Vision LED (low beam) Halogen (high beam) Manual height adjustment
Fog Lamps	Yes
Front Step Lights	Yes
Keyless Central Locking	Yes
Wipers	Auto sensing
Trailer Brake Control Lever	Yes
7" Touchscreen Media Unit	AM/FM/DAB + USB + AUX Apple CarPlay + Android Auto Wi-Fi enabled for Internet Radio Bluetooth, 32GB capacity storage HD Reverse Camera included †

### CHASSIS

Speed Limiter	Yes (100km/h factory setting)
Jake Engine Brake (460ps)	Yes
Anti-Lock Braking System (ABS)	Yes
Brake Override System	Yes
Hill Start System	Yes
Traction Control (ASR)	Yes
Interaxle Diff Lock	Yes
Emergency Stop Signal (ESS)	Yes
Reverse Warning Buzzer	Yes

### OPTIONS

† Additional Touchscreen Display Cameras (up to 4)
Truck Specific GPS Navigation
Reversing Sensors
Tyre Pressure Monitoring System (up to 36 tyres)
Wireless Phone Charge Pocket

# SPECIFICATIONS - SHOGUN FS MODELS

## PERFORMANCE

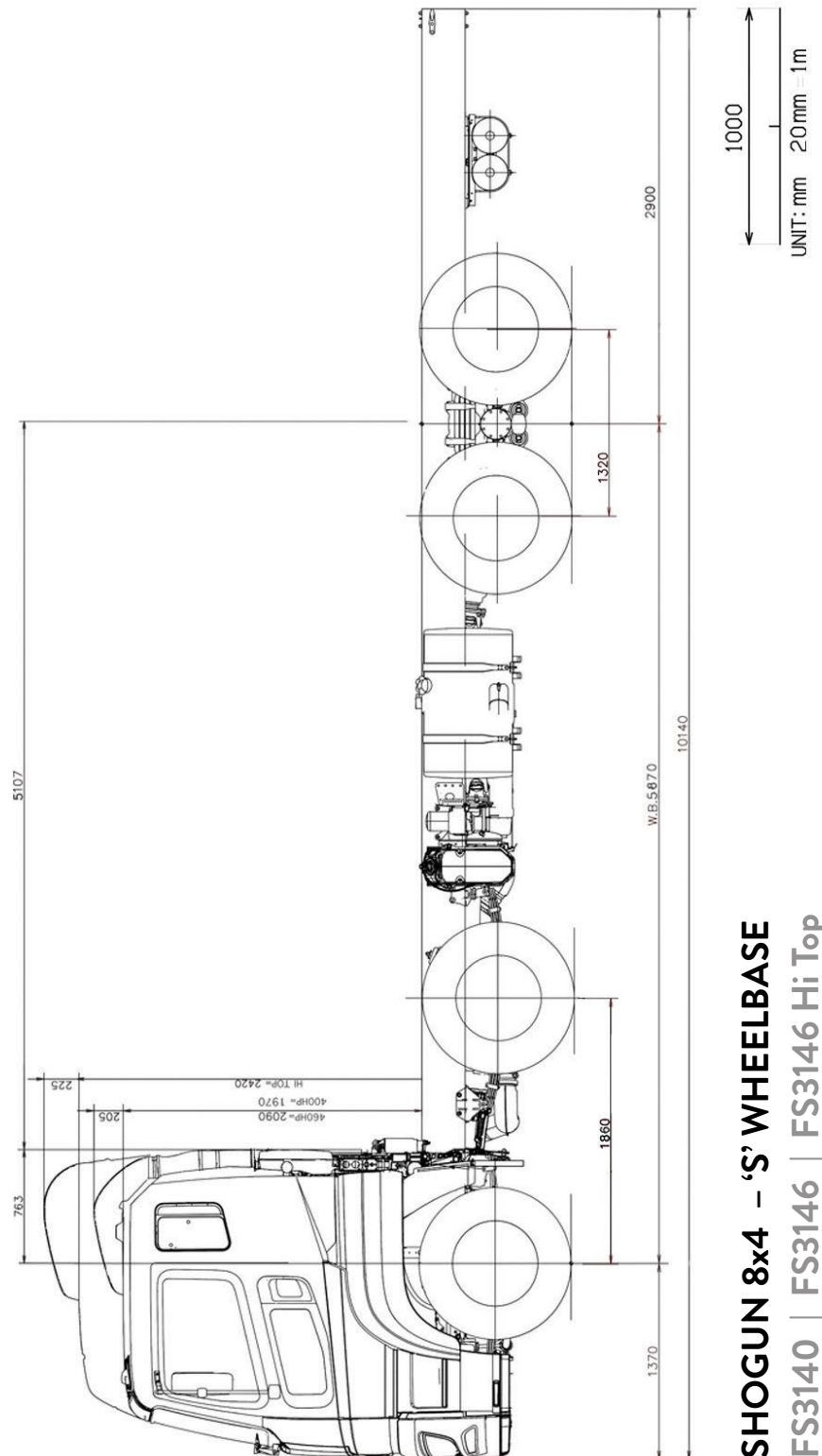
Turning Circle (kerb to kerb - metres)	21.6
Electronically Speed limited to 100km/hr	Can be adjusted lower by dealer
Engine Speed (rpm) 90km/hr (top gear)	1,700
Gradeability at Rated GCM (theoretical)*	FS3140: 25%
	FS3146 + FS3146 Hi Top: 29%

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

## DIMENSIONS (mm)

Wheelbase	5,870
Length Overall	10,140
Height Overall	FS3140: 3,140*
	FS3146: 3,260
	FS3146 HiTop: 3,610
Width Overall	2,490
Width Rear Axle	2,475
Width Front track	2,075
Width Rear Track	1,865
Width Frame	840
Height Frame at Rear Axle	(11R22.5) 1,060
	(275/70R22.5) 1,020

\*FS3140 cab mounted 120mm lower



**SHOGUN 8x4 – 'S' WHEELBASE**  
**FS3140 | FS3146 | FS3146 Hi Top**

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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