

AIR SUSPENSION MEDIUM & LONG WHEELBASE

SHOGUN FS3146

MY21 ■ 8x4 ■ SHIFTPILOTT



NEW
GENERATION
+ ADVANCED
SAFETY SYSTEMS

EURO 6
ENGINE +
TRANSMISSION



Power / Torque:
460ps / 2,213Nm



Wheelbase:
5,870mm (S)
6,720mm (V)



Suspension:
Air

- Active Brake Assist 5 **NEW**
- Electronic Stability Control
- Lane Departure Warning

- Adaptive Cruise Control
- Driver Fatigue Monitoring
- Active Side Guard Assist **NEW**

SPECIFICATIONS - SHOGUN FS3146

MODEL

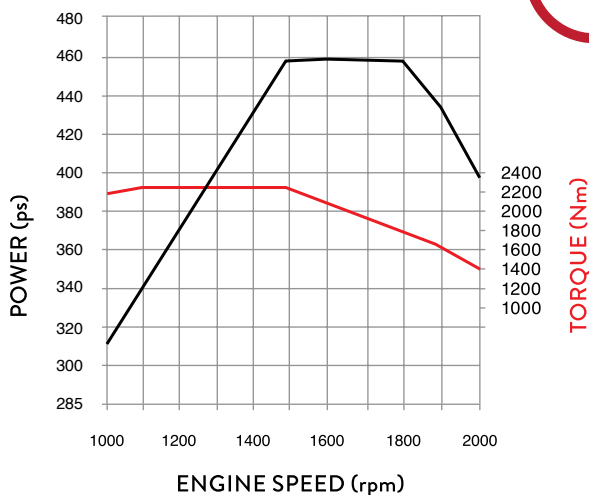
						WHEELBASE (mm)	GVM (kg)	GCM (kg)
8x4	FS3146S	12 SP.	SHIFTPILOT	AIR SUSP.	FS76HS4VFBA	5,870 (S)	30,800	55,000
8x4	FS3146S HI TOP	12 SP.	SHIFTPILOT	AIR SUSP.	FS76HS4VFBB	5,870 (S)	30,800	55,000
8x4	FS3146V	12 SP.	SHIFTPILOT	AIR SUSP.	FS76HV4VFBA	6,720 (V)	30,800	55,000
8x4	FS3146V HI TOP	12 SP.	SHIFTPILOT	AIR SUSP.	FS76HV4VFBB	6,720 (V)	30,800	55,000

ENGINE

Engine Version	FUSO OM470 6 Cyl. In-line DOHC
Displacement	11 Litre (10,671cc)
Power (DIN)*	T4: 460ps (338kW) @ 1600rpm
Torque (DIN)*	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)

OM470 – T4

EURO 6
ENGINE



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
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 6th: 3.430 11th: 1.000 2nd: 9.101 7th: 2.652 12th: 0.779 3rd: 7.055 8th: 2.068 RHigh: 9.101 4th: 5.501 9th: 1.603 RLow: 11.673 5th: 4.400 10th: 1.250
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
Ratio	4.222:1

REAR SUSPENSION

Details	Air, Trailing Arm with 2 bag/axle, Height Control adjustable from steering wheel or remote controller
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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
Size Front / Rear	275/70R22.5

CHASSIS

Type	Super Frame, Single Skin, Reinforced Parallel Channel
Size / Width (mm)	300x90x7.0 / 840

Refer to the bodybuilders guidelines on the Fuso website (www.fuso.co.nz) 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

SPECIFICATIONS - SHOGUN FS3146

ADVANCED
SAFETY
SYSTEMS

CAB FEATURES

Type	All Steel 4 Point Air Suspended + Electric / Hydraulic Tilt Cab FS3146 Hi Top: 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 FS3146 Hi Top: Carpet on Floor + 4 Speakers
External	Roof Mounting Points (max. static load 50kg) Front End-Outline Marker Lamps

DIMENSIONS (mm)

Wheelbase	5,870 (S)	6,720 (V)
Length Overall	10,140 (S)	11,660 (V)
Height Overall	FS3146:	3,290
	FS3146 HiTop:	3,640
Width Overall		2,490
Width Rear Axle		2,485
Width Front track		2,075
Width Rear Track		1,865
Width Frame		840
Height Frame at Rear Axle	(275/70R22.5)	990

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)*	29%

*Theoretical performance only. Actual performance may vary under different conditions

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.

SAFETY FEATURES

ACTIVE SAFETY FEATURES

Electronic Brake System (EBS)	Yes
Electronic Stability Control (ESC)	Yes
Active Brake Assist 5 (ABA5)	Yes NEW
Lane Departure Warning System (LDWS)	Yes
Active Attention Assist (Driver Fatigue Monitoring)	Yes
Proximity Control Assist (Adaptive Cruise Control)	Yes
Active Side Guard Assist (ASGA)	Yes NEW

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	Auto High/Low Beam Activation Xtra Vision LED (low beam) Halogen (high beam) Manual height adjustment
Day Time Running Lights	Yes
Fog Lamps	Yes
Front Step Lights	Yes
Keyless Central Locking	Yes
Auto-sensing Wipers	Yes
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	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

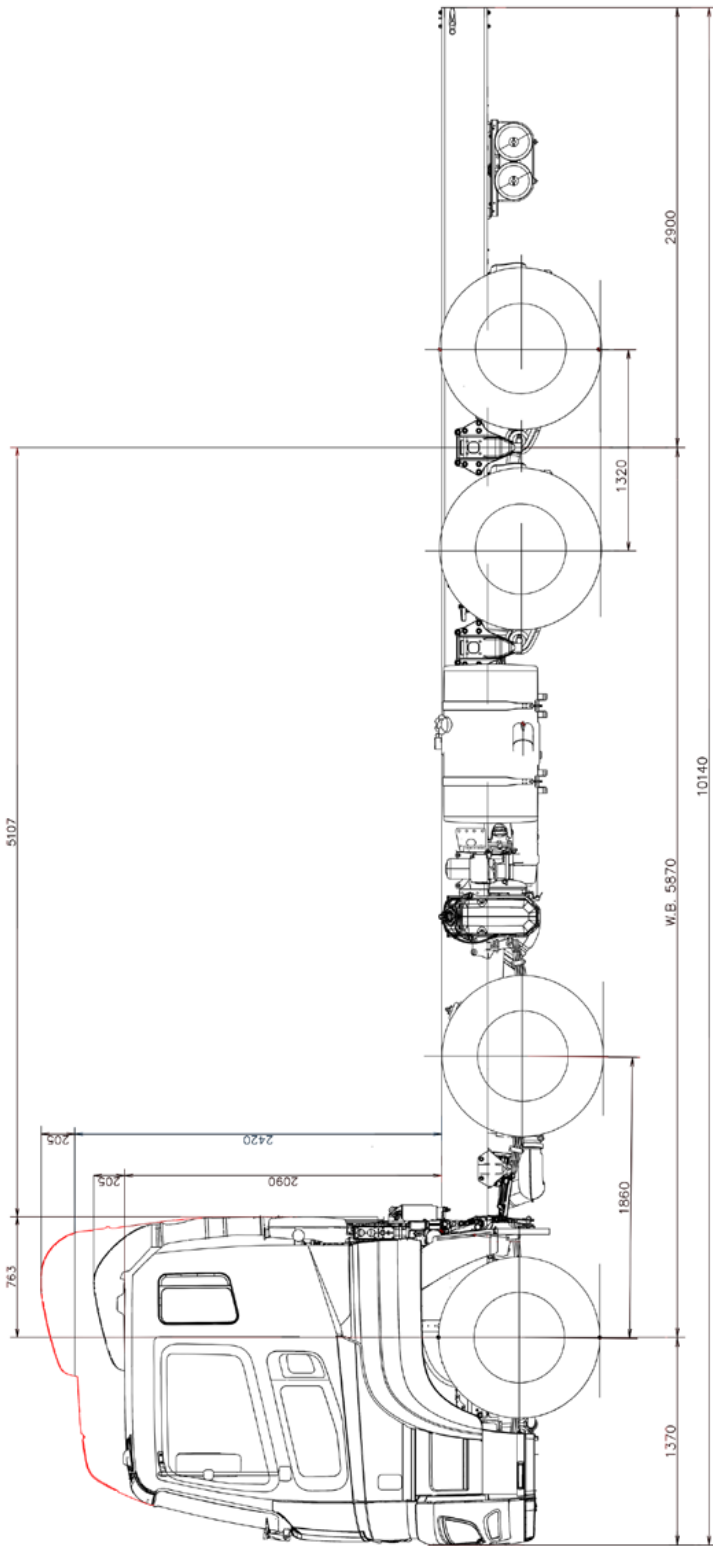
† Additional Touchscreen Display Cameras (up to 4) / Truck Specific GPS Navigation / Reversing Sensors / Tyre Pressure Monitoring (up to 36 tyres)

KERB WEIGHTS AND MAX AXLE LOADS (kg)

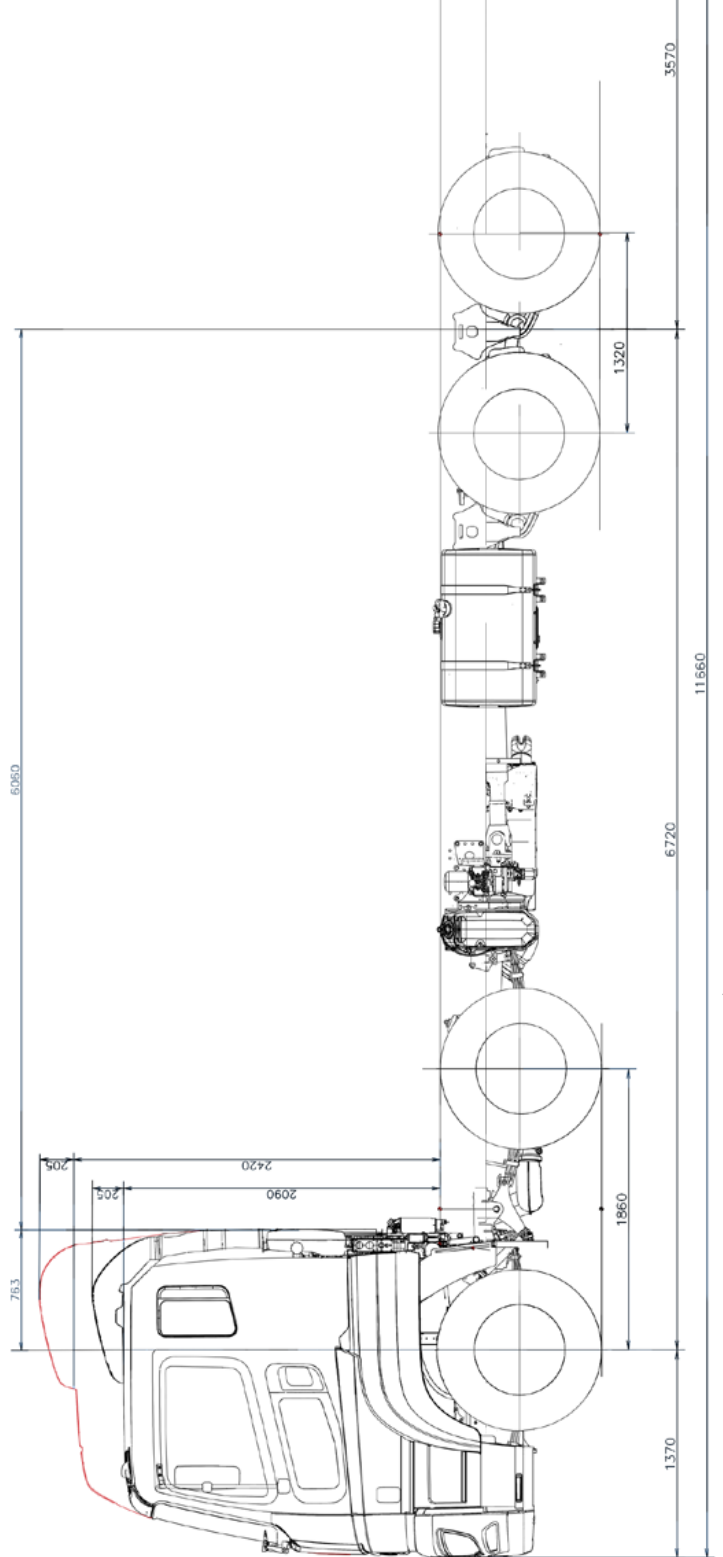
Model		Vehicle Ratings**		Max Axle Loadings**		Kerb Weights*		
		GVM	GCM	Front	Rear	Front	Rear	Total
8x4 FS3146S 12 Sp. SHIFTPILOT Air Susp.	FS76HS4VFBA	30,800	55,000	13,000	21,600	5,735	2,895	8,630
8x4 FS3146S HI TOP 12 Sp. SHIFTPILOT Air Susp.	FS76HS4VFB	30,800	55,000	13,000	21,600	5,765	2,895	8,660
8x4 FS3146V 12 Sp. SHIFTPILOT Air Susp.	FS76HV4VFBA	30,800	55,000	13,000	21,600	5,710	3,045	8,755
8x4 FS3146V HI TOP 12 Sp. SHIFTPILOT Air Susp.	FS76HV4VFB	30,800	55,000	13,000	21,600	5,740	3,045	8,785

* Weights (est.) includes 10L fuel and are subject to 3.5% variation (+/-) ** Vehicle ratings and max axle loadings may be limited by local regulations.*** 275/70R22.5 Tyres

SPECIFICATIONS - SHOGUN FS3146



SHOGUN 8x4 - 'S' WHEELBASE FS3146 | FS3146 Hi Top



SHOGUN 8x4 - 'V' WHEELBASE FS3146 | FS3146 Hi Top

1000
UNIT: mm 20mm 1m

Scale = 1:50 (20mm = 1 metre). This scale is accurate when printed at full size (as available from your local FUSO dealer). If printing a downloaded pdf from the Fuso NZ website, please check your printer settings. Please be aware that printing these sheets at anything other than 100% size can alter the scale and cause incorrect measurements. Fuso NZ and its authorised dealers recommend customers seek professional advice from independent sources before commencing any engineering activities.

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