

Shogun FP74 4x2

AMT / AIR SUSP. / PRIME MOVER



GVM

16,500_{KG}

Heavy-combination licence required

GCM

40,000_{KG}

Power/Torque

290_{KW} / 2000_{NM}



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ACTIVE EMERGENCY BRAKING, LANE DEPARTURE WARNING AND ACTIVE ATTENTION ASSIST AS STANDARD.

Specifications

MODEL

4x2 FP74 Prime Mover 395hp Air Susp. 12 Sp. AMT (FP74HGR2VFAA)

WHEEL BASE

3800mm

GVM (optional)

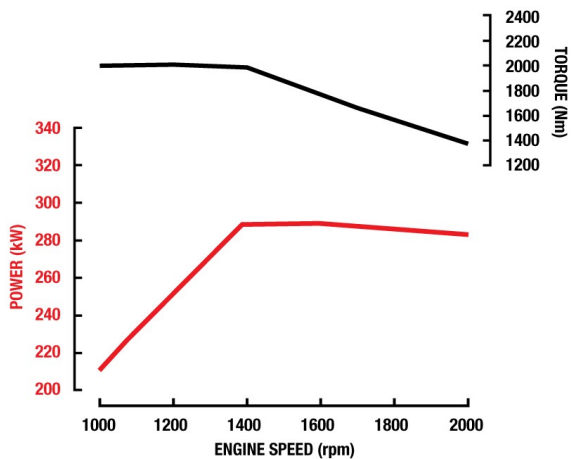
16,500kg

GCM (optional)

40,000kg

Engine

Engine Version	FUSO OM470-T2 Diesel
Configuration	6 Cyl. In-line OHV
Type	Waste-gate Turbocharged with Air to Air Intercooled
Displacement	10.7 litre (10677 cc)
Bore	125 mm
Stroke	145 mm
Power (DIN)	290 kW (395 hp) @ 1600 rpm
Torque (DIN)	2000 Nm (1475 lb.ft) @ 1100 rpm
Maximum Engine Speed	2100 rpm
Compression Ratio	18.5:1
Air Cleaner	Paper Element Type with Restrictor Indicator. Vertical Intake Mounted on Clean Air Side (RH)
Emission Control	Diesel Particulate Filter (DPF) plus SCR After-Treatment System
Emission Level	ADR 80/03 - Euro VI



Fuel

Injection System	Common Rail Direct Injection with Pressure Booster
Tank Type	Rectangular Alloy Tank with Locking Cap
Fuel Capacity *	400 Litres
Filtration	Filter with Water Separator and Dash Indicator
AdBlue Exhaust Fluid Capacity	60 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-150 amp
Starter Capacity	24V-7.0kW
Battery Capacity	2x12V, 150Ah/20hr
Battery Specification	2x145G51 (N150)
Headlamp Type	Automatic Type
	Low Beam: LED
	High Beam: Halogen
Cornering Lamps	Standard

Clutch

Clutch Model	FUSO K4/430
Type	Single Dry Plate
Operation/Specification	Automated Manual (no clutch pedal)

Transmission

Version	FUSO Automated Manual G230-12
Type/Speeds	12 Speed Automated Manual with Auto and Manual Modes
Features	Crawler Mode Skip Shift Function for Light Loads ECO Mode to Minimise Fuel Usage
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 Torque limited to 1775Nm from 1st to 3rd and Reverse
PTO Opening	Rear of Transmission

Propeller Shaft

Type	Single Main Shaft GW5E2200
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Front Axle

Axle Version	FUSO F900T
Type	Reverse Elliot 'I' Beam
Capacity *	6500kg
Notes	*See MAX LOADING for vehicle capacity.

Front Suspension

Type	Long Taper Leaf with Double Acting Shock Absorbers
Size	1650x90mm Leaves

Rear Axle

Type	Full Floating Hypoid Type
Axle Version	FUSO R440T
Capacity*	10800kg
Ratio	3.909:1
Notes	*See MAX LOADING for vehicle capacities

Rear Suspension

Type	Air Suspension
Details	Trailing Arm with Air Dump Control and Double Acting Shock Absorbers
Air Spring	2x300mm dia
Capacity at Ground *	11000kg total*
Notes	*See MAX LOADING for vehicle capacities

Max Loading

Front	6500kg
Rear	10000kg
Total	16500kg

Steering

Type	Integral Ball and Nut
Steering Column	Tilt/Telescopic Adjustable

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Brakes

Type	Full Air, Dual Circuit with FUSO Taper Rollers
Size Front	410x160mm
Size Rear	410x200mm
Features	Exhaust Brake Brake Priority System
Park Brake	Rear Wheel Spring Actuated
Engine	Constant Throttle Brake 3 Levels of Retardation
Trailer	Hand Control Valve, Air Lines Coupling and Electrical Cable

Wheels & Tyres

Wheel Type	6, Single Piece Alloy Disc
Wheel Size	22.5x8.25DC
Wheel Stud Pattern	10x335mm PCD
Tyre Brand	Michelin
Tyre Size Front	295/80R22.5 152/148
Tyre Size Rear	11R22.5 148/145

Chassis

Type	Reinforced Parallel Channel Rear of Chassis Tapered to Suit Tractor
Size	276x90x6.0mm
Width	840 mm
Tensile Strength	540 MPa

Instruments

Gauges	Speedometer Tachometer Fuel Level Air Pressure AdBlue Level
Colour Information Display	Odometer Tripmeter (x2) Hour Meter (x2) Outside Temperature AdBlue Level DPF Information Driving Range (Fuel and AdBlue) Current Vehicle Speed Cruise Control Lane Departure Warning Active Attention Assist Warning Alarm Clock Level Control Service Indicator & Reminder System Air Pressure Coolant Temperature Engine Oil Level & Running Time
Warning Lamps	ABS ASR ESP ESP Off Turn Signal Headlamps High Beam Hill Holder Auxiliary Brake Parking Brake Engine Over-speed Air Pressure Low Height Control Cab Tilt Lock DPF Regeneration DPF Status AdBlue Empty AdBlue Contamination Active Brake Assist
Warning Lamp/Buzzer	Air Pressure Cab Tilt Engine Over-speed AdBlue Empty AdBlue Contamination

Multi-Media Package

Satellite Navigation	Maps with heavy vehicle weight, length, height & hazardous material selectable restrictions with 3 years of Map updates
Colour Display	7 inch LCD with touch screen control
Phone Connectivity	Bluetooth® hands free
Audio Visual Entertainment	Bluetooth® music streaming compatible Digital radio DAB+ (also AM/FM for areas not covered by DAB+) USB & 3.5mm/AUX port
Reversing Camera Compatible	Display can accept up to 5 cameras#
Optional Accessories (available at additional cost)	Rear Mounted Parking Sensor Kit (High or Low) USB Quick Charge Kit Qi Wireless Charging Pocket for Mobile Devices Tyre Pressure Monitoring System
Notes	# Cameras available through spare parts

Standard Features

Airbag(s)	Driver's Air Bag and Seat Belt Pre-tensioners
Active Safety Features	ABS plus EBD (Electronic Brake force Distribution) EBS Active Attention Assist Active Emergency Braking (AEBS/ABA4) Adaptive Cruise Control (with Stop & Go) Anti-Slip Regulator (ASR) Electronic Stability Program (ESP) Lane Departure Warning System (LDWS)
Hill Start System	Yes
Cab Cooling & Heating	Climate Control
Accessory Power	24V Accessory Power Outlet (x2) plus Cigar Lighter
Driving	Suspended Driver's Seat Central Locking Electric Windows LH Transom Window Opening Rear Quarter Glass Cup Holder Fluorescent Cabin Lamp Trailer Package including Trailer 'Stretch Brake'
Storage	Centre Storage Compartments (x3 Total, Lockable x1) Driver's Overhead Storage Door Storage Pockets 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

Cab Features

Type	All Steel Forward Control Elec / Hyd Tilt Cab
Cab Structure	ECE-R29 Standard
Mounting	Air Suspended Front and Rear
Colour	Natural White
Windscreen Wipers	Automatic 2 Speed + Intermittent Cycle with Integrated Washer Nozzles
Rear Vision Mirrors	2 x External Flat Main Mirrors Plus Convex Spotters Motorised Main Mirrors, All Mirrors Heated
Seating Capacity	2
Seat Belts	2 Lap Sash
Seat (driver)	Air Suspension with Height, Tilt and Dampening Adjustment Integral Headrest and Fabric Trim
Seats (passenger)	Single Fixed
Sleeping	ADR42/04 Approved Sleeping Berth

Service Intervals

Interval*	50,000km or 12 Months (whichever occurs first)
Notes	* based on normal operating conditions and may be reduced when operating under severe conditions.

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Warranty

Basic/Powertrain	5 Years or 500,000kms (whichever occurs first)
Cab Perforation/Anti Corrosion	5 Years

Performance

Turning Circle (kerb to kerb - metres)	12.8
Electronically Speed Limited to:	100km/hr Conforms to ADR65/..
Engine Speed (rpm) at 100km/hr (top gear)	1587
Gradeability at Rated GCM (theoretical)*	26%
Notes	*This is theoretical performance only. Actual performance may vary under different conditions

Mass (estimated)*

Front*	4395kg
Rear*	1790kg
Total*	6185kg
Notes	* Mass (est.) includes oil and water but excludes spare wheel, tools & fuel. Weights provided are subject to 3.5% variation (+/-)

Dimensions (mm)

Width Front Fender (mm)	2490
Width Rear Axle (mm)	2480
Width Front Track (mm)	2075
Width Rear Track (mm)	1865
Width Frame (mm)	840
A - Length Overall (mm)	6115
C - Front Overhang (mm)	1370
D - Wheelbase (mm)	3800
G - Front Axle to Rear of Cab (mm)	700
J - Frame, Rear Axle to End (mm)	945
N - Height Overall (mm)	3150

Body Builder's Notes

Notes	Chassis reinforcement must be utilised for Tipper/Demountable type body configurations. To conform with ADR 13/00 (lighting requirements) the following must be adhered to at body installation. - If other than a flat type or tipper body is fitted, rear end out-line marker lamps must be installed. - If overall length exceeds 6.0 metres, side reflectors must be installed. - If overall length exceeds 7.5 metres, side marker lamps must be installed. To conform with ADR 42/04 (General Safety), rear wheel guards must be fitted to the vehicle.
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