

# SHOGUN

FUSO

## Shogun FV74 6X4 - MY21

10.7L / AMT / AIR SUSP. / PRIME MOVER



OUR SAFEST AND CLEANEST SHOGUN YET. THE MY21 SHOGUN IS EQUIPPED WITH ABA5, PD, LDWS, ESP, AAA, IHC, DRL AND A EURO VI STEP D ENGINE. ALL BACKED BY OUR CLASS LEADING SERVICE INTERVALS AND 5 YEAR WARRANTY.

GVM

24,000 KG

GCM

63,000 KG

Power/Torque

335<sub>KW</sub> / 2200<sub>NM</sub>

- Heavy rigid licence required
- Actual vehicle may differ from above image

DAIMLER

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JOB DONE

# SPECIFICATIONS



## MODEL

|   |   |
|---|---|
| A | 6x4 FV74 455Hp Air Susp. Std. Roof Prime Mover 12 Sp. AMT FV74HJR4VFAA-MY21 |
| B | 6x4 FV74 455Hp Air Susp. High Roof Prime Mover 12 Sp. AMT FV74HJR4VFAB-MY21 |

## WHEEL BASE

|        |
|--------|
| 3910mm |
| 3910mm |

## GVM (optional)

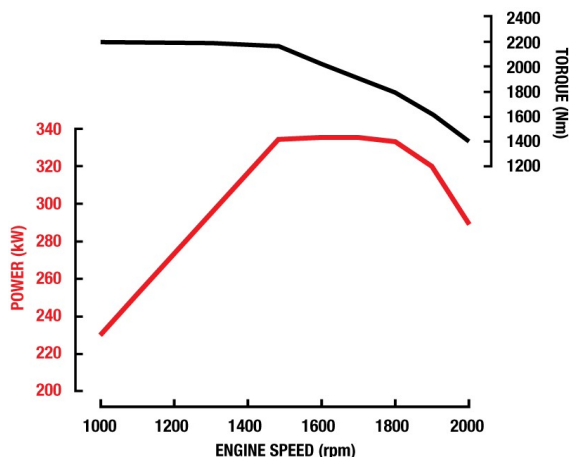
|          |
|----------|
| 24,000kg |
| 24,000kg |

## GCM (optional)

|          |
|----------|
| 63,000kg |
| 63,000kg |

## Engine

|                      |  |
|----------------------|--|
| Engine Version       | FUSO OM470-T4 Diesel   |
| Configuration        | 6 Cyl. In-line OHV   |
| Type                 | Asymmetric Turbocharger, Air to Air Intercooler  |
| Displacement         | 10.7 litre (10677 cc)  |
| Bore                 | 125 mm   |
| Stroke               | 145 mm   |
| Power (DIN)          | 335 kW (455 hp) @ 1600 rpm   |
| Torque (DIN)         | 2200 Nm (1622 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 | Electronically controlled (Viscous) |
| Radiator  | Corrugated Fin with Expansion Tank  |

## Electrical

|                       |   |
|-----------------------|---|
| Voltage               | 24V Negative Ground                                   |
| Battery Capacity      | 2x12V, 150Ah/20hr                                     |
| Battery Specification | 2x145G51 (N150)                                       |
| Headlamp Type         | Automatic Type<br>Low Beam: LED<br>High Beam: Halogen |
| Fog Light             | Halogen   |
| Daytime Running Lamps | LED   |

## Clutch

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

## Transmission

|             |  |
|-------------|--|
| Version     | FUSO Automated Manual G330-12  |
| Type/Speeds | 12 Speed Automated Manual with Auto, Economy and Manual Modes  |
| Features    | Crawler Mode<br>Skip Shift Function for Light Loads<br>ECO Mode to Minimise Fuel Usage   |
| Ratios      | 1st: 11.639<br>2nd: 9.020<br>3rd: 7.035<br>4th: 5.452<br>5th: 4.400<br>6th: 3.410<br>7th: 2.645<br>8th: 2.050<br>9th: 1.599<br>10th: 1.239<br>11th: 1.000<br>12th: 0.775<br>RHigh: 9.900<br>RLow: 12.774<br>Torque limited for 1st and Reverse |
| PTO Opening | Rear of Transmission   |

## Propeller Shaft

|      |  |
|------|--|
| Type | Single Main Shaft GW5E2200<br>Inter-axle Shaft P12 |
|------|--|

## Front Axle

|              |  |
|--------------|--|
| Axle Version | FUSO F900T                             |
| Type         | Reverse Elliot 'I' Beam                |
| Capacity *   | 7100kg                                 |
| Notes        | *See MAX LOADING for vehicle capacity. |

## Front Suspension

|      |  |
|------|--|
| Type | Long Taper Leaf with Double Acting Shock Absorbers |
| Size | 1500x90mm Leaves                                   |

## Rear Axle

|              |  |
|--------------|--|
| Type         | Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock<br>Optional Limited Slip Differential LSD to both Axles |
| Axle Version | FUSO R12TT/R12T  |
| Capacity*    | 21600kg  |
| Ratio        | 4.625:1  |
| Notes        | *See MAX LOADING for vehicle capacity.   |

## Rear Suspension

|                                    |   |
|------------------------------------|---|
| Type                               | Four Bag Air Suspension   |
| Details                            | Trailing Arm with Double Acting Shock Absorber and ECAS with 2 Memory Positions |
| Road Friendly Certification Number | RF2011  |

## Max Loading

|       |         |
|-------|---------|
| Front | 6500kg  |
| Rear  | 21600kg |
| Total | 24000kg |

## Options

|         |  |
|---------|--|
| Options | Q64:<br>- Limited Slip Differential - LSD        |
|         | Q65:<br>- Tyre Pressure Monitoring System - TPMS |

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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              |
| Size Front | 410x150mm   |
| Size Rear  | 410x200mm   |
| Features   | Brake Priority System                                       |
| Park Brake | Rear Wheel Spring Actuated                                  |
| Engine     | Jacobs Brake  |
|            | 3 Levels of Retardation                                     |
| Trailer    | Hand Control Valve, Air Lines Coupling and Electrical Cable |

### Wheels & Tyres

|                    |                             |
|--------------------|-----------------------------|
| Wheel Type         | 10, Single Piece Alloy Disc |
| Wheel Size         | 22.5x8.25DC                 |
| Wheel Stud Pattern | 10x335mm PCD                |
| Tyre Brand         | Bridgestone                 |
| Tyre Size Front    | 295/80R22.5 152/149         |
| Tyre Size Rear     | 11R22.5 148/145             |

### Chassis

|                  |   |
|------------------|---|
| Type             | Reinforced Parallel Channel Rear of Chassis Tapered to Suit Tractor |
| Size             | 300x90x7.0 mm   |
| Width            | 840 mm  |
| Tensile Strength | 540 MPa   |

### Instruments

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

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## Standard Features

|                       |   |
|-----------------------|---|
| Cruise Control        | Adaptive with Stop and Go   |
| Hill Start System     | Yes   |
| Cab Cooling & Heating | Climate Control   |
| Accessory Power       | 24V Accessory Power Outlet (x2) plus Cigar Lighter  |
| Driving               | Suspended Driver's Seat<br>Central Locking<br>Electric Windows<br>LH Transom Window<br>Opening Rear Quarter Glass<br>Cup Holder<br>Fluorescent Cabin Lamp |
| Storage               | Centre Storage Compartments (x3 Total, Lockable x1)<br>Driver's Overhead Storage Door Storage Pockets<br>Coat Hooks                                       |
| Cab: External         | Fog Lights<br>Door Side Impact Beams<br>Roof Mounting Points (max. static load 70kg)<br>Front End-Outline Marker Lamps                                    |
| Chassis               | Integrated Front Underrun System (FUPS)<br>Reverse Warning Buzzer<br>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<br>2 Speed + Intermittent Cycle with Integrated Washer<br>Nozzles                          |
| Rear Vision Mirrors | 2 x External<br>Flat Main Mirrors Plus Convex Spotters<br>Motorised Main Mirrors, All Mirrors Heated |
| Seating Capacity    | 2  |
| Seat Belts          | 2 x Lap Sash with ELR. Driver pre-tensioner  |
| Seat (driver)       | Air Suspension with Height, Tilt and Dampening<br>Adjustment<br>Integral Headrest and Fabric Trim    |
| Seats (passenger)   | Single Fixed   |
| Sleeping            | ADR42/04 Approved Sleeping Berth   |

## Active Safety

|                 |   |
|-----------------|---|
| Safety Systems  | ABA5 - Active Brake Assist 5<br>PD - Pedestrian Detection<br>AAA - Active Attention Assist<br>PCA - Proximity Control Assist Cruise Control<br>LDWS - Lane Departure Warning System<br>ESP - Electronic Stability Program<br>ABS - Anti-lock Braking System<br>ASR - Anti Slip Regulator<br>LED Headlamps<br>DRL - Daytime Running Lamps<br>IHC - Intelligent Headlight Control |
| Reverse Warning | Wide Dynamic Range Camera and Buzzer  |
| Notes           | Active Safety Systems primary function is to provide driver assistance to increase road safety in events of driver inattentiveness. These systems do not allow for lack of attention whilst driving and should not replace safe and alert driving.  |

## Passive Safety

|  |   |
|--|---|
| Airbags                                | SRS Airbag - Driver                         |
| Body Strength                          | ECE-R29 Cab Strength Compliant              |
| Seat Belts - Driver & Driver Assistant | 3 Point ELR Lap Sash, Driver Pre-Tensioner. |

## 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. |

## Warranty

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

## Performance

|  |   |
|--|---|
| Turning Circle (kerb to kerb - metres)   | 13.2  |
| Electronically Speed Limited to:         | 100km/hr<br>Conforms to ADR65/..  |
| Gradeability at Rated GCM (theoretical)* | 27%   |
| Notes                                    | *This is theoretical performance only. Actual performance may vary under different conditions |

## Mass estimated\*

|        |   |                    |
|--------|---|--------------------|
| Front* | <b>A</b><br>4333kg  | <b>B</b><br>4393kg |
| Rear*  | <b>A</b><br>3072kg  | <b>B</b><br>3057kg |
| Total* | <b>A</b><br>7405kg  | <b>B</b><br>7450kg |
| Notes  | * Mass (est.) includes oil and water but excludes spare wheel, tools & fuel. Weights provided are subject to 3.5% variation (+/-) |                    |

## Dimensions mm

|  |                  |                  |
|--|------------------|------------------|
| WFF (Width Front Fender) (mm)                    | 2490             |                  |
| WRA (Width Rear Axle) (mm)                       | 2475             |                  |
| WFT (Width Front Track) (mm)                     | 2075             |                  |
| WRT (Width Rear Track) (mm)                      | 1865             |                  |
| Width Frame (mm)                                 | 840              |                  |
| A - Length Overall (mm)                          | 6740             |                  |
| B - Extreme Axle Spacing (mm)                    | 4570             |                  |
| C - Front Overhang (mm)                          | 1370             |                  |
| D - Wheelbase (mm)                               | 3910             |                  |
| F - Rear Axle Spacing (mm)                       | 1320             |                  |
| G - Front Axle to Rear of Cab (mm)               | 700              |                  |
| H - Rear of Cab to Rearmost Item Behind Cab (mm) | 145              |                  |
| I - Rearmost Item Behind Cab to Rear Axle (mm)   | 3065             |                  |
| J - Frame, Rear Axle to End (mm)                 | 1460             |                  |
| N - Height Overall (mm)                          | <b>A</b><br>3300 | <b>B</b><br>3650 |
| O - Air Intake to Cab Roof (mm)                  | <b>A</b><br>205  | <b>B</b><br>225  |
| P - Height Cab to Ground (mm)                    | <b>A</b><br>3095 | <b>B</b><br>3425 |
| Q - Height Cab to Frame (mm)                     | <b>A</b><br>2090 | <b>B</b><br>2420 |
| R - Height Rear Frame to Ground (mm)             | 1033             |                  |

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## WHEEL BASE

- 3910mm
- 3910mm

## GVM (optional)

- 24,000kg
- 24,000kg

## GCM (optional)

- 63,000kg
- 63,000kg

### 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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