

SHOGUN

FUSO

Shogun FV70 6X4 - MY21

10.7L / AMT / MECH SUSP. / MWB



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

25,400_{KG}

GCM

53,000_{KG}

Power/Torque

290_{KW} / 2000_{NM}

335_{KW} / 2200_{NM}

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

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JOB DONE

SPECIFICATIONS



SHOGUN

MODEL

- A** 6x4 FV70 395Hp Steel Susp. MWB 12 Sp. AMT FV70HK2VFAA-MY21
B 6x4 FV70 455Hp Steel Susp. MWB 12 Sp. AMT FV70HK4VFAA-MY21

WHEEL BASE

4300mm
4300mm

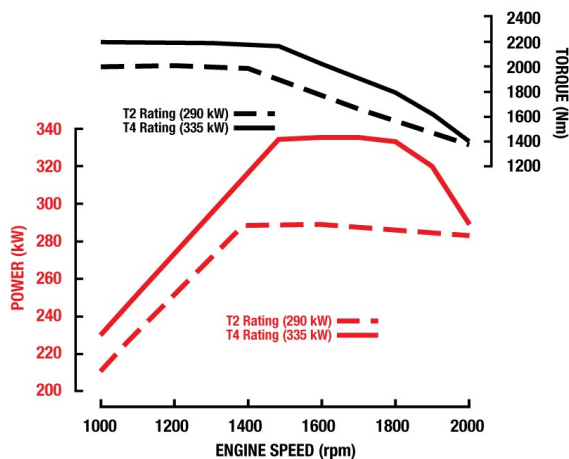
GVM (optional)

25,400kg
25,400kg

GCM (optional)

53,000kg
53,000kg

| Engine | | |
|----------------------|--|---|
| Engine Version | A FUSO OM470-T2 Diesel | B 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) | A 290 kW (395 hp) @ 1600 rpm | B 335 kW (455 hp) @ 1600 rpm |
| Torque (DIN) | A 2000 Nm (1475 lb.ft) @ 1100 rpm | B 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 Low Beam: LED 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 G230-12 |
| Type/Speeds | 12 Speed Automated Manual with Auto, Economy 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: 11.672 Torque limited from 1st to 3rd and Reverse |
| PTO Opening | Rear of Transmission |

| Propeller Shaft | |
|-----------------|--|
| Type | Single Main Shaft GW5E2200 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 Stabiliser Bar and Double Acting Shock Absorbers |
| Size | 1500x90mm Leaves |

| Rear Axle | |
|--------------|--|
| Type | Full Floating Hypoid Type Tandem Drive with Inter-Axle Diff Lock Optional Limited Slip Differential LSD to both Axles |
| Axle Version | FUSO R10TT/R10T |
| Capacity* | 21600kg |
| Ratio | 4.625:1 |
| Notes | *See MAX LOADING for vehicle capacities |

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

| Max Loading | |
|-------------|---------|
| Front | 6500kg |
| Rear | 21600kg |
| Total | 25400kg |

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|-------|---|
| A | 6x4 FV70 395Hp Steel Susp. MWB 12 Sp. AMT FV70HK2VF ^{AA} -MY21 |
| B | 6x4 FV70 455Hp Steel Susp. MWB 12 Sp. AMT FV70HK4VF ^{AA} -MY21 |

| WHEEL BASE | GVM (optional) | GCM (optional) |
|------------|----------------|----------------|
| 4300mm | 25,400kg | 53,000kg |
| 4300mm | 25,400kg | 53,000kg |

| Options | | |
|---------|---|---|
| Options | A | B |
| | Q48: - Limited Slip Differential - LSD | Q51: - Limited Slip Differential - LSD |
| | Q49: - Limited Slip Differential - LSD - Engine Flywheel PTO 650N | Q52: - Limited Slip Differential - LSD - Engine Flywheel PTO 650N |

| Steering | |
|-----------------|----------------------------|
| Type | Integral Ball and Nut |
| Steering Column | Tilt/Telescopic Adjustable |

| Brakes | |
|------------|--|
| Type | Full Air, Dual Circuit with FUSO Taper Rollers |
| Size Front | 410x160mm |
| 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 | 295/80R22.5 152/148 |
| Tyre Size Rear | 11R22.5 148/145 |

| Chassis | |
|------------------|-----------------------------|
| Type | Reinforced Parallel Channel |
| Size | 300x90x7.0 mm |
| Width | 840 mm |
| Tensile Strength | 540 MPa |

| Instruments | |
|----------------------------|---|
| Gauges | Speedometer Tachometer Fuel Level Air Pressure AdBlue Level |
| | 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 |
| Colour Information Display | 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 |
| | Air Pressure Cab Tilt Engine Over-speed AdBlue Empty AdBlue Contamination |
| Warning Lamps | |
| Warning Lamp/Buzzer | |

| 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 Tyre Pressure Monitoring System |
| Notes | # Cameras available through spare parts |

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|-------|--|
| A | 6x4 FV70 395Hp Steel Susp. MWB 12 Sp. AMT FV70HK2VFAA-MY21 |
| B | 6x4 FV70 455Hp Steel Susp. MWB 12 Sp. AMT FV70HK4VFAA-MY21 |

| WHEEL BASE | GVM (optional) | GCM (optional) |
|------------|----------------|----------------|
| 4300mm | 25,400kg | 53,000kg |
| 4300mm | 25,400kg | 53,000kg |

| Standard Features | |
|-------------------------|---|
| Cruise Control | Adaptive with Stop and Go |
| Hill Start System | Yes |
| Cab Cooling & Heating | Climate Control |
| Accessory Power Driving | 24V Accessory Power Outlet (x2) plus Cigar Lighter |
| | 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 x Lap Sash with ELR. Driver pre-tensioner |
| 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 |

| Active Safety | |
|-----------------|---|
| Safety Systems | ABA5 - Active Brake Assist 5 PD - Pedestrian Detection AAA - Active Attention Assist PCA - Proximity Control Assist Cruise Control LDWS - Lane Departure Warning System ESP - Electronic Stability Program ABS - Anti-lock Braking System ASR - Anti Slip Regulator LED Headlamps DRL - Daytime Running Lamps 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) | 15.2 |
| Electronically Speed Limited to: | 100km/hr Conforms to ADR65/.. |
| Engine Speed (rpm) at 100km/hr (top gear) | 1879 |
| Gradeability at Rated GVM (theoretical)* | A 61% B 66% |
| Gradeability at Rated GCM (theoretical)* | 28.5% |
| Notes | *This is theoretical performance only. Actual performance may vary under different conditions |

| Mass estimated* | | |
|-----------------|---|--|
| Front* | A 4323kg B 4363kg | |
| Rear* | A 3347kg B 3342kg | |
| Total* | A 7670kg B 7705kg | |
| 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) | 7640 |
| B - Extreme Axle Spacing (mm) | 4960 |
| C - Front Overhang (mm) | 1370 |
| D - Wheelbase (mm) | 4300 |
| 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) | 3455 |
| J - Frame, Rear Axle to End (mm) | 1970 |
| N - Height Overall (mm) | 3300 |
| O - Air Intake to Cab Roof (mm) | 205 |
| P - Height Cab to Ground (mm) | 3095 |
| Q - Height Cab to Frame (mm) | 2090 |
| R - Height Rear Frame to Ground (mm) | 1058 |

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|-------|--|
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| B | 6x4 FV70 455Hp Steel Susp. MWB 12 Sp. AMT FV70HK4VF4A-MY21 |

| WHEEL BASE | GVM (optional) | GCM (optional) |
|------------|----------------|----------------|
| 4300mm | 25,400kg | 53,000kg |
| 4300mm | 25,400kg | 53,000kg |

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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