

# FUSO HEAVY



CONFIGURATION	MODEL CODE	GVM	GCW	KERB WEIGHT	W/BASE	CODE
6X4	FV470K1	25.4T	55.0T	7850KG	4300MM	FV51SK5VFAA
6X4	FV470K1D	18.0T	55.0T	7850KG	4300MM	FV51SK5VFAA

## PERFORMANCE

Maximum Speed:	117km/hr
100km/hr speed limiter available	
Gradeability at Rated GCM:	29.5%
Turning Radius (kerb to kerb):	7.4m

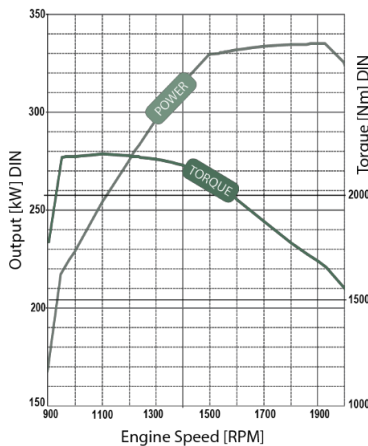
## ENGINE

### Mitsubishi Fuso OM457-T5 12L (Euro V)

Configuration:	6 Cyl. In-line
Type:	OHV, 4 Valve, Waste Gate Turbo with Intercooler
Displacement:	11967 cc
Bore x Stroke:	128 mm x 155 mm
Power (DIN nett):	335 kW @ 1900 rpm (JIS Gross: 470 ps*)
Torque (DIN nett):	2200Nm @ 1100 rpm (JIS Gross: 1644 lb/ft*)
Maximum Engine Speed:	2200 rpm
Compression Ratio:	18.5:1

\*Calculated

## OM457 ENGINE PERFORMANCE



## FUEL

Pump:	Bosch Unit Injectors
Governor:	Electronic
Filtration:	Main filter with water separator
Fuel Capacity:	400L Alloy tank with lockable cap
Air Cleaner:	RHS snorkel with single element and Cold start Preheat: Standard

## EMISSION SYSTEM

Emission Standard:	Euro V
Box muffler LHS. Exhaust with BLUETEC® SCR AfterTreatment System. 40L ADBLUE tank with on dash gauge	

## COOLING

Fan:	750mm diameter with 8 Blade
Fan Drive:	Viscous Clutch
Radiator:	Aluminium

## ELECTRICAL

Voltage:	24 volt neg earth
Alternator Capacity:	24v - 80 amp
Heavy Duty Batteries Capacity:	2 x 12v, 150Ah/20hr

## CLUTCH

<b>Description:</b>	<b>C12W43P</b>
Type:	Single dry plate 430mm Woven facing material
Operation:	Fully Automated with Hill Start Assist

## TRANSMISSION

### Model: FUSO INOMAT II G230-12 AMT (2 Pedal Type)

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
Reverse:	High: 9.101:1	Low: 11.672:1										

Control: INOMAT 2 Automated shift with auto and manual shift modes and Hill Start Assist

Additional Modes: Start gear select, Slow Manoeuvre, Economy, Reverse high/low

Oil Cooler:	T/M oil cooler (air cooling type)
PTO Opening:	LHS and Rear mounting

## PROPELLER SHAFT

Type: Main:	GW5E220 with guard
Interaxle:	P12

## FRONT AXLE

Type:	F900T
Maximum Operating Capacity:	7100kg (Subject to suitable tyre & certification)

## REAR AXLE

Description:	D10HT/D10H with Interaxle diff lock
Type:	Single reduction - hypoid
Design Capacity:	21600kg
Maximum Operating Capacity:	21600kg
Ratio:	4.625

## STEERING

Type:	Integral Power Assisted ball & nut
Steering Wheel:	Urethane with air bag
Steering Column:	Tilt & Telescopic adjust

## BRAKES

Type:	Full air taper roller drum brakes with auto adjust ABS & ASR Traction control
Size:	F 410 x 150mm R 410 x 200mm
Park Brake:	Spring on both rear axles
Engine Brake:	4 stage Powertard with Exhaust Brake and Shift Down
Retardation Power:	320ps @ 2300 rpm
Compressor:	636cc with air dryer
Air Tanks:	Alloy

## FRONT SUSPENSION

Type:	Long Taper Leaf
Size:	1500 x 90 x 23mm - 3
Capacity at Ground:	7280kg
Shock Absorbers:	Double acting

## REAR SUSPENSION

Type:	Long Taper Leaf
Size:	1320 x 90 x 30mm - 5
Capacity at Ground:	22500kg

## CHASSIS

Type:	Super Frame parallel channel
Size:	300 x 90 x 7mm
Width:	840mm
Tensile Strength:	540 MPa

## WHEELS & TYRES

Wheel Type:	Steel
Wheel Size:	8.25x 22.5 - 165-13T
Wheel Stud Pattern:	10 Stud ISO
Tyre Size:	Front 295/85R 22.5 & Rear: 11R22.5
Spare Tyre:	No

## KERB WEIGHT (KG - ESTIMATED)

Front:	4360
Rear:	3490
Total:	7850

Includes coolant, oils and 20 litres fuel.

## DIMENSIONS (MM)

Wheel Base:	4300
Overall Length:	7640
Cab to Axle:	3600
Rear Overhang:	1935
Overall Height:	3300
Overall Width:	2490

## OPTIONAL EQUIPMENT

- Reverse camera and navigation system

## MULTI FUNCTION DISPLAY

- Calendar/Time
- Service Reminders
- Snow Mode - Low speed manoeuvring
- Fuel Consumption Indication
- Diagnostic Trouble Code Indication
- Gear Position Indicator
- Odo and Dual trip meter
- Engine Oil level check
- Warning/indicator display
- AdBlue level indicator
- Hour Meter
- Maintenance Indicator

## CAB FEATURES

Construction:	All Steel Forward Control
Type:	Electric/Hydraulic 50 deg cab tilt
Mounting:	4 Point air suspension

Colour:	Natural White (W31)
Safety features:	90 degree opening doors with side intrusion bars
Lighting:	Halogen headlamps with Fog lights in bumper
Interior:	Fully trimmed with rear mattress
Windscreen:	Laminated & tinted
Windscreen Wipers:	3 windscreen wipers with built in nozzles: 2 speed & intermittent
Rear Vision Mirrors:	Remote control & heated flat main mirror with heated convex spotter
Seating Capacity:	2
Seats:	Driver: ISRI air suspension with auto levelling, height, tilt and dampening adjustment Integral headrest & fabric trim Passenger: Fixed base, headrest & fabric trim
Seat belts:	Pretensioner, ELR attached 3 points type, centre lap belt

## INSTRUMENTS

### Gauges:

- Speedo with Odometer and Dual Trip Meter
- Tachometer
- Fuel Level
- Dual air pressure gauge
- Water temperature meter

### Warning Lamps:

- Park Brake
- Exhaust Brake /powertard
- Alternator
- Low Oil Pressure/Oil Filter Blockage
- SRS Air Bag
- Seat Belt
- AMT Oil temp
- Engine check light
- Interaxle diff lock
- Brake air pressure
- Cold start indicator
- Door Open
- Low coolant level
- Cab tilt indicator
- Air filter restriction
- Cruise Control
- ABS/ASR

## CAB EQUIPMENT

### Exterior:

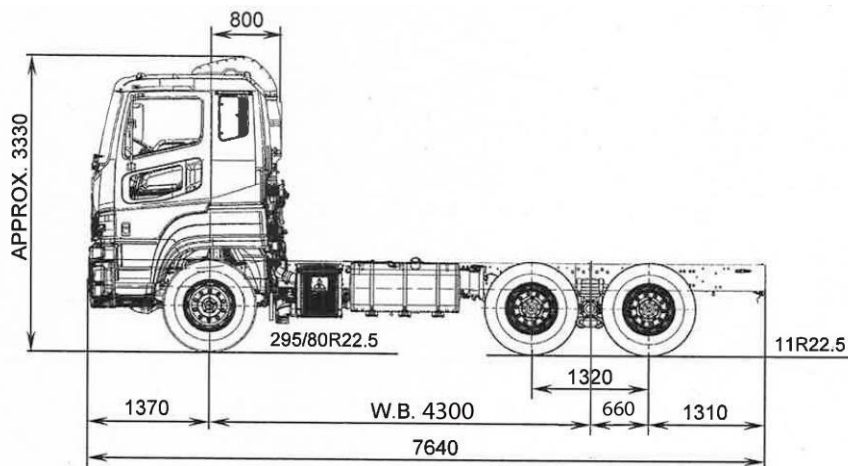
- Lift-up front maintenance panel
- Transom window on LH door
- Roof spoiler mounting points (max weight 50kg)
- Roof mounted white marker lights x2

### Interior:

- Fully trimmed.
- Driver's air bag and seat belt pretensioner
- Centre floor console with glove box
- Cup holder for driver
- Large overhead console boxes
- Sun visors x 2
- Interior rear view mirror
- Opening rear quarter windows
- Grab handle on 'A' pillar
- Auto air conditioning with heater/demister
- Central locking and Keyless Entry System
- Power windows and Drivers auto up/down
- 6" Touch screen audio with Bluetooth, USB and DVD player with 2nd screen output.
- Engine idle speed control
- Cruise control
- Cold start switch
- Trailer brake hand control
- Hazard warning switch
- Reading lamps
- Tool kit & jack
- Electric Horn
- Fluorescent Cab Lamp

## FUSO HEAVY

### 6x4



10.5 Chassis cab drawings

FV51SK3VF AA  
 FV51SK5VF AA  
 FV51 SK2VF AA

FV470K1

