

# FUSO HEAVY

# 6X4

## RIGID

CONFIGURATION	GVM	GCW	KERB WEIGHT	W/BASE	CODE
6X4	24.0T	50.0T	8375KG	6380MM	FV54ST3VFAC

### PERFORMANCE

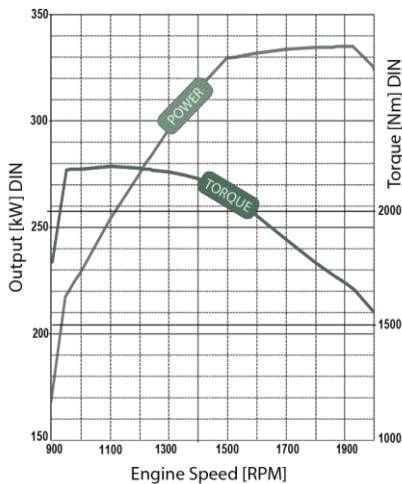
Maximum Speed:	117 km/hr
100km/hr speed limiter available	
Gradeability at Rated GCM:	24%
Turning Radius (kerb to kerb):	10.3 m

### ENGINE

#### Fuso OM457-T3 12L (Euro V)

Configuration:	Inline 6 Cylinder
Type:	OHV, 4 Valve, Waste Gate Turbo with Intercooler
Displacement:	11967cc
Bore x Stroke:	128mm x 155mm
Power (DIN nett):	295kW @ 1900rpm (JIS Gross: 410ps*)
Torque (DIN nett):	2000Nm @ 1100rpm (JIS Gross: 1495lb/ft*)
Maximum Engine Speed:	2200rpm
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 electronic dust indicator
Cold Start Preheat:	Standard

### EMISSION SYSTEM

Emission Standard:	Euro V
Box muffler LHS. Exhaust with BLUETEC® SCR After Treatment 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)

No. of Speeds:	12
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 II 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: P152
	Interaxle: P12

### FRONT AXLE

Type:	F900T
Maximum Operating Capacity:	7,100kg (Subject to suitable tyres & certification)

### REAR AXLE

Description:	D10HT/D10H with Interaxle diff lock
Type:	Single Reduction Hypoid
Design Capacity:	21600kg
Maximum Operating Capacity:	18000kg
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

### ELECTRICAL

Type:	FUSO airbag with underslung arm
Size:	250mm diameter bags Trailing leaf 995 x 80 x 35mm - 2
Capacity at Ground:	22,500kg
Shock Absorbers:	Double acting front and rear

### CHASSIS

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



## WHEELS & TYRES

Wheel Type:	Steel
Wheel Size:	8.25 x 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:	4585
Rear:	3790
Total:	8375

*Includes coolant, oils and 20 litres fuel.*

## DIMENSIONS (MM)

Wheel Base:	6380
Overall Length:	11320
Cab to Axle:	5680
Rear Overhang:	3570
Overall Height:	3330
Overall Width:	2490

## OPTIONAL EQUIPMENT

- 4.222 + 275/70R22.5 LP Spec

## 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
Passenger:	Single seat, 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/powerterd
- 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:

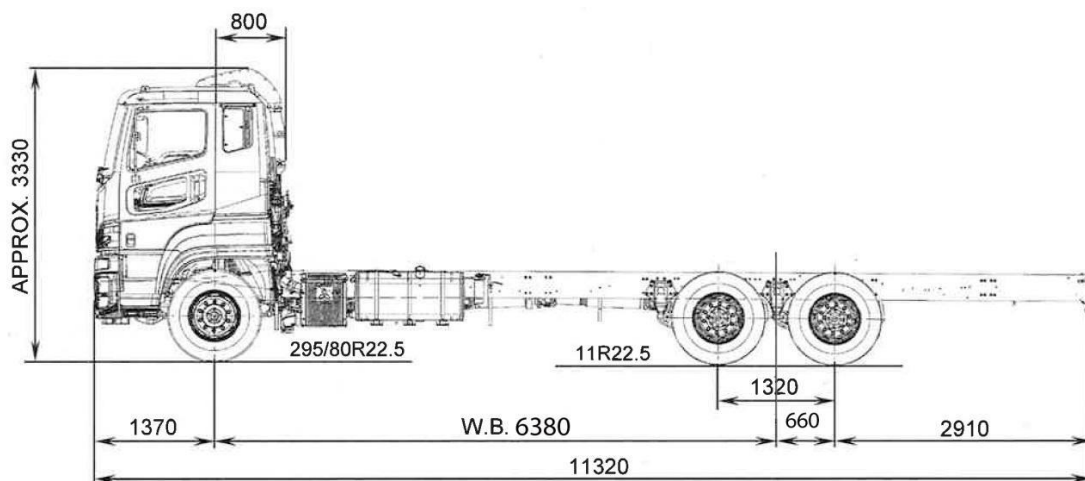
- Lift-up front maintenance panel
- Transom window on LH door
- Roof spoiler mounting points (max weight 50kg)
- Roof mounted white marker lights x2

### Interior:

- Fully trimmed
- Driver's air bag and seat belt pretensioner
- Large 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 Driver's 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 FV410T1



10.5 Chassis cab drawings

FV54ST3VFAC

FV410T1

