

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 |

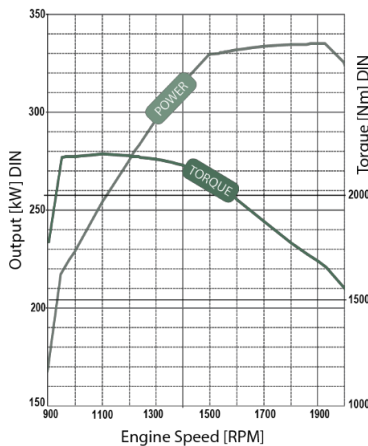
ENGINE

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

| | |
|---------------------|--|
| Description: | C12W43P |
| 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:

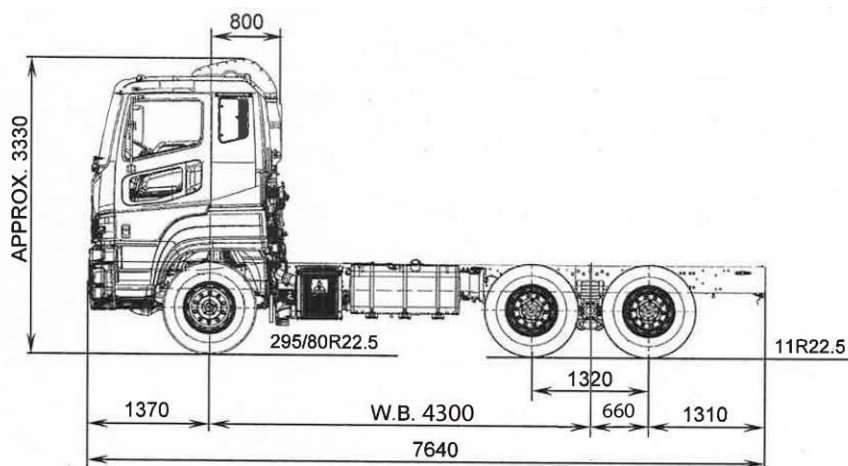
- Lift-up front maintenance panel
- Transom window on LH door
- Roof spoiler mounting points (max weight 50kg)
- Roof mounted white marker lights x2

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

