

# FUSO HEAVY

## 18 SPEED



CONFIGURATION	MODEL CODE	GVM	GCW	KERB WEIGHT	W/BASE	CODE
6X4	FV470K3	25.4T	60.0T	7920KG	4300MM	FV51SK5VFAA
6X4	FV470K3D	18.0T	60.0T	7920KG	4300MM	FV51SK5VFAA

### PERFORMANCE

Maximum Speed:	100km/hr
100km/hr speed limited	
Gradeability at Rated GCM:	30.5%
Turning Radius (kerb to kerb):	7.4m

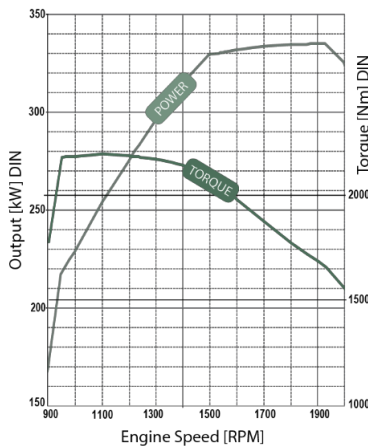
### ENGINE

#### 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>Model:</b>	<b>Spicer 15.5"</b>
Diameter:	394mm
Type:	Twin Plate Ceramic
Operation:	Air/Hydraulic

### TRANSMISSION

<b>Model:</b>	<b>Eaton Fuller RTLO – 16918B</b>		
No of Speeds:			18
Gear	Ratio	Gear	Ratio
1.	14.40	10.	2.73
2.	12.29	11.	2.29
3.	8.56	12.	1.95
4.	7.30	13.	1.62
5.	6.05	14.	1.38
6.	5.16	15.	1.17
7.	4.83	16.	1.00
8.	3.74	17.	0.86
9.	3.20	18.	0.73
High Rev:			3.43
Low Rev:			15.06
Control:		Rod & Cable	
Oil Cooler:		Air cooled	

### 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:	D12HT/D12H 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:	2 stage Powertard with Exhaust Brake
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 295/80R 22.5 & Rear: 11R22.5
Spare Tyre:	No

## KERB WEIGHT (KG - ESTIMATED)

Front:	4390
Rear:	3530
Total:	7920

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
- Fuel Consumption Indication
- Diagnostic Trouble Code Indication
- 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
- 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:

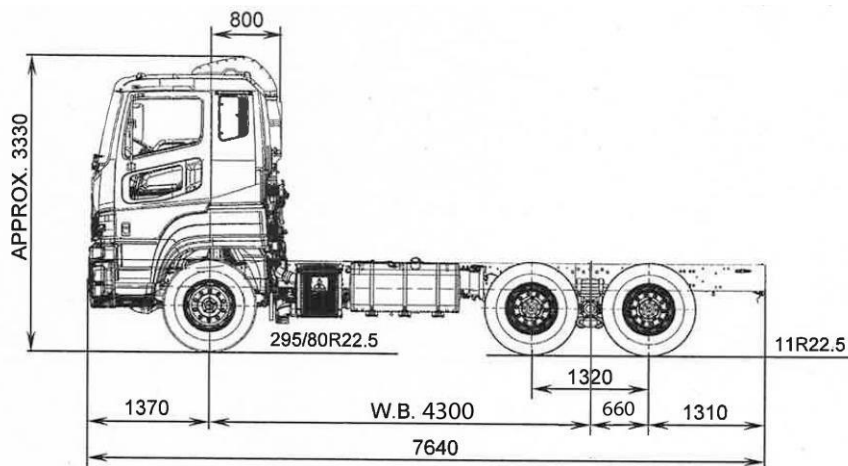
- Lift-up front maintenance panel
- Transom window on LH door
- Roof spoiler mounting points (max weight 50kg)
- Roof mounted white marker lights x2

### 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

FV51SK3VFAA  
 FV51SK5VFAA  
 FVS1SK2VFAA

FV470K3

