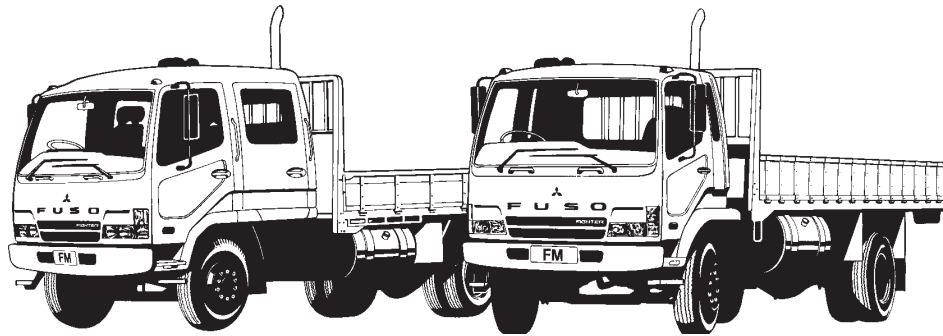


# FIGHTER 8.0

**FM61F**  
177kW 4x2



MODEL	W/Base	GVM	GCM
FM61FH1RFAE	swb	14100kg	21000kg
FM61FM1RFAE	lwb	14100kg	21000kg
FM61FMW1RFAE	lwb Crew Cab	14100kg	21000kg

## ENGINE

**Mitsubishi 6M60-1AT1 Diesel (ADR80/00)**  
 Configuration: 6 Cyl. In-line OHC, 4-Valve  
 Type: Turbocharged with Air to Air Intercooler, Common Rail Fuel System and Catalytic Converter  
 Displacement: 7545cc  
 Bore: 118mm  
 Stroke: 115mm  
 Power (ECE R85-00): 177kW @ 2600 rpm  
 Torque (ECE R85-00): 686Nm @ 1400 rpm  
 Maximum Engine Speed: 2900 rpm  
 Compression Ratio: 17.8:1  
 Oil Cooler: Plate Type, Water Cooled

## FUEL

Injection System: DENSO Common Rail System  
 Governor: Electronic, Speed Limited to 100 km/h  
 Controls: Key Operated Start/Fuel Engine Idle Emergency Stop  
**Cruise Control** (range 40-100 km/h)  
 Filtration: Main Filter and Water Separator  
 Fuel Capacity: 185 Litres  
 Air Cleaner: Dual Element Cyclopac with Vertical Intake and Air Restriction Indicator

## COOLING

Fan: 520mm dia. 6 Blades  
 Fan Drive: Thermo Modulated  
 Radiator: Corrugated Fin with Expansion Tank

## ELECTRICAL

Voltage: 24V Negative Earth  
 Alternator Capacity: 24V-50 amp  
 Starter Capacity: 24V-5.0kW  
 Battery Capacity: 2x12V, 65Ah/20hr  
 Headlamp - Type: Quartz Halogen Multi Parabola  
 - Capacity: Low Beam 2x70W High Beam 4x70W

## CLUTCH

**Mitsubishi C7M38**  
 Disc Diameter: 380mm  
 Type: Single Dry Plate  
 Operation: Air Assisted Hydraulic  
 Facing - Area: Cerametallic - 638.4cm<sup>2</sup>

## TRANSMISSION

**Mitsubishi M070S6-D**  
 No. of Speeds: 6 with Air Assisted Gearshift  
 Synchronesh: 2nd-6th  
 Ratios - 1st: 8.064  
 - 2nd: 5.443  
 - 3rd: 3.064  
 - 4th: 1.824  
 - 5th: 1.321  
 - 6th: 1.000  
 - Rev. 7.354  
 PTO Opening: LH Side

## PROPELLER SHAFT

Type: P10  
 Universal Joint: Needle Roller

## FRONT AXLE

**Mitsubishi F060T(IH)**  
 Type: Reverse Elliot '1' Beam  
 Capacity - Axle: 5100kg  
 Max. Load Rating at Ground: 5100kg

## REAR AXLE

**Mitsubishi R060T/D8H**  
 Type: Full Floating Hypoid  
 Capacity - Axle: 9200kg  
 Max. Load Rating at Ground: 9000kg  
 Ratio: 4.444:1

## STEERING

Type: Integral Power Assisted Ball and Nut  
 Ratio: 19.05:1  
 Steering Wheel: 450mm Urethane  
 Steering Column: Tilt/Telescopic Adjustable with Lock

## BRAKES

Type: Air Actuated Hydraulic Dual Circuit  
 Size - Front: 400x120mm  
 - Rear: 400x155mm  
 Lining - Area/Swept: Asbestos Free - 4552/6914cm<sup>2</sup>  
 Park Brake: Rear Wheel Spring Actuated  
 Auxiliary: Exhaust Brake  
 Compressor: Air Cooled, 201cc Single Cyl.  
 Air Dryer Model: DR4

## FRONT SUSPENSION

Type: Parabolic Leaf  
 Size: 1400x80x17mm-4 Leaves  
 Capacity at Ground: 2560kg ea.  
 Shock Absorbers: Double Acting

## REAR SUSPENSION

Type: Semi-Elliptic Leaf  
 Size: 1400x80x11mm-9 Leaves  
 Auxiliary: 960x80x11mm-9 Leaves  
 Capacity at Ground: 4700kg ea.

## CHASSIS

Type: Parallel Channel  
 Size: 278x80x7.0mm  
 Width: 840mm  
 Tensile Strength: 55kg/mm<sup>2</sup>

## WHEELS & TYRES

Wheel - Type: 7, Single Piece Disc  
 - Size: 22.5x7.50DC-162-13t  
 - Stud Pattern: 8x285mm PCD  
 Tyre - Size: 275/70R22.5 148/145L  
 H. Traction Tread to Rear  
 Spare Tyre Carrier: Provided

## OPTIONAL EQUIPMENT

R51 (MW. only): Engine Flywheel PTO  
 Max. Output Torque, 295Nm  
 Drive Ratio, 0.628:1  
 Rotation, Same as Engine

## MASS (kg - estimated)

Model	Front	Rear	Total
FM61FH1RFAE	2495	1605	4100
FM61FM1RFAE	2555	1685	4240
FM61FMW1RFAE	2780	1725	4505

Note: Mass (est.) includes oil and water but excludes spare wheel, tools and fuel.

## CAB FEATURES

### All Steel Forward Control

- Type: H, M. Manual Tilt 44 deg.  
MW. Elec/Hyd. Tilt 44 deg.
- Mounting: H, M. Hydroelastic Suspension 4 Point  
MW. Isolated Rubber 3 Point
- Colour: Natural White
- Interior: Fully Trimmed
- Windscreen: Laminated Tinted
- Windscreen Wipers: 2 Speed - Intermittent Cycle
- Rear Vision Mirrors: RH. Heated  
LH. Remote/Heated with Convex Spotter
- Seating Capacity: H, M. 3  
MW. 7
- Seat Belts: H, M. 2 ELR Lap Sash, 1 Lap  
MW. 4 ELR Lap Sash, 3 Lap
- Seats Driver: - Air Suspension with Auto  
Levelling Height Control  
- 32 Stage Reclining  
- 11 Stage Sliding  
- Front and Rear Height Adjuster  
- Lumbar Support  
- Integral Headrest and Fabric Trim
- Centre: - Low Back with Fabric Trim  
- Forward Folding
- LH: - Fixed Base  
- 32 Stage Reclining  
- Integral Headrest and Fabric Trim
- Rear MW: - Bench Type  
- Low Back with Fabric Trim

## INSTRUMENTS

### Gauges:

- Speedometer with Odometer and Dual Tripmeter
- Tachometer
- Air Pressure (2)
- Fuel Level
- Water Temperature
- Digital Clock

### Warning Lamps:

- Turn Signal
- High Beam
- Exhaust Brake
- Park Brake
- Alternator
- Oil Filter Blockage
- Engine/Cruise Control (ECU)
- Air Filter Restriction
- Door
- Cab Tilt (MW. inc's buzzer)

### Warning Lamp/Buzzer:

- Air Pressure
- Brake Fluid Level/Dual Circuit
- Oil Pressure
- Engine Overheat/Low Coolant Level

## STANDARD EQUIPMENT

- Electric Windows (front only) and Central Locking
- Tinted Side and Rear Glass
- **Air Conditioner/Heater Demister**
- AM/FM ETR Radio with Cassette and CD Player
- Centre Seat Storage Console (except MW)
- LH Seat Storage Tray
- Overhead Storage Pocket with Lid (H, M)
- Overhead Storage Pocket (MW)
- RH Door Storage Pocket
- Rear Bunk Storage Pockets (except MW)
- Cup Holders, 2 (except MW)
- Opening Rear Quarter Windows (except MW)
- Interior Sun Visors
- Fluorescent Cabin Lamp (except MW)
- Interior and Map Reading Lamps
- Windscreen Washers
- Hazard Warning Lamps
- Front End-Outline Marker Lamps
- Cigar Lighter
- Roof Mounting Points (max. static load 50kg)
- Electric Horn
- Reverse Warning Buzzer
- Tool Kit
- Chassis Mounted Tool Box
- Vertical Exhaust Outlet

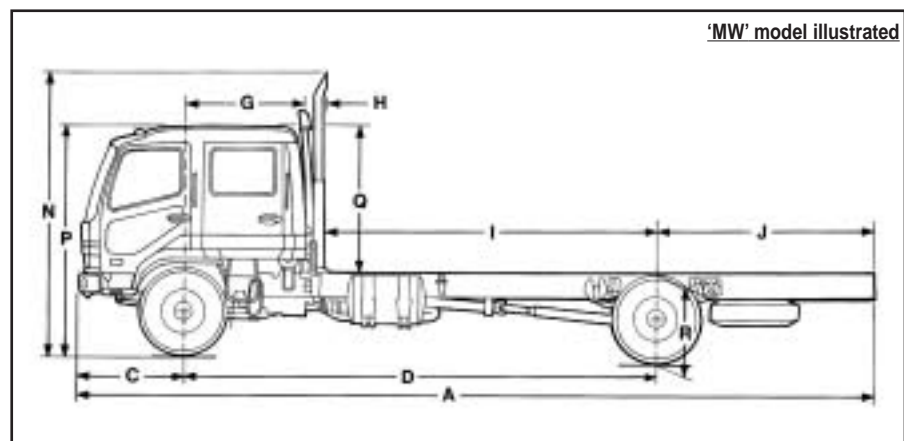
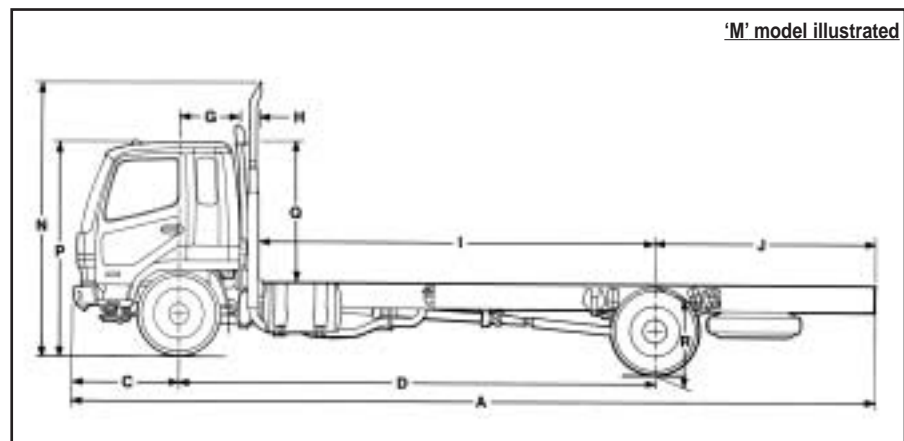
## DIMENSIONS (mm)

		FM61FH	FM61FM	FM61FMW
Width	Front Fender:	1RFAE 2370	1RFAE 2370	1RFAE 2370
	Rear Axle:	2420	2420	2420
	Front Track:	1880	1880	1880
	Rear Track:	1815	1815	1815
	Frame:	840	840	840
Length	A Overall:	7455	9325	9325
	C Front Overhang:	1245	1245	1245
	D Wheelbase:	4280	5550	5550
	G Front Axle to Rear of Cab:	745	745	1445
	H Rear of Cab to Vertical Exhaust:	210	210	235
	I Frame, Exhaust to Rear Axle:	3325	4595	3870
	J Rear Frame, Rear Axle to End:	1930	2530	2530
Height	N Overall:	3365	3365	3365
	P Cab to Ground:	2640	2640	2710
	Q Cab to Frame:	1654	1654	1736
	R Rear Frame to Ground:	1025	1025	1025
	Ground Clearance:	220	220	220

## PERFORMANCE (Calculated - Paved Road)

Electronically Speed Limited to (km/h):	*100	*100	*100
Gradeability at Rated GVM:	36.4%	36.4%	36.4%
Gradeability at Rated GCM:	23.2%	23.2%	23.2%
Turning Circle (kerb to kerb):	14.4m	18.0m	20.0m

\*Conforms to ADR 65/..



Note: Chassis reinforcement must be utilised for Tipper/Demountable type body configurations.

To conform with ADR 13/.. (lighting requirements) the following must be adhered to at body installation.

- Reflective rear marker plates must be installed.
- 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.