

FIGHTER 10.0

FM65/7F
177kW 4x2



MODEL	W/Base	GVM	GCM	
FM65FH1RFAE swb 6 spd	4280mm	16000kg	25000kg	} Steel Rear Suspension
FM65FJ1RFAG mwb Auto	4620mm	16000kg	25000kg	
FM65FP1RFAE xlwb 6 spd	6080mm	16000kg	25000kg	
FM67FP1RFAH xlwb 6 spd	6080mm	16000kg	25000kg	Air Rear Suspension

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 (except FM65FJ auto)
 Disc Diameter: 380mm
 Type: Single Dry Plate
 Operation: Air Assisted Hydraulic
 Facing - Area: Cerametallic - 638.4cm²

TRANSMISSION (Manual)

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

TRANSMISSION (FM65FJ Auto)

Allison MD3060P
 No. of Speeds: 6
 Control: Electronic Lever Type with Service Brake Interlock and Exhaust Brake Interface
 Oil Cooler: Oil to Air
 Torque Converter: TC415-2.35 with Lockup Clutch
 Ratios - 1st: 3.487
 - 2nd: 1.864
 - 3rd: 1.409
 - 4th: 1.000
 - 5th: 0.750
 - 6th: 0.652
 - Rev. 5.027
 PTO Opening: LH & RH Engine Driven

PROPELLER SHAFT

Type: P10
 Universal Joint: Needle Roller

FRONT AXLE

Mitsubishi F070T
 Type: Reverse Elliot 'I' Beam
 Capacity - Axle: 6000kg
 Max. Load Rating at Ground: 6000kg

REAR AXLE

Mitsubishi R060T/D8H
 Type: Full Floating Hypoid
 Capacity - Axle: 10200kg
 Max. Load Rating at Ground: 10000kg
 Ratio: FM65FH. 5.142:1
 FM65FJ. 6.666:1
 FM65/7FP. 4.444:1

STEERING

Type: Integral Power Assisted Ball and Nut
 Ratio: 22.4:1
 Steering Wheel: 450mm Urethane
 Steering Column: Tilt/Telescopic Adjustable with Lock

BRAKES

Type: Full Air, Dual Circuit, Mitsubishi Taper Roller with Automatic Brake Adjustment
 Size - Front: 410x150mm
 - Rear: 410x200mm
 Lining - Area/Swept: Asbestos Free - 5820/9020cm²
 Park Brake: Rear Wheel Spring Actuated
 Auxiliary: Exhaust Brake
 Compressor: Water Cooled, 340cc Single Cyl.
 Air Dryer Model: DU-5

FRONT SUSPENSION

Type: Parabolic Leaf
 Size: 1400x80x19mm-4 Leaves
 Capacity at Ground: 3400kg ea.
 Shock Absorbers: Double Acting

REAR SUSP. (FM65 - Steel)

Type: Semi-Elliptic Leaf
 Size: 1400x80x11mm-10 Leaves
 Auxiliary: 960x80x11mm-10 Leaves
 Capacity at Ground: 5100kg ea.

REAR SUSP. (FM67 - Air)

Type: Trailing Arm with Air Dump Control
 RFCN: RF2043
 Trailing Arm: (615+380)x80x35mm-2 Leaves
 Capacity at Ground: 10000kg total
 Shock Absorbers: Double Acting

CHASSIS

Type: Parallel Channel
 Size: 280x90x8.0mm
 Width: 840mm
 Tensile Strength: 55kg/mm²

WHEELS & TYRES

Wheel - Type: 7, Single Piece Disc
 - Size: 22.5x8.25DC-165-12t
 - Stud Pattern: 10x335mm PCD
 Tyre - Size: FM65FH, J. 11R22.5 148/145L
 H. Traction Tread to Rear
 FM65/7FP. 275/70R22.5 148/145L
 Spare Tyre Carrier: Provided

OPTIONAL EQUIPMENT

R50 (P. only): 370 Litre (2x185) Fuel Capacity

MASS (kg - estimated)

Model	Front	Rear	Total
FM65FH1RFAE	2705	1760	4465
FM65FJ1RFAG	2820	1870	4690
FM65FP1RFAE	2770	1955	4725
FM67FP1RFAH	2760	1890	4650

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

CAB FEATURES

All Steel Forward Control

Type:	Manual Tilt 44 deg.
Mounting:	Hydroelastic Suspension 4 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:	3
Seat Belts:	2 ELR Lap Sash, 1 Lap
Seats	<u>Driver:</u> - 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 <u>Centre:</u> - Low Back with Fabric Trim - Forward Folding <u>LH:</u> - Fixed Base - 32 Stage Reclining - Integral Headrest and Fabric Trim

DIMENSIONS (mm)

		FM65FH 1RFAE	FM65FJ 1RFAG	FM65/7FP 1RFAE/H
Width	Front Fender:	2370	2370	2370
	Rear Axle:	2435	2435	2435
	Front Track:	1915	1915	1915
	Rear Track:	1815	1815	1815
	Frame:	840	840	840
Length	A Overall:	7455	7945	10695
	C Front Overhang:	1245	1245	1245
	D Wheelbase:	4280	4620	6080
	G Front Axle to Rear of Cab:	745	745	745
	H Rear of Cab to Vertical Exhaust:	210	210	210
	I Frame, Exhaust to Rear Axle:	3325	3665	5125
	J Frame, Rear Axle to End:	1930	2080	3370
Height	N Overall - FM65:	3410	3405	3360
	- FM67:			3350
	P Cab to Ground - FM65:	2685	2680	2635
	- FM67:			2630
	Q Cab to Frame:	1654	1654	1654
	R Rear Frame to Ground - FM65:	1080	1075	1035
	- FM67 Suspension - Inflated: - Delfated:			969 920
Ground Clearance:	265	265	220	

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

Warning Lamp/Buzzer:

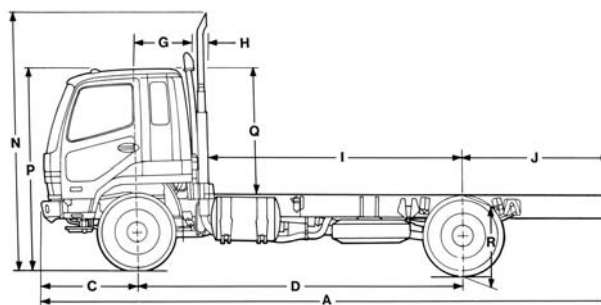
- Air Pressure
- Oil Pressure
- Engine Overheat/Low Coolant Level
- Air Rear Suspension (FM67. only)
- Transmission Oil Temperature (J. only)

PERFORMANCE (Calculated - Paved Road)

Electronically Speed Limited to (km/h):	*100	*100	*100
Gradeability at Rated GVM:	33.6%	41.5%	31.5%
Gradeability at Rated GCM:	20.4%	24.9%	19.2%
Turning Circle (kerb to kerb):	15.0m	16.2m	20.8m

*Conforms to ADR 65/..

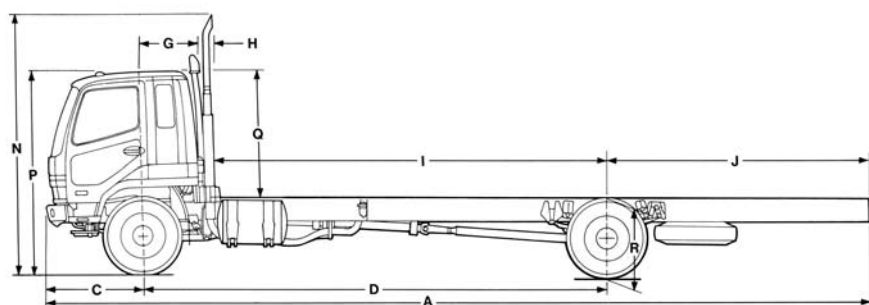
'FM65FH' model illustrated



STANDARD EQUIPMENT

- Electric Windows 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
- LH Seat Storage Tray
- Overhead Storage Pocket with Lid
- RH Door Storage Pocket
- Rear Bunk Storage Pockets
- Cup Holders (2)
- Opening Rear Quarter Windows
- Interior Sun Visors
- Fluorescent Cabin Lamp
- 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

'FM65FP' model illustrated



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.

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