

CANTER 4.5t

FE85P-Z
4x2 Diesel



MODEL
FE85PGZSRFAA lwb
FE85PJZSRFAA xlwb

W/Base
3870mm
4470mm

GVM
8200kg
8200kg

GCM
11700kg
11700kg

ENGINE

Mitsubishi 4D34-3AT3B Diesel (ADR 80/00)
Configuration: 4 Cyl. In-line OHV
Type: Turbocharged and Intercooled with Quick Heat Glow Plugs and Catalytic Converter
Displacement: 3907cc
Bore x Stroke: 104 x 115mm
Power (ECE R85-00): 103kW @ 2900 rpm
Torque (ECE R85-00): 365Nm @ 1600 rpm
Maximum Engine Speed: 3400 rpm
Compression Ratio: 18.0:1
Oil Cooler: Plate Type, Water Cooled

FUEL

Pump: MD-TICS (pre-stroke control) In-line Type
Governor: RED-III Electronic
Controls: Key Operated Start/Fuel, Engine Idle and Engine Emergency Stop
Filtration: Main Filter and Water Separator
Fuel Capacity: 125 Litres
Air Cleaner: Dry Paper Element with Vertical Intake

COOLING

Fan: 430mm dia. 8 Blades
Fan Drive: Thermo Modulated
Radiator: Corrugated Fin with Expansion Tank

ELECTRICAL

Voltage: 12V Negative Earth
Alternator Capacity: 12V-100 amp
Starter Capacity: 12V-3.0kW
Battery Capacity: 2x12V, 110Ah/20hr in Parallel
Headlamp: 2x55/60W Quartz Halogen

CLUTCH

Mitsubishi C4W30D
Disc Diameter: 300mm
Type: Single Dry Plate
Operation: Hydraulic with Direct Power Cylinder
Facing - Area: Asbestos Free - 846cm²

TRANSMISSION

Mitsubishi M035S6
No. of Speeds: 6 with In-Dash Gearshift Control
Synchromesh: 2nd~6th
Ratios - 1st: 5.520
- 2nd: 3.657
- 3rd: 2.368
- 4th: 1.515
- 5th: 1.000
- 6th: 0.698
- Rev. 5.400
PTO Opening: LH Side

PROPELLER SHAFT

Type: P3
Universal Joint: Needle Roller

FRONT AXLE

Type: Reverse Elliot 'I' Beam
Capacity - Axle: 3000kg
Max. Axle Load Rating at Ground: 3000kg

REAR AXLE

Mitsubishi D040H
Type: Full Floating Hypoid
Capacity - Axle: 5640kg
Max. Axle Load Rating at Ground: 5640kg
Ratio: 5.571:1

STEERING

Type: Integral Power Assisted Ball and Nut
Ratio: 22.7:1
Steering Wheel: 400mm Urethane
Steering Column: Tilt/Telescopic Adjustable with Lock

BRAKES

Type: Oil Servo Assisted Hydraulic Dual Circuit with ABS (anti-lock braking system) and Automatic Brake Adjustment
Size - Front: 320x110mm
- Rear: 320x110mm
Lining - Area/Swept: Asbestos Free - 2992/4425cm²
Park Brake: Transmission Mounted
Auxiliary: Exhaust Brake

FRONT SUSPENSION

Type: Long Taper Leaf with Stabiliser Bar
Size: 1200x70x14mm-1 Leaves
15mm-2
Capacity at Ground: 1500kg ea.
Shock Absorbers: Double Acting

REAR SUSPENSION

Type: Semi-Elliptic Leaf with Stabiliser Bar
Size: 1300x70x11mm-2 Leaves
14mm-2
Auxiliary: 900x70x10mm-1 Leaves
12mm-1
13mm-1
11mm-2
Capacity at Ground: 3100kg ea.
Shock Absorbers: Double Acting

CHASSIS

Type: Parallel Channel
Size: 226x70x6.0mm
Width: 840mm
Tensile Strength: 540 MPa

WHEELS & TYRES

Wheel - Type: 7, Single Piece Disc
- Size: 17.5x6.00DC-127-9t
- Stud Pattern: 6x222.25mm PCD
Tyre - Size: 215/75R17.5LT 124/123L
Spare Tyre Carrier: Provided

OPTIONAL EQUIPMENT

H38: 8000/11500kg GVM/GCM Rating
R36: Driver's Air Bag & Seat Belt Pre-Tensioner

MASS (kg - estimated)

Model	Front	Rear	Total
FE85PGZSRFAA	1740	830	2570
FE85PJZSRFAA	1735	875	2610

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

CAB FEATURES

All Steel Forward Control (ECE R29)

Type:	Manual Tilt 45°
Mounting:	Hydroelastic 4 Point
Colour:	Natural White
Interior:	Fully Trimmed
Windscreen:	Laminated Tinted
Windscreen Wipers:	2 Speed - Intermittent Cycle with Integrated Washer Nozzles
Rear Vision Mirrors:	1 x Internal 2 x External Convex (ECE R46) - Heated
Seating Capacity:	3
Seat Belts:	2 ELR Lap Sash, 1 Lap Seats
	<u>Driver:</u> - 228mm Sliding - 47° Reclining - Headrest and Fabric Trim
	<u>LH:</u> - Flat Folding, 2 Passenger Bench Type with Reclining Adjustment - LH Headrest and Fabric Trim

INSTRUMENTS

Gauges:

- Speedometer with Odometer and Dual Tripmeter
- Tachometer
- Fuel Level, Water Temperature

Warning Lamps:

- High Beam
- Turn Signal/Hazard Warning
- Park Brake/Brake Dual Circuit
- Brake Oil Servo Pressure (inc's buzzer)
- Exhaust Brake, ABS
- Engine Pre-Heat
- Alternator
- Low Oil Pressure
- Engine Control (ECU)
- Heated Mirrors
- SRS Air Bag (R36 opt. only)

STANDARD EQUIPMENT

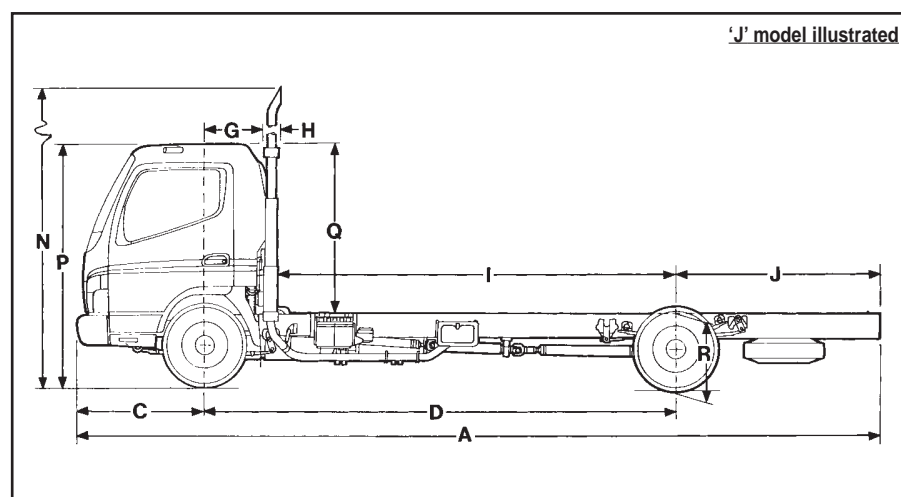
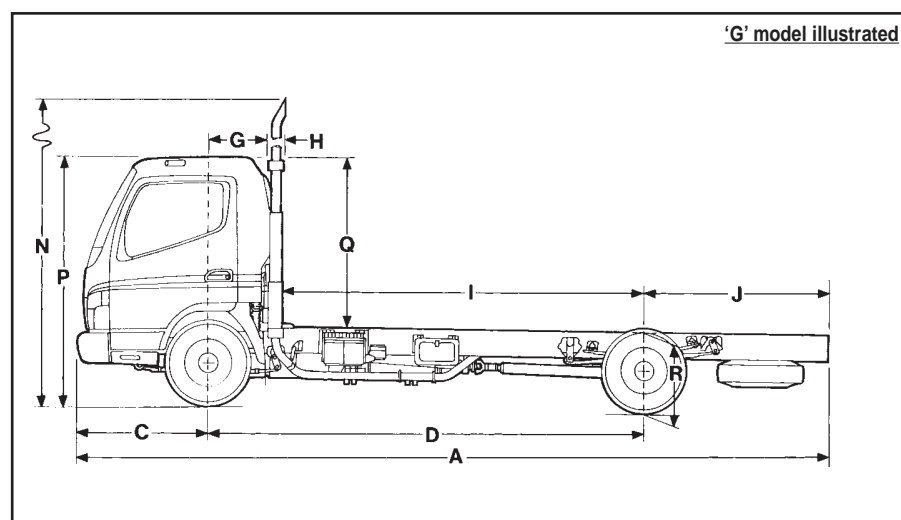
- Electric Windows
- Keyless Central Locking
- Door Side Impact Beams
- Tinted Side and Rear Glass
- **Air Conditioner/Heater Demister**
- AM/FM ETR Radio with CD Player and Digital Clock
- Dash Storage Tray, 2 DIN Glove Compartment
- RH Overhead, Map and Door Storage Pockets
- Floor Console, LH Seat Back Trays
- Cup Holders (2)
- Coat Hooks
- Interior Sun Visors
- Fluorescent Cabin Lamp
- Interior Dome Lamp with Delay Function
- Front End-Outline Marker Lamps
- Cigar Lighter
- Engine Access Panel
- Roof Mounting Points (max. static load 50kg)
- Electric Horn
- Reverse Warning Buzzer
- Tool Kit
- Chassis Mounted Tool Box
- Vertical Exhaust Outlet

DIMENSIONS (mm)

		FE85PG ZSRFAA	FE85PJ ZSRFAA
Width	Front Fender:	1995	1995
	Rear Axle:	2135	2135
Length	Front Track:	1665	1665
	Rear Track:	1660	1660
	Frame:	840	840
	Max. Body Width - General Application:	2435	2435
	A Overall:	6665	7575
	C Front Overhang:	1145	1145
Height	D Wheelbase:	3870	4470
	G Front Axle to Rear of Cab:	525	525
	H Rear of Cab to Vertical Exhaust:	121	121
	I Frame, Exhaust to Rear Axle:	3224	3824
	J Frame, Rear Axle to End:	1640	1950
	N Overall:	3250	3250
	P Cab to Ground:	2200	2200
	Q Cab to Frame:	1481	1481
	R Rear Frame to Ground:	815	815
	Ground Clearance:	185	185

PERFORMANCE (Calculated - Paved Road)

Road Speed (km/h) at Max. Engine Speed:	124	124
Gradeability at Rated GVM:	35.3%	35.3%
Gradeability at Rated GCM:	23.7%	23.7%
Turning Circle (kerb to kerb):	13.8m	15.6m



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

To conform with ADR 13/.. and 14/.. (lighting/mirror requirements) the following must be adhered to at body installation.

- If other than a flat type or tipper body is fitted, rear end-outline 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.
- If overall width is less than 2.2m, the mirrors must be modified to project not more than 230mm.