FRR 110-260 / FRR 110-260 CREW

FRR 110-260 CREW

FRR 110-260

AUSTRALIA’S TOP SELLING TRUCK BRAND SINCE 1989.

AT A GLANCE*

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVM</td>
<td>11,000 kg</td>
</tr>
<tr>
<td>GCM</td>
<td>16,000 kg</td>
</tr>
<tr>
<td>Power</td>
<td>191 kW @ 2,400 rpm</td>
</tr>
<tr>
<td>Torque</td>
<td>761 Nm @ 1,450 - 2,400 rpm</td>
</tr>
</tbody>
</table>

ADVANCED TECHNOLOGY

- Emissions: Euro V / ADR 80/03
- Driver and passenger airbag with seatbelt pretensioner
- ADR42 compliant sleeper - except crew
- ECE-R29 compliant cab
- Anti-lock Braking System (ABS)
- Anti Skid Regulator (ASR) - except auto and crew models
- Hill Start Aid (HSA) - except auto model
- Electric mirrors
- Front stabiliser bar
- Cruise control
- ISRI 6860 driver seat with integrated seatbelt
- Cornering lamps

* Satellite Navigation functions and maps provided at no extra cost, with up to four quarterly updates provided by user free download for the first three years of ownership, after which updates can be purchased at additional cost.

Now with Sat Nav fitted as standard*

TIC: Isuzu is a member of the Truck Industry Council – Safer Greener Essential.
DRIVELINE AND CHASSIS SPECIFICATIONS

ENGINE: ISUZU 6HK1-TCC

Type: 6 cylinder 24 valve SOHC
Displacement: 7,790 cc
Compression Ratio: 17.5:1
Bore x Stroke: 115 mm x 125 mm
Max power (DIN-NET): 191 kW (256 HP) @ 2,400 RPM
(JIS Gross): 198 kW (265 HP) @ 2,400 RPM
Max torque (DIN-NET): 761 Nm (561 lb.ft) @ 1,450 - 2,400 RPM
(JIS Gross): 788 Nm (581 lb.ft) @ 1,450 - 2,400 RPM

Induction system: Electronically controlled variable nozzle turbocharger with air-to-air intercooler.
Fuel injection: Direct injection high pressure common rail system.
Emission control system: Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/03 (Euro V) compliant. EEV compliant.

CLUTCH (MANUAL TRANSMISSION MODEL)

• Air assisted hydraulic control. Single plate 381 mm diameter.
• Total lining area: 1,363 cm²

TRANSMISSION

ISUZU MZW-6P (except auto model)

• 6 speed manual with air assisted shift.
• Synchronmesh on gears 2-6. Triple cone synchronmesh on 2nd and 3rd gears. Integral oil pump provides full pressure lubrication.
• PTO provision on LHS of transmission case. PTO drive from mainshaft gear.
• Gear ratios (1)
  1st  2nd  3rd  4th  5th  6th  Rev
  6.615 4.095 2.358 1.531 1.000 0.722 6.615

ALLISON LCT2500 (auto model)

• 6 speed automatic. 5th generation electronic controls with adaptive shift.
• Allison long life TranSynd synthetic fluid.
• LHS and RHS PTO openings on transmission case. Torque convertor turbine driven PTO drive gear.
• Gear ratios (1)
  1st  2nd  3rd  4th  5th  6th  Rev
  3.51 1.90 1.44 1.00 0.74 0.64 5.09

AXLES

Front: Isuzu F041
• Reverse Elliot I-beam. 4,100 kg capacity.
Rear: Isuzu R077
• Full floating Banjo type. 7,700 kg capacity.
• Drive ratio: 4.33:1

SUSPENSION

Front:
• Single stage alloy steel taper leaf springs.
• Double acting hydraulic shock absorbers. Stabiliser bar.
Rear: (FRR 110-260):
• Multi leaf main spring, multi leaf helper spring.
REAR (FRD 110-260):
• Hendrickson HAS200 airbag. 9,000kg capacity at ground.
• Outboard mounted double acting shock absorbers.

BRAKES

• Dual circuit air over hydraulic front and rear drum brakes.
• ABS.
• ASR traction control - except auto and crew models.
• Hill Start Aid (HSA) - except auto model.
• Front drum size: 320 x 120 mm
• Rear drum size: 320 x 145 mm
• Spring park brake.
• AIR controlled exhaust brake.
• Air dryer.

STEERING

• Power assisted recirculating ball steering.
• Gear ratio: 16.1 - 18.8:1
• Turns lock to lock: 4.1
• Maximum angle: 52° (inside wheel) / 39° (outside wheel)

WHEELS AND TYRES

• 17.5 x 6.75 six stud steel wheels (except AW model).
• 17.5 x 6.75 six stud Alcoa aluminium wheels (AW model).
• 235/75R17.5 132/130M Michelin X Multi Z Tubeless.
• Maximum tyre rating:
  Steer axle: 4,000 kg
  Drive axle: 7,600 kg
• Spare wheel and tyre assembly with winch type carrier.

CHASSIS FRAME

• Cold riveted ladder frame with parallel side rails. HT540A high tensile weldable steel sidemembers.
• Frame dimensions:
  Side rail (mm): 225 x 70 x 6.0
  Rear frame width (mm): 840
CABINET SPECIFICATIONS AND APPOINTMENTS

CAB EXTERIOR
- All steel construction. High tensile steel used for cab underframe.  
  Single cab: Manual cab tilt to 45° with torsion bar assistance.  
  Crew cab: Electro-hydraulic cab tilt.  
- Complies with ECE-R29 cab strength standard.  
- Liquid filled front and rear cab mounts.  
- Heavy duty non slip entry steps.  
- 90° opening internally reinforced front doors.  
- Water spray suppression guards and front mudflaps.  
- Laminated windscreen with shade band.  
- Two speed windscreen wipers, with intermittent wipe mode.  
- Halogen multi-reflector headlamps incorporating turn signals. Additional door mounted integrated side indicator/cornering lamps.  
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.  
- Roof-mounted clearance lamps.  
- Heated and powered exterior main mirrors with flat glass and additional illumination lamps. Extended wiring harness. Reverse alarm.  
- Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.  
- Heated and powered exterior main mirrors with flat glass and additional illumination lamps. Extended wiring harness. Reverse alarm.  
- Electronically driven speedometer and tachometer. Digital odometer with integrated dual tripmeter. Engine coolant temperature, fuel level and air pressure gauges.  
- Warning lamps: Check engine, oil pressure, ABS, SRS airbag, alternator charge, service brakes, park brake, seatbelt unfastened, low air pressure, low fuel level, cab lock.  
- Indicator lamps: HSA (except auto model), warm up system, high beam, ASR (except auto and crew models), exhaust brake, turn signals, cruise control.  
- Multi information display. Shows service intervals, vehicle systems status, instantaneous and average fuel consumption, DPD bar chart, hourmeter, voltmeter, time/day/date and includes 40-120km/h adjustable vehicle speed warning.

INSTRUMENTATION

ELECTRICAL SYSTEM
- 24 volt electrical system.  
- 90 amp alternator.  
- 24 volt, 5.0 kW starter motor.  
- 2 x 115E41L (651 CCA) batteries connected in series.  
- Underdash CAN interface unit and connector. SAE J1939 protocol. Facilitates connection to a Fleet Management System (FMS) (not supplied).

ISUZU SATELLITE NAVIGATION
Integrated with radio/CD multimedia unit. Displayed information includes:
- Points of interest and Isuzu truck dealer locations.  
- Road safety alerts.  
- Speed limits and traffic signals.  
- Route selection based on entered information such as vehicle weight and dimensions.

DRIVER CONTROLS
- Key-operated engine start/stop and steering lock. Engine idle speed control.
- HSA slow/fast engagement control and on/off switch - except auto model.  
- ASR on/off - except auto and crew models.  
- DPD regeneration.  
- T-bar gear selection control (auto model).  
- Left side combination stalk: Windscreen wipers, washers and exhaust brake.  
- Right side combination stalk: Turn signals, headlamps and cruise control.

OPTIONS AND GENUINE ACCESSORIES
Include the following (extra cost, request a brochure and further details from your Isuzu dealer):

Multimedia unit:
- Supports up to five camera inputs. One digital camera with infra red and rear microphone input active when reversing. Four analogue cameras.  
- Reversing sensors  
- Tyre pressure monitoring system  

Other:
- Airbag compatible bullbar.  
- Air deflector.

ISUZU CARE
Isuzu Care gives truck owners access to products and services including Roadside Assist, Service Agreements, Extended Care, Extended Isuzu Assist and the Isuzu Care Centre. Call 1800 035 640.
### WEIGHTS (kg)

<table>
<thead>
<tr>
<th>Models</th>
<th>Ratings*</th>
<th>Loading Limit* (at ground)</th>
<th>Cab Chassis Mass #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GVM</td>
<td>GCM</td>
<td>Front</td>
</tr>
<tr>
<td>FRR 110-260 MWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 AUTO MWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 LWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 AUTO LWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 XLWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 CREW</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 AUTO XLWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRR 110-260 AUTO CREW</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRD 110-260 MWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRD 110-260 LWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRD 110-260 LWB (AW)</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
<td>FRD 110-260 AUTO LWB</td>
<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
<tr>
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<td>11,000***</td>
<td>16,000**</td>
<td>4,000</td>
</tr>
</tbody>
</table>

| * Vehicle ratings and front/rear weight limits are subject to government regulatory requirements and weight distribution analysis. Consult your Isuzu dealer to select the correct vehicle for your specific application.

** 11,000kg / 20,000kg GVM / GCM rating available subject to application approval. Auto models only: Pre-approved ratings as stated apply for general transport and distribution applications. For other applications approval from Allison is required. For example, GVM and GCM limits of 12,000kg apply for refuse application. *** Optional 8,000kg GVM rating available. Cab chassis only as supplied and including 10 litres of fuel.

### DIMENSIONS (mm)

<table>
<thead>
<tr>
<th>Models</th>
<th>WB</th>
<th>OAL</th>
<th>FOH</th>
<th>ROH</th>
<th>EA</th>
<th>CE</th>
<th>RT</th>
<th>ORT</th>
<th>CH</th>
<th>FFA (unladen)</th>
<th>RFA (unladen)</th>
<th>RFH (unladen)</th>
<th>KERB</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRR 110-260 MWB</td>
<td>4,360</td>
<td>7,255</td>
<td>1,170</td>
<td>1,725</td>
<td>3,375</td>
<td>5,190</td>
<td>1,600</td>
<td>2,170</td>
<td>2,585</td>
<td>715</td>
<td>895</td>
<td>960</td>
<td>13,9</td>
</tr>
<tr>
<td>FRR 110-260 LWB</td>
<td>5,160</td>
<td>8,605</td>
<td>1,170</td>
<td>2,275</td>
<td>4,175</td>
<td>6,540</td>
<td>1,600</td>
<td>2,170</td>
<td>2,585</td>
<td>715</td>
<td>895</td>
<td>950</td>
<td>16,4</td>
</tr>
<tr>
<td>FRR 110-260 XLWB</td>
<td>5,560</td>
<td>9,155</td>
<td>1,170</td>
<td>2,425</td>
<td>4,575</td>
<td>7,090</td>
<td>1,600</td>
<td>2,170</td>
<td>2,585</td>
<td>715</td>
<td>895</td>
<td>960</td>
<td>17,7</td>
</tr>
<tr>
<td>FRR 110-260 CREW</td>
<td>5,160</td>
<td>8,605</td>
<td>1,170</td>
<td>2,275</td>
<td>3,450</td>
<td>5,848</td>
<td>1,600</td>
<td>2,170</td>
<td>2,650</td>
<td>715</td>
<td>895</td>
<td>950</td>
<td>16,4</td>
</tr>
<tr>
<td>FRD 110-260 MWB</td>
<td>4,360</td>
<td>7,465</td>
<td>1,170</td>
<td>1,935</td>
<td>3,375</td>
<td>5,400</td>
<td>1,600</td>
<td>2,170</td>
<td>2,585</td>
<td>720</td>
<td>820</td>
<td>860</td>
<td>13,9</td>
</tr>
<tr>
<td>FRD 110-260 LWB</td>
<td>5,160</td>
<td>8,605</td>
<td>1,170</td>
<td>2,275</td>
<td>4,175</td>
<td>6,540</td>
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<td>2,170</td>
<td>2,585</td>
<td>720</td>
<td>820</td>
<td>860</td>
<td>16,4</td>
</tr>
</tbody>
</table>

### PERFORMANCE (calculated - typical paved road)

| Models | Geared Speed* (top gear at 2,400 RPM) | Low Speed Gradeability (lowest forward gear assuming no wheel slip) | Engine Speed (top gear at 100km/h)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRR/FRD 110-260</td>
<td>112 km/h</td>
<td>47%</td>
<td>2,145 RPM</td>
</tr>
<tr>
<td>FRR/FRD 110-260 AUTO</td>
<td>126 km/h</td>
<td>39%</td>
<td>1,980 RPM</td>
</tr>
</tbody>
</table>

*Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information.

### ISUZU WARRANTIES

**STANDARD**
- New Vehicle: 3 years • 150,000km • 2,500 hours
- Cab Perforation Corrosion: 3 years • unlimited km
- Isuzu Assist: 24 hour roadside assistance (3 years, unlimited km)*

**EXTENDED CARE**
- Extended Warranty: 5 years • 300,000km • 5,000 hours
- Isuzu Assist: 24 hour roadside assistance (5 years, unlimited km)

**ORDER CODES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRR 110-260 MWB</td>
<td>FH-FRRCG-B18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 AUTO MWB</td>
<td>FH-FRRCG-L18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 LWB</td>
<td>FH-FRRCG-D18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 AUTO LWB</td>
<td>FH-FRRCG-E18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 AUTO XLWB</td>
<td>FH-FRRCG-P18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 CREW</td>
<td>FH-FRRCG-D18 (LM81I)</td>
</tr>
<tr>
<td>FRR 110-260 AUTO CREW</td>
<td>FH-FRRCG-N18 (LM81I)</td>
</tr>
<tr>
<td>FRD 110-260 MWB</td>
<td>FH-FRDGC-B18 (LM81I)</td>
</tr>
<tr>
<td>FRD 110-260 LWB</td>
<td>FH-FRDGC-D18 (LM81I)</td>
</tr>
<tr>
<td>FRD 110-260 AUTO LWB (AW)</td>
<td>FH-FRDGC-D28 (LM81I)</td>
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<tr>
<td>FRD 110-260 AUTO LWB</td>
<td>FH-FRDGC-N18 (LM81I)</td>
</tr>
<tr>
<td>FRD 110-260 AUTO LWB (AW)</td>
<td>FH-FRDGC-N28 (LM81I)</td>
</tr>
</tbody>
</table>

* Subject to the conditions outlined in the ISUZU New Vehicle Warranty, the Isuzu FRR and FRD models carry a standard factory warranty which covers the owner: (i) for the entire vehicle, for the first 36 months or 150,000km or 2,500 hours (whichever comes first), (ii) against cab perforation corrosion, for 36 months or unlimited kilometres. 2 Extended Warranty as illustrated may be purchased to cover the owner against the failure of original components, but may exclude some components and expendable items such as oil, filters, etc. "Valid for three years from the date of new vehicle purchase. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer Law including customer guarantees. For more details visit the Isuzu website which explains Isuzu warranties in more detail, or alternatively contact your local dealers.

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