

FRR 110-260

FRD 110-260

FRR 110-260 CREW



WEIGHT RATINGS*

| | |
|------------|-----------|
| GVM | 11,000 kg |
| GCM | 20,000 kg |

ENGINE

| | |
|---------------|---------------------------|
| POWER | 191 kW @ 2,400 rpm |
| TORQUE | 761 Nm @ 1,450 - 2400 rpm |

TRANSMISSION

| |
|-------------------------------------|
| 6 speed manual transmission (MT) |
| 6 speed automatic transmission (AT) |

* Refer to back page for detailed weight rating information

| ISUZU CARE | |
|---------------------------------------------------------------------------|-----------------------------------|
| WARRANTY | 6 Year Standard Warranty |
| | 300,000 km / no hours stipulation |
| ROADSIDE ASSIST | 6 Year Roadside Support |
| | 24/7 Unlimited km |
| HARSH APPLICATION WARRANTY (CONCRETE AGITATOR / GARBAGE COMPACTOR) | 3 Year Standard Warranty |
| | 200,000 km / no hours stipulation |
| | 3 Year Roadside Support |
| | 24/7 Unlimited km |

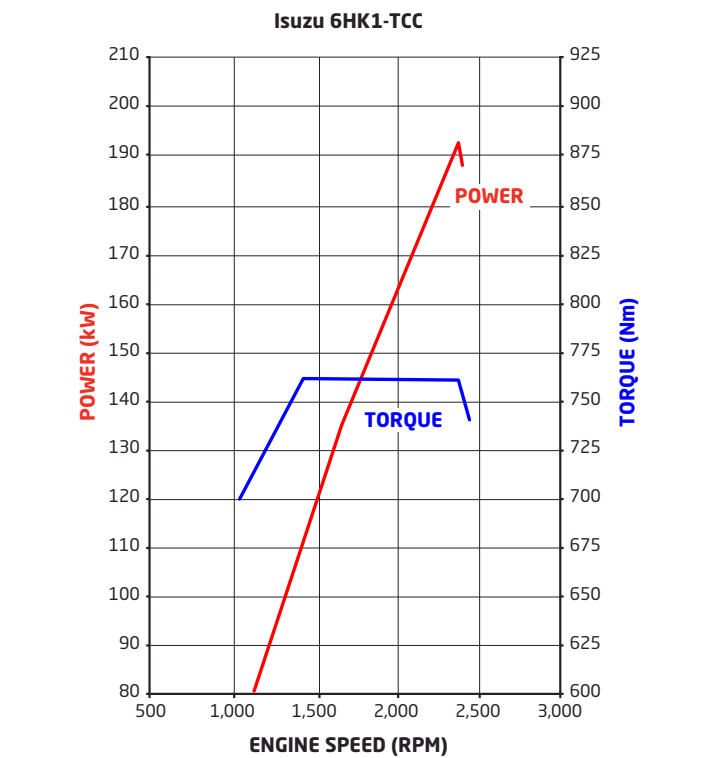
| SERVICE AGREEMENTS | | | |
|---------------------------------------------|-----------------------------------------------------------|-----------------|-------|
| OPTIONAL SERVICE PACKAGES | ESSENTIALS | ESSENTIALS PLUS | TOTAL |
| SCHEDULED SERVICINGS | ● | ● | ● |
| CONSUMABLES | | ● | ● |
| ENGINE, TRANSMISSION & DRIVELINE | | | ● |
| EXTRAS | After-hours Servicing, Glass, Fuel Card, Pickup - Dropoff | | |

| INTELLIGENT SAFETY | | |
|------------------------------------------------------------|-----------------------------------------------------------|--------------|
| ACTIVE SAFETY | Anti Lock Braking System | (ABS) |
| | Anti Skid Regulator - except AT & crew models | (ASR) |
| | Hill Start Aid - except AT models | (HSA) |
| | Cab Tilt Warning | (CTW) |
| PASSIVE SAFETY CABIN OCCUPANT SAFETY SYSTEMS (COSS) | Low light capable reversing camera | |
| | Driver & front passenger airbags | |
| | Driver & front left hand passenger seatbelt pretensioners | |
| | ECE-R29 cab with side anti-intrusion beams | |
| | Door mounted cornering lamps | |



Subject to the conditions outlined in the IAL New Vehicle Warranty. For further information please visit isuzu.com.au or contact your local dealer.

| ENGINE | |
|-------------------|------------------------------------------------------------------------------------------------|
| DESCRIPTION | 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 |
| POWER | 191 kW (260PS) @ 2,400 rpm (DIN NET) |
| TORQUE | 761 Nm @ 1,450 rpm - 2,400 rpm (DIN NET) |
| INDUCTION | Electronically controlled variable nozzle turbocharger with air-to air intercooler |
| FUEL INJECTION | Direct injection high pressure common rail system |
| EMISSION CONTROL | Cooled EGR with exhaust Diesel Particulate Diffuser (DPD). ADR 80/03 (Euro V / EEV) compliant. |



| TRANSMISSION | |
|--------------|-------------------------------------------------------------------------------------------------------------------------|
| MT | CLUTCH |
| | Type: Single plate with air assisted hydraulic control |
| | Clutch plate diameter: 381 mm |
| | Clutch lining area: 1,363 cm² |
| | GEARBOX |
| | Description: Isuzu MZW-6P |
| | Type: 6 speed with synchromesh on gears 2-6 |
| | Ratios: |
| | 1st 2nd 3rd 4th 5th 6th Rev |
| | 6.615 4.095 2.358 1.531 1.000 0.722 6.615 |
| | Power Take Off facility: PTO provision on LHS of transmission case |
| | Other features: Air assisted shift, full pressure oil lubrication |
| AT | Description: Allison LCT2500 |
| | Type: 6 speed automatic |
| | Ratios: |
| | 1st 2nd 3rd 4th 5th 6th Rev |
| | 3.51 1.90 1.44 1.00 0.74 0.64 5.09 |
| | Power Take Off facility: LHS and RHS PTO openings on transmission case. Torque convertor turbine driven PTO drive gear. |
| | Other features: Allison long life TranSynd synthetic fluid |

| AXLES | |
|-------|-----------------------------|
| FRONT | Description: Isuzu F041 |
| | Type: Reverse Elliot I-beam |
| | Capacity: 4,100 kg |
| REAR | Description: Isuzu R077 |
| | Type: Single drive |
| | Capacity: 7,700 kg |
| | Ratio: 4.333 |

| SUSPENSION | | | |
|------------|-----|-----------------|----------------------------------------------------------|
| FRONT | | Type: | Single stage alloy steel taper-leaf springs |
| | | Other features: | Double acting hydraulic shock absorbers. Stabiliser bar. |
| REAR | FRR | Type: | Multi-leaf main spring, multi leaf helper spring |
| | FRD | Description: | Hendrickson HAS200 |
| | | Type: | Airbag |
| | | Capacity: | 9,000 kg at ground |

| BRAKES | |
|------------------------|----------------------------------------------------------|
| TYPE | Air over hydraulic dual circuit front & rear drum brakes |
| DIAMETER X WIDTH FRONT | 320 x 120 mm |
| DIAMETER X WIDTH REAR | 320 x 145 mm |
| PARK BRAKE | Spring park brake acting on all rear wheels |
| AUXILIARY BRAKE | Air controlled exhaust brake |

| STEERING | |
|--------------------|------------------------------------------|
| TYPE | Power assisted recirculating ball |
| GEAR RATIO | 16.1 - 18.8:1 |
| TURNS LOCK TO LOCK | 4.1 |
| WHEEL LOCK ANGLE | 52° (inside wheel) / 39° (outside wheel) |

| WHEELS & TYRES | | |
|--------------------------------------------------------------------|-------------------------|--------------------------------------------------------|
| FRONT | Wheels: | 17.5 x 6.75 six stud steel wheels (except AW model) |
| | | 17.5 x 6.75 six stud Alcoa aluminium wheels (AW model) |
| | Tyres: | 235/75R17.5 132/130M Michelin X Multi Z Tubeless |
| | Steer axle tyre rating | 4,000 kg |
| | Wheels: | 17.5 x 6.75 six stud steel wheels (except AW model) |
| REAR | | 17.5 x 6.75 six stud Alcoa aluminium wheels (AW model) |
| | Tyres: | 235/75R17.5 132/130M Michelin X Multi Z Tubeless |
| | Drive axle tyre rating: | 7,600 kg |
| Spare: Spare wheel and tyre assembly supplied. Winch type carrier. | | |

| CHASSIS FRAME | |
|---------------|--------------------------------------------------------------|
| TYPE | Cold rivetted ladder frame with parallel side rails. |
| MATERIAL | HT540A steel sidemembers |
| DIMENSIONS | Side rail (mm): 225 x 70 x 6.0 Rear frame width (mm): 840 |

| FUEL TANK | |
|-----------|-------------------------------|
| TYPE | Frame mounted steel fuel tank |
| CAPACITY | 200L |
| FUEL CAP | Lockable |

| ELECTRICAL SYSTEM | |
|-------------------|---------------------------------------------------------------------------------------------------|
| TYPE | 24 volt |
| ALTERNATOR | 90 amp |
| STARTER MOTOR | 5.0 kW |
| BATTERY | 2 x 115E41L (651 CCA) batteries connected in series |
| CAN BUS PROVISION | Underdash CAN system access plug for connection to a Fleet Management System (FMS) (not supplied) |

CABIN SPECIFICATIONS & APPOINTMENTS

| CABIN GENERAL FEATURES | |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| ENGINE ACCESS | Single cab: Manual cab tilt to 45° with torsion bar assistance Crew cab: Electro-hydraulic cab tilt |
| STEPS | Heavy duty anti slip steps |
| DOORS | 90° opening internally reinforced front doors |
| MIRRORS | Heated and powered exterior main mirrors with flat glass & additional independantly adjustable convex "spot" mirrors |
| WIPERS | Two speed windscreen wipers with intermittent wipe mode |
| EXTERIOR LIGHTING | LED main beam & halogen high beam headlamp assembly with position lamp |
| | Roof mounted clearance lamps |
| | Front foglamps |
| AUDIBLE WARNING | Reverse alarm |
| GRILLE | Chrome |
| FRONT BUMPER | Body coloured air dam type |
| SECURITY | Central locking with remote keyless entry & immobiliser |

| CABIN INTERIOR | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| SEATING | Isri 6860/875 NTS air suspension driver's seat |
| | Front passenger adjustable bucket seat & front centre seat with folding seat back |
| | Crew cab: Rear bench seat with 4 seat capacity |
| SEATBELTS | 3-point lap sash seatbelts in all outboard seating positions. Driver seatbelt integrated with driver seat. Centre seat lap belts. |
| STEERING COLUMN | Tilt/telescopic adjustable |
| ENTRY ASSIST GRIPS | Door & roof pillar mounted |
| DOOR WINDOWS | Electric control |
| STORAGE | Overhead compartments |
| | Twin cup holders |
| | Centre console box & storage tray |
| | Front door pockets |
| POWER OUTLET | 24V cigarette lighter |
| AIRCONDITIONING | Single cab: Auto control Crew cab: Manual control |
| INTERIOR LIGHTING | Fluorescent lamp |

| MYISUZU CO-PILOT AUDIO VISUAL UNIT | |
|------------------------------------|---------------------------------------------------|
| SCREEN TYPE | 10.1" 1080p High Definition with capacitive touch |
| OPERATING SYSTEM | Android Automotive |
| RADIO | AM/FM/DAB+ |
| INTERNAL STORAGE CAPACITY | 32GB |
| SMARTPHONE INTEGRATION | USB 3.0 socket |
| | Wi-Fi connectivity |
| | Android Auto / Apple CarPlay compatible |
| | Phone storage pocket |

| DRIVER CONTROLS | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| SAFETY SYSTEMS | ASR on/off (except crew and AT models), HSA on/off/ sensitivity adjust (except AT models) |
| ENGINE | Idle speed control |
| | Cruise control |
| | DPD manual regeneration switch |
| TRANSMISSION (AT ONLY) | T-bar gear selection control |
| GENERAL CONTROLS | Headlamp on/off and levelling, windscreen wipers (2 speed and intermittent modes), washers, exhaust brake, turn signals |

| INSTRUMENTATION | |
|---------------------------|----------------------------------------------------------------|
| MULTI INFORMATION DISPLAY | CTW indicator |
| | Low engine oil level alert |
| | Vehicle systems status |
| | Low fuel level alert |
| | Fuel consumption information |
| | Service interval alerts |
| | Hourmeter |
| | Adjustable vehicle speed warning |
| GENERAL INSTRUMENTATION | Speedometer & tachometer |
| | Digital odometer with integrated dual tripmeters |
| | Engine coolant temperature, fuel level and air pressure guages |

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ISUZU
RELIABILITY IS EVERYTHING

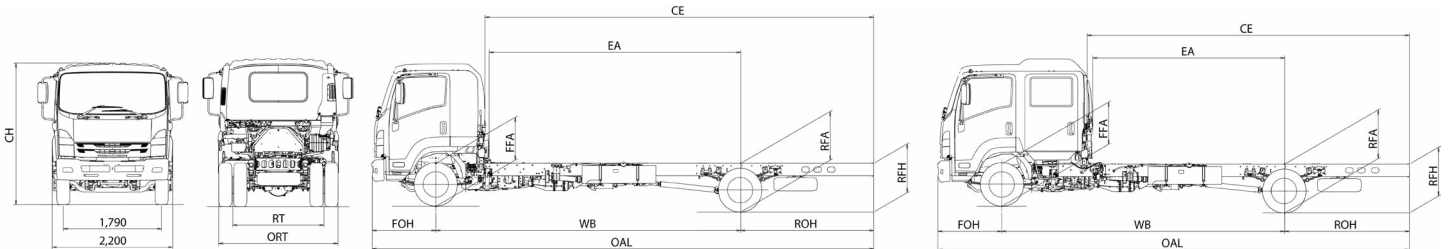
| WEIGHTS (kg) | | | | | | | |
|---------------------------|-----------|----------|----------------------------|-------|----------------------|-------|-------|
| MODELS | RATINGS* | | LOADING LIMIT* (at ground) | | CAB CHASSIS WEIGHT # | | |
| | GVM | GCM | FRONT | REAR | FRONT | REAR | TOTAL |
| FRR 110-260 MWB | 11,000*** | 20,000 | 4,000 | 7,600 | 2,270 | 1,220 | 3,490 |
| FRR 110-260 AUTO MWB | 11,000*** | 20,000** | 4,000 | 7,600 | 2,290 | 1,215 | 3,505 |
| FRR 110-260 LWB | 11,000*** | 20,000 | 4,000 | 7,600 | 2,315 | 1,245 | 3,560 |
| FRR 110-260 AUTO LWB | 11,000*** | 20,000** | 4,000 | 7,600 | 2,330 | 1,240 | 3,570 |
| FRR 110-260 XLWB | 11,000*** | 20,000 | 4,000 | 7,600 | 2,335 | 1,245 | 3,580 |
| FRR 110-260 AUTO XLWB | 11,000*** | 20,000** | 4,000 | 7,600 | 2,350 | 1,245 | 3,595 |
| FRR 110-260 CREW | 11,000*** | 20,000 | 4,000 | 7,600 | 2,510 | 1,300 | 3,810 |
| FRR 110-260 AUTO CREW | 11,000*** | 20,000** | 4,000 | 7,600 | 2,530 | 1,300 | 3,830 |
| FRD 110-260 LWB | 11,000*** | 20,000 | 4,000 | 7,600 | 2,300 | 1,330 | 3,630 |
| FRD 110-260 AUTO LWB | 11,000*** | 20,000** | 4,000 | 7,600 | 2,315 | 1,330 | 3,645 |
| FRD 110-260 AUTO LWB (AW) | 11,000*** | 20,000** | 4,000 | 7,600 | 2,300 | 1,280 | 3,580 |

* 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.

** Pre-approved ratings as stated apply for general transport and distribution applications. For other applications approval from Allison is required.

Cab chassis only as supplied and including 10 litres of fuel.

| DIMENSIONS (mm) | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|---------------|---------------|---------------------------------|
| MODELS | WB | OAL | FOH | ROH | EA | CE | RT | ORT | CH | FFA (unladen) | RFA (unladen) | RFH (unladen) | TURNING CIRCLE KERB TO KERB (m) |
| FRR 110-260 MWB | 4,360 | 7,255 | 1,170 | 1,725 | 3,375 | 5,190 | 1,660 | 2,170 | 2,585 | 715 | 895 | 960 | 13.9 |
| FRR 110-260 LWB | 5,160 | 8,605 | 1,170 | 2,275 | 4,175 | 6,540 | 1,660 | 2,170 | 2,585 | 715 | 895 | 950 | 16.4 |
| FRR 110-260 XLWB | 5,560 | 9,155 | 1,170 | 2,425 | 4,575 | 7,090 | 1,660 | 2,170 | 2,585 | 715 | 895 | 960 | 17.7 |
| FRR 110-260 CREW | 5,160 | 8,605 | 1,170 | 2,275 | 3,450 | 5,848 | 1,660 | 2,170 | 2,650 | 715 | 895 | 950 | 16.4 |
| FRD 110-260 LWB | 5,160 | 8,605 | 1,170 | 2,275 | 4,175 | 6,540 | 1,660 | 2,170 | 2,585 | 720 | 820 | 860 | 16.4 |



| PERFORMANCE (calculated - typical paved road) | | | | |
|-----------------------------------------------|------------------|------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------|
| | | GEARED SPEED~ (top gear at peak power engine rpm) | LOW SPEED GRADEABILITY (lowest forward gear assuming no wheel slip) | ENGINE SPEED (top gear at 100 km/h) |
| FRR/FRD 110-260 | at 11,000 kg GVM | 112 km/h @ 2,400 rpm | 47% | 2,145 rpm |
| FRR/FRD 110-260 AUTO | at 11,000 kg GVM | 126 km/h @ 2,400 rpm | 39% | 1,900 rpm |

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

| ORDER CODES | |
|---------------------------|--------------|
| Models | Codes |
| FRR 110-260 MWB | FH-FRRCG-B22 |
| FRR 110-260 AUTO MWB | FH-FRRCG-L22 |
| FRR 110-260 LWB | FH-FRRCG-D22 |
| FRR 110-260 AUTO LWB | FH-FRRCG-N22 |
| FRR 110-260 XLWB | FH-FRRCG-E22 |
| FRR 110-260 AUTO XLWB | FH-FRRCG-P22 |
| FRR 110-260 CREW | FH-FRRGG-D22 |
| FRR 110-260 AUTO CREW | FH-FRRGG-N22 |
| FRD 110-260 LWB | FH-FRDCG-D22 |
| FRD 110-260 AUTO LWB | FH-FRDCG-N22 |
| FRD 110-260 AUTO LWB (AW) | FH-FRDCG-N42 |

Subject to the conditions outlined in the IAL New Vehicle Warranty, Isuzu F series models carry a standard factory warranty which covers the owner for the first 72 months or 300,000 kilometres, no hours stipulation. All Isuzu warranties are subject to mandatory prescribed terms under Australian Consumer Law including consumer guarantees. Harsh Conditions variations to standard factory warranty may apply. For more details visit the Isuzu website at www.isuzu.com.au which explains Isuzu warranties in more detail, or alternatively contact your local Isuzu Truck dealer. All warranties commence from date of initial delivery.

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