

FVL 1400/1350 6X2



WEIGHT RATINGS*

GVM 24,000 / 18,000 kg
GCM 27,500 / 21,500 kg

ENGINE

POWER 221 kW @ 2,400 rpm
TORQUE 981 Nm @ 1,450 rpm

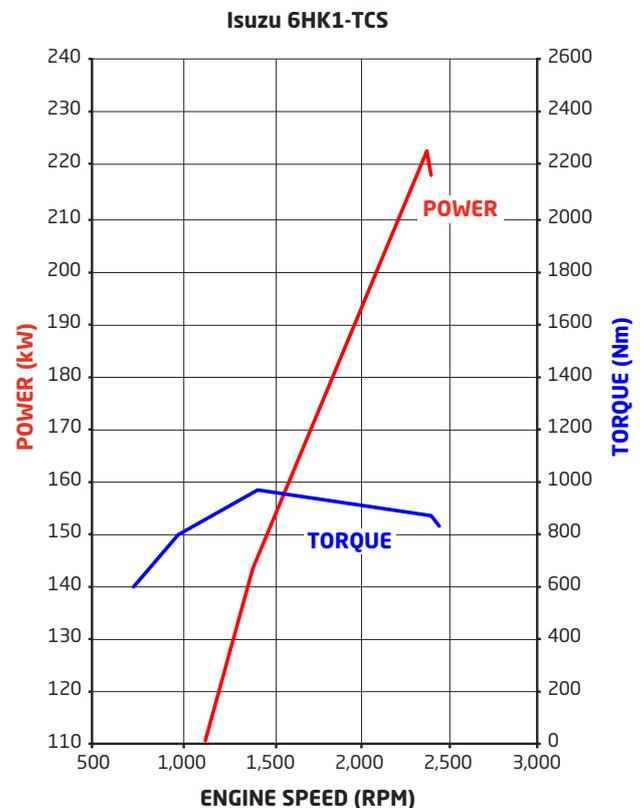
TRANSMISSION

9 speed manual transmission (MT)

* Refer to back page for detailed weight rating information

| ENGINE | |
|--------------------------|--|
| DESCRIPTION | Isuzu 6HK1-TCS |
| TYPE | 6 cylinder 24 valve SOHC |
| DISPLACEMENT | 7,790 cc |
| COMPRESSION RATIO | 17.5:1 |
| BORE X STROKE | 115 mm x 125 mm |
| POWER | 221kW (300PS) @ 2,400 RPM (DIN NET) |
| TORQUE | 981 Nm @ 1,450 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. |

| INTELLIGENT SAFETY | | |
|--|---|--------------|
| ACTIVE SAFETY | Electronic Stability Control | (ESC) |
| | Anti Lock Braking System | (ABS) |
| | Anti Skid Regulator | (ASR) |
| | Electronic Braking System | (EBS) |
| | Hill Start Aid - except AT models | (HSA) |
| | Cab Tilt Warning | (CTW) |
| PASSIVE SAFETY CABIN OCCUPANT SAFETY SYSTEMS (COSS) | Driver & front passenger airbags | |
| | Driver & front left hand passenger seatbelt pretensioners | |
| | ECE-R29 cab with side anti-intrusion beams | |



ISUZU WARRANTY COVER

WARRANTY 5 year / 350,000 km Warranty#

| TRANSMISSION | |
|--|---|
| CLUTCH | Type: Single plate with air assisted hydraulic control |
| | Clutch plate diameter: 381 mm |
| MT | Clutch lining area: 1,363 cm ² |
| | Description: ZF 9S 1110 TO |
| | Type: 9 speed with synchromesh on gears 1-8 |
| | Ratios: |
| | Crawler 1st 2nd 3rd 4th 5th 6th 7th 8th Rev 9.48 6.58 4.68 3.48 2.62 1.89 1.35 1.00 0.75 8.97 |
| Power Take Off facility: Provision at rear of transmission case | |
| Other features: Repeat 'H' shift pattern | |

| AXLES | |
|-------|---|
| FRONT | Description: Meritor FG941 |
| | Type: Reverse Elliot I-beam |
| | Capacity: 6,600 kg |
| REAR | Description: Drive axle: Meritor RS-23-161G Lazy axle: Meritor TR4670 |
| | Type: Single drive + lazy axle combination |
| | Capacity: 20,000 kg combined |
| | Ratio: MT: 6.143 |

| SUSPENSION | |
|------------|---|
| FRONT | Type: Single stage alloy steel taper-leaf springs |
| | Other features: Double acting hydraulic shock absorbers. Stabiliser bar. |
| REAR | Description: Hendrickson HAS400 |
| | Type: Airbag |
| | Capacity: 18,100 kg at ground |

| BRAKES | |
|-------------------------------|---|
| DESCRIPTION | Meritor 'Q-Plus' |
| TYPE | Full air 'S-Cam' front and rear drum brakes |
| DIAMETER X WIDTH FRONT | 419 x 127 mm |
| DIAMETER X WIDTH REAR | 419 x 178 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 | 22.4:1 |
| TURNS LOCK TO LOCK | 5.4 |
| WHEEL LOCK ANGLE | 45° (inside wheel) / 35° (outside wheel) |

| WHEELS & TYRES | |
|----------------|---|
| FRONT | Wheels: 22.5 x 8.25 ten stud ISO standard steel wheels |
| | Tyres: 295/80R22.5 152/148M Michelin X Multi Z 2 Tubeless |
| | Steer axle tyre rating: 7,100 kg |
| REAR | Wheels: 22.5 x 8.25 ten stud ISO standard steel wheels |
| | Tyres: Drive axle: 11R22.5 148/145L Michelin X Multi D Tubeless Lazy axle: 11R22.5 148/145L Michelin X Multi Z 2 Tubeless |
| | Drive + lazy axle tyre rating: 23,200 kg |

Spare: Spare wheel and X Multi Z tyre assembly supplied. Winch type carrier.

| CHASSIS FRAME | |
|-------------------|---|
| TYPE | Cold rivetted ladder frame with parallel side rails. |
| MATERIAL | SAPH440 steel sidemembers |
| DIMENSIONS | Side rail (mm): 258 x 85 x 10.0 Rear frame width (mm): 850 |

| FUEL TANK | |
|-----------------|-----------------------------------|
| TYPE | Frame mounted aluminium fuel tank |
| CAPACITY | 400L |
| 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 GENERAL FEATURES | |
|--------------------------|--|
| ENGINE ACCESS | Electro-hydraulic cab tilt |
| CAB MOUNTING | Rear coil spring suspension with hydraulic shock absorbers |
| STEPS | Heavy duty anti slip steps |
| DOORS | 90° opening internally reinforced front doors |
| MIRRORS | Heated & powered exterior main mirrors with flat glass and additional independantly adjustable convex "spot" mirrors |
| WIPERS | Two speed windscreen wipers with intermittent wipe mode |
| EXTERIOR LIGHTING | LED main beam and halogen high beam headlamp assembly with position lamp |
| | Roof mounted clearance lamps |
| | Front foglamps |
| AUDIBLE WARNING | Reverse alarm |
| GRILLE | Body coloured |
| 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 |
| 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 | Manual control |
| INTERIOR LIGHTING | Fluorescent lamp |
| REAR COMPARTMENT | ADR 42 compliant sleeper with mattress |

| AUDIO VISUAL UNIT | |
|----------------------------------|--|
| SCREEN TYPE | 6.2" LCD with capacitive touch |
| OPERATING SYSTEM | Android |
| RADIO | AM / FM |
| INTERNAL STORAGE CAPACITY | 32GB |
| OTHER CAPABILITY | Bluetooth features. USB 3.0 socket. Provision for external camera inputs, navigation, reverse sensors, and tyre pressure monitoring. |

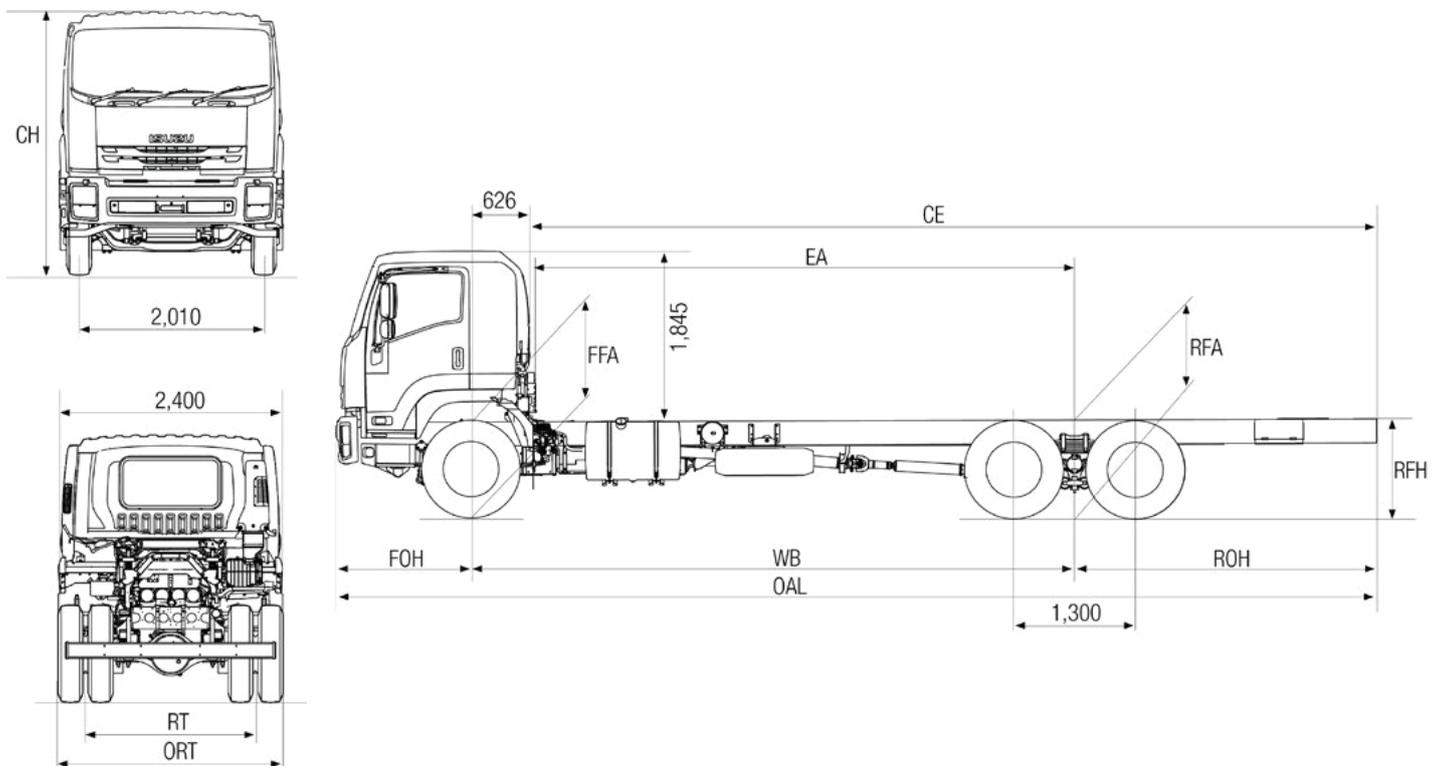
| DRIVER CONTROLS | |
|-------------------------------|---|
| SAFETY SYSTEMS | ESC on/off, HSA on/off/sensitivity adjust |
| ENGINE | Idle speed control |
| | Cruise control |
| | DPD manual regeneration switch |
| TRANSMISSION (AT ONLY) | Push button gear selection control |
| GENERAL CONTROLS | Headlamp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

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

| WEIGHTS (kg) | | | | | | | |
|---------------|-----------------|-----------------|----------------------------|--------|----------------------|-------|-------|
| MODELS | RATINGS* | | LOADING LIMIT* (at ground) | | CAB CHASSIS WEIGHT # | | |
| | GVM | GCM** | FRONT | REAR | FRONT | REAR | TOTAL |
| FVL 1400/1350 | 24,000 / 18,000 | 27,500 / 21,500 | 6,000 | 15,000 | 3,570 | 3,250 | 6,820 |

**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. # Cab chassis only as supplied and including 10 litres of fuel. **max towed mass 3,500 kg.

| DIMENSIONS (mm) | | | | | | | | | | | | | |
|-----------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|---------------|---------------|---------------|---------------------------------|
| MODELS | WB | OAL | FOH | ROH | EA | CE | RT | ORT | CH | FFA (unladen) | RFA (unladen) | RFH (unladen) | TURNING CIRCLE KERB TO KERB (m) |
| FVL | 6,470 | 11,150 | 1,440 | 3,240 | 5,770 | 9,085 | 1,840 | 2,445 | 2,850 | 1,000 | 1,015 | 1,015 | 22.6 |



| 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 90 km/h) |
| FVL 1400 | at 24,000 kg GVM | 101 km/h @ 2,400 rpm | 42% | 2,142 rpm |
| FVL 1350 | at 18,000 kg GVM | 101 km/h @ 2400 rpm | 57% | 2,142 rpm |

* Maximum speed achievable depends on vehicle frontal area as well as other factors. Consult your Isuzu dealer for more detailed information. Vehicle is speed limited to 100km/h.

| ORDER CODES | |
|-------------|--------|
| MODELS | CODES |
| FVL 1400 | FV0316 |
| FVL 1350 | FV1016 |

#Total 5 Year Warranty, including Base Warranty (36 months / 200,000kms) and Additional Warranty (24 months / 150,000kms), cover is 60 months or 350,000kms, whichever comes first. To qualify for Additional Warranty, all scheduled servicing during the Base and Additional Warranty periods (ie. the total 60 months) must be performed by an authorised Isuzu service dealer from the date of delivery to the first customer. If scheduled servicing is performed by unauthorized service providers, only the Base Warranty will apply. Tipper bodies are excluded from Additional Warranty. These are covered by Base Warranty only.

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