

# FSD650/700



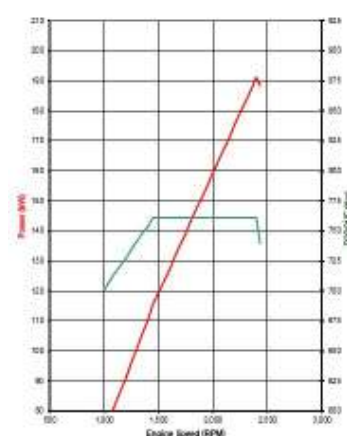
# 4x2

| MODEL           | FSD650 | FSD700 |
|-----------------|--------|--------|
| GVM (kg)        | 12,000 | 14,000 |
| GCM (kg)        | 20,000 | 20,000 |
| Max Power (Kw)  | 191    | 191    |
| Max Torque (Nm) | 760    | 760    |
| Wheelbase (mm)  | 5,560  | 5,560  |
| Suspension      | air    | air    |



Isuzu 6HK1-TCC

| ENGINE                  |   |                   |                      |
|-------------------------|---|-------------------|----------------------|
| Engine Model            | ISUZU 6HK1-TCC  | Type              | 6 cyl 24 valve, SOHC |
| Displacement            | 7,790cc   | Compression Ratio | 17.5:1               |
| Max Power (DIN Nett)    | 191 kW (260 HP) @2,400 RPM  |                   |                      |
| Max Torque (DIN Nett)   | 760 Nm (560 lb.ft) @1,450 - 2400 RPM  |                   |                      |
| Emission Control System | Euro V, Cooled EGR with exhaust Diesel Particulate Diffuser (DPD)   |                   |                      |
| Fuel System             | Electronically controlled direct injection, high pressure common rail<br>200 litre fuel tank with lockable fuel cap |                   |                      |
| Air Intake System       | Electronically controlled variable nozzle turbo charger with air-to-air intercooler                                 |                   |                      |



| CLUTCH    |   | PERFORMANCE   |                                 |
|-----------|---|---|---------------------------------|
| Standard: | Air assisted hydraulic control. Single plate 381 mm diameter. | Eng rpm (6th gear ,90km/h):2135 (man)                             | Speed Limit: limited to 100Km/h |
|           | Total lining area: 1,363 cm                                   | Low Speed Gradeability @ GVM (lowest forward gear, no wheel slip) | man 38% & auto 33%              |

| TRANSMISSION                |   |
|-----------------------------|---|
| Manual:                     | ISUZU MZW-6P  |
| standard                    | 6 speed manual. Synchromesh on gears 2-6.   |
| Ratios (:1)                 | 1st: 3.51, 2nd: 1.90, 3rd: 1.44, 4th: 1.00, 5th: 0.74, 6th: 0.64, Rev 5.09  |
| Auto (optional) Ratios (:1) | Allison LCT2500 6 speed automatic. 5th generation,<br>1st: 3.51, 2nd: 1.90, 3rd: 1.44, 4th: 1.00, 5th: 0.74, 6th: 0.64, Rev 5.09      |
| PTO                         | Manual - LHS of transmission case. PTO drive from mainshaft.<br>Auto - LHS & RHS openings on case. Torque convertor driven drive gear |

| AXLES |   |
|-------|---|
| Front | Isuzu F050, 5,000Kgs capacity                                 |
| Rear  | Isuzu R090/ Full floating banjo type housing 9,000Kg capacity |
| Ratio | 4.555:1, auto 5.125:1   |

| WHEELS AND TYRES  |  |
|---|--|
| <ul style="list-style-type: none"> <li>19.5x6.75x147mm 8-stud steel wheel rims</li> <li>Steer axle 265/70 R19.5 140/138M tubeless tyres</li> <li>Drive axle 265/70 R19.5 140/138M tubeless tyres</li> <li>Silver painted wheel rims, frame mounted spare wheel</li> </ul> |  |

| CHASSIS   |   |   |   |
|---|---|---|---|
| Suspension  | Chassis   | Brakes  | Electrical & Steering   |
| <p>Front Suspension</p> <ul style="list-style-type: none"> <li>Single stage alloy steel taper leaf spring Stabiliser bar</li> </ul> <p>Rear Suspension</p> <ul style="list-style-type: none"> <li>Hendrickson HAS200 airbag. 9,000 kg capacity at ground.</li> <li>Outboard mounted double acting shock absorbers.</li> </ul> | <ul style="list-style-type: none"> <li>Cold riveted ladder frame</li> <li>Rail dimensions (mm) 225 x 70 x 6</li> <li>HT540 weldable steel main rails</li> <li>Parallel side rails 840mm wide</li> </ul> | <ul style="list-style-type: none"> <li>ABS controlled - Dual circuit air over-hydraulic front and rear.</li> <li>Traction Control (except auto).</li> <li>Hill Start Aid (HSA) (except auto)</li> <li>Front drum 370mm x 150mm</li> <li>Rear drum 370mm x 150mm</li> <li>Spring park brake on rear wheels</li> <li>Air dryer</li> <li>Air controlled exhaust brake</li> </ul> | <p>Electrical</p> <ul style="list-style-type: none"> <li>24 volt negative earth system</li> <li>60 amp alternator</li> <li>Batteries - 2 x 115E41L 80Ah, 665CCA @ 18°C</li> </ul> <p>Steering</p> <ul style="list-style-type: none"> <li>Power assisted recirculating ball</li> <li>Gear Ratio 16:1 – 18:1</li> <li>Turns lock-to-lock 4.1</li> </ul> |

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## CAB AND INTERIOR

| Cab Exterior   | Cab Interior  | Instruments and Controls   |
|--|---|--|
| <ul style="list-style-type: none"> <li>All steel construction. High tensile steel used for cab under-frame. Manual cab tilt to 45° with torsion bar assistance.</li> <li>Complies with ECE-R29 cab strength standard.</li> <li>Liquid filled front and rear cab mounts.</li> <li>Heavy duty non slip entry steps.</li> <li>90° opening internally reinforced front doors.</li> <li>Water spray suppression guards and front mud-flaps.</li> <li>Two speed windscreen wipers with intermittent wipe mode.</li> <li>Halogen multi-reflector headlamps incorporating turn signals. Additional door mounted integrated side indicator/cornering lamps.</li> <li>Combination brake, turn, reverse and marker lamps, registration plate illumination lamps. Extended wiring harness. Reverse alarm.</li> <li>Roof-mounted clearance lamps.</li> <li>Heated and powered exterior main mirrors with flat glass and additional powered convex "spot" mirrors.</li> <li>Body coloured steel air dam bumper with front fog-lamps</li> </ul> | <ul style="list-style-type: none"> <li>ISRII 6860 air suspension driver's seat with pneumatic lumbar support, height, rake &amp; automatic weight adjustment.</li> <li>Front passenger adj bucket seat &amp; front centre seat with folding seat back.</li> <li>3-point seat-belts in outboard seating positions. Driver seatbelt with pre-tensioner. Outboard front passenger seatbelt fitted with pre-tensioner. Centre seat lap belts.</li> <li>Driver &amp; outboard front passenger airbag.</li> <li>Door and roof pillar entry assist grips.</li> <li>Full interior trim. Padded roof lining and vinyl floor covering. Driver and passenger windscreen header storage shelf.</li> <li>Tilt/Telescopic adj steering column, soft feel urethane steering wheel with audio controls. Electric windows.</li> <li>Central locking with remote key-less entry and immobiliser.</li> <li>Twin cup holders. 24V Cigarette lighter. Dashboard hook.</li> <li>Front door mounted storage pockets and driver's side ashtray.</li> <li>Centre console box &amp; storage tray. Fold down tray behind centre seat.</li> <li>Integrated air conditioning, heater/demister with Fluorescent interior lamp.</li> <li>Multimedia unit with 6.2" LCD touch screen. Android OS. DAB+ digital radio, integrated Bluetooth with voice recognition. Inbuilt media viewer. Internet radio via smartphone. 32GB file storage. USB &amp; auxiliary inputs.</li> <li>OPTIONS: (full details from your Isuzu dealer): Telematics system. Supports up to five camera inputs. One digital camera, Reversing sensors, tyre pressure monitoring, Wireless phone charger for Qi enabled phones.</li> </ul> | <p>DRIVER CONTROLS</p> <ul style="list-style-type: none"> <li>Key-operated engine start/stop and steering lock.</li> <li>HSA slow/fast engagement control and on/off switch - except auto model.</li> <li>ASR on/off (except auto model).</li> <li>DPD regeneration</li> <li>T-bar gear selection control (auto model).</li> <li>Left side combination stalk: Windscreen wipers, washers &amp; exhaust brake.</li> <li>Right side combination stalk: Turn signals, headlamps &amp; cruise control, (auto only)</li> </ul> <p>INSTRUMENTATION</p> <ul style="list-style-type: none"> <li>Electronic speedometer and tachometer. Digital odometer with integrated dual trip meter. Engine coolant temperature, fuel level &amp; air pressure gauges.</li> <li>Warning lamps: Check engine, oil pressure, low coolant level, ABS, SRS airbag, alternator charge, service brakes, park brake, seat belt unfastened, low air pressure, low fuel level, cab lock.</li> <li>Indicator lamps: HSA (except auto model), warm up system, high beam, ASR (except auto model), exhaust brake, turn signals, cruise control, (auto only).</li> <li>Multi information display. Shows service intervals, vehicle systems status, instantaneous and average fuel consumption, DPD bar chart, hour-meter, voltmeter, time/day/date and includes 40-120km/h adjustable vehicle speed warning.</li> </ul> |

## WEIGHTS (KG)

| Model Codes | Models      | Ratings* |        | Loading Limits (at ground)* |      | Chassis Cab Tare Mass** |       |       |
|-------------|-------------|----------|--------|-----------------------------|------|-------------------------|-------|-------|
|             |             | GVM      | GCM    | Front                       | Rear | Front                   | Rear  | Total |
| FS0316      | FSD700      | 14,000   | 20,000 | 5000                        | 8200 | 2,550                   | 1,480 | 4,030 |
| FS2216      | FSD700 auto | 14,000   | 20,000 | 5000                        | 8200 | 2,560                   | 1,475 | 4,035 |
| FS1316      | FSD650      | 12,000   | 20,000 | 5000                        | 8200 | 2,550                   | 1,480 | 4,030 |
| FS2516      | FSD650 auto | 12,000   | 20,000 | 5000                        | 8200 | 2,560                   | 1,475 | 4,035 |

\* Vehicle ratings and front and rear mass limits are subject to regulatory requirements – Consult your dealer to select a specific vehicle to suit your requirements

\*\* Chassis cab as supplied from the factory including 10 litres of fuel

## DIMENSIONS (mm)

\*Unladen condition

Turn Circle (m)

| Models   | WB   | OAL  | cab height* | FOH  | ROH  | EA   | CE   | outer rear track | cab width | RFA* | Kerb to Kerb |
|----------|------|------|-------------|------|------|------|------|------------------|-----------|------|--------------|
| FSD      | 5560 | 9155 | 2665        | 1170 | 2425 | 4575 | 7090 | 2215             | 2200      | 855  | 19.9         |
| FSD auto | 5560 | 9155 | 2665        | 1170 | 2425 | 4575 | 7090 | 2215             | 2200      | 855  | 19.9         |

## WARRANTY

Full vehicle warranty: 36 months or 150,000 kilometres whichever occurs first. All warranty is subject to terms and conditions as detailed in the Owner's Manual Service and Warranty Supplement

A policy of continuous improvement means that these specifications are subject to change without notice. Contact your Isuzu dealer or visit our website at [isuzu.co.nz](http://isuzu.co.nz) to confirm specifications. Images of vehicles are representative only and may differ slightly from the actual vehicle.

