**KEY FEATURES**

- Factory 3.6m & 4.0m Length Tipper Body
- Cruise Control
- Anti-lock Brake System (ABS)
- Anti Slip Regulator (ASR) Traction Control (TC)
- Easy Start (ES) – Take-off Assist
- Brake Lock System
- Front Axle Stabiliser
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- Front Underrun Protection (FUP) (ADR 84/00 Complied)
- ISRI 6860/870 Driver seat with integrated Safety Belt
- ECE R-29 Cab Strength Certified

**KEY SPECIFICATIONS**

- **GVM**: 10,400kg
- **Optional derate to**: 8,000kg
- **GCM**: 16,000kg
- **Power**: 162kW
- **Torque**: 647Nm
- **Transmission**: Six-speed synchromesh
- **Wheelbase**: 3,420mm (Compact – 3.6)
- **Wheelbase**: 3,850mm (Short – 3.6 & 4.0)

*Illustration may contain item not standard to the model*
FC 1022 Tipper

Engine & Driveline specifications

**ENGINE**
- **Model**: Hino J07E-TR
- **Max. output (ISO NET)**: 162kW (220 HP) at 2400 RPM
- **Max. output (JIS GROSS)**: 165kW (225 HP) at 2400 RPM
- **Max. torque (ISO NET)**: 647Nm (51kgf/m) at 1500 RPM
- **Max. torque (JIS GROSS)**: 667Nm (52kgf/m) at 1500 RPM
- **Max. engine speed**: 2400 RPM
- **Engine compliance**: ADR 80/03
- **Piston displacement**: 6403L
- **Compression ratio**: 17.1:1
- **Engine oil capacity**: 11.7L
- **Fuel injection pump**: Electronic control common-rail type
- **Coolant capacity**: 25L
- **Intake system**: Stake-type air intake
- **Air compressor type**: Single cylinder, water-cooled
- **Bore & stroke**: 70 x 40mm
- **Control**:
  - Cables with power shift
  - Hydraulic with air booster

**CLUTCH**
- **Model**: CS-350 series
- **Type**: Dry single plate with damper springs
- **Facing material**: Moulded (non-asbestos)
- **Facing outside diameter**: 350mm
- **Control**:
  - Direct injection with EGR
  - Hydraulic with air booster

**TRANSMISSION & GEAR RATIOS**
- **Model**: LX06S Overdrive
- **Type**:
  - Six forward and one reverse speeds, synchromesh on 2nd to 6th
- **Control**:
  - Cable with power shift
- **Rear axle gear ratio**:
  - 1st: 6.098
  - 2nd: 3.858
  - 3rd: 2.340
  - 4th: 1.422

**PERFORMANCE**
- **Calculations based on 10.4 ton GVM, 9.5R17.5 tyre**
- **Engine RPM @ 100km/h**: 2,150
- **Max theoretical speed (km/h)**: 112
- **Gradeability tan θ (%) @ GVM**: 39.9
- **Rear axle ratio**: 4.33:1

**BRAKES**
- **Type**: Hydraulic system with two leading shoes for front and rear acting on all wheels
- **Control**:
  - Air over hydraulic, dual circuits
- **Drum diameter x lining width**:
  - Front: 320 x 110mm
  - Rear: 320 x 145mm
- **Air dryer**: Equipped
- **Antilock Brake System (ABS)**: Equipped
- **Brake lock system**: Equipped
- **Parking brake**:
  - Mechanical, internal, expanding acting on transmission output shaft
- **Exhaust brake**:
  - Electric-pneumatic with valve in exhaust pipe
- **Easy Start (ES)**: Equipped

**AXLE, SUSPENSION & LOAD LIMITS**
- **Front Axle Model & Type**: LF 366, Reverse Elliot I-Beam
- **Suspension**:
  - Tapered leaf springs with shock absorbers & stabiliser
- **Spring Dimensions**: 1,300 x 70mm
- **Spring Rate**: 23 kgf/mm
- **Axle Limit (including suspension)**: 3,600 kg
- **Tyre Limit**: 3,700 kg
- **Rear Axle Model & Type**: SH 13, fully floating single reduction, single speed by Hypoid gears
- **Suspension**:
  - Steel Suspension
  - Semi-elliptic main & auxiliary leaf springs
- **Spring Dimensions**:
  - Main: 1,300 x 70mm
  - Auxiliary: 900 x 70mm
- **Spring Rates**:
  - 25 kgf/mm
  - 73.9 kgf/mm
- **Axle Limit (including suspension)**: 7,000 kg
- **Tyre Limit**: 7,000 kg

**WHEELS & TYRES**
- **Wheel type**: Six-stud disc wheel (JIS type) PCD 222.25
- **Rim size**: 6.75 x 17.5 – offset 135mm
- **Tyre size**: 9.5R17.5-129/127
- **Number of tyres**: Seven (including one spare tyre)
- **Spare tyre carrier**: Equipped

**FUEL TANK**
- **Capacity**: 200L
- **Type**: All steel rectangle
- **Fuel pre-filter & sediment**:
  - Equipped
- **Fuel tank cap key**:
  - Equipped
**FC 1022 Tipper**

**Cab, Instrumentation & Chassis**

### CAB DETAILS

**Type**
- Forward control, all-steel construction with torsion bar tilt mechanism

**Drivers SRS Airbag**
- Equipped

**Seating capacity**
- Three

**Driver’s seat**
- ISRI 6860/870 with urethane foam pads, electric horn

**Side passenger’s seat**
- Urethane foam pads, high-back and reclining, seat with fabric cover and under-tray

**Centre passenger’s seat**
- Urethane foam pads & foldaway type with seat-back tray and fabric cover

**Seat belt**
- Three-point type on driver’s & side passenger’s seat, 2-point type on centre passenger’s seat

**Sun visor & overhead console**
- Equipped for driver & passenger sides

**Windshield wipers**
- Electric, dual, intermittent and 2-speed

**Ventilator**
- Forced type by electric blower

**Rear view mirrors**
- External: Electric & heated, two flat type, two convex spotter & kerb view

**Cigarette lighter (24V)**
- Equipped

**Electrical convertor**
- 12V (harness type)

**Floor mat**
- Vinyl type

**Front air spoiler**
- Not fitted

**Central locking & keyless entry**
- Equipped with immobiliser

**Heater & defroster**
- Standard

**Air conditioner**
- Standard

**Trim**
- Full trim type (side, roof and back)

**Cab pockets**
- Equipped on both door sides

**Power windows**
- Equipped

**Audio**
- DAB+ AM/FM radio with CD & DVD player and Bluetooth

**Speakers**
- Driver & passenger sides

**Foot rest**
- Equipped

**Easy Start**
- Equipped

**Cup holder**
- Equipped

**Cruise Control**
- Equipped

### ELECTRICAL

**Type**
- 24V, negative earth

**Batteries**
- 2 x12V, series connection. Capacity 65Ah at 20-hour rate

**Alternator type**
- Brushless with built-in rectifier and voltage regulator. Capacity 24V, 60A

**Starter type**
- 24V, 4.5kW

**Headlamps**
- Halogen type including fog lamps

**High/low beam**
- Equipped

**Fluorescent reading lamp**
- Equipped

**Electric horn**
- Equipped

### INSTRUMENTS

1. **Meters & gauges**
   - Speedometer
   - Odometer with trip meter
   - Tachometer
   - Fuel gauge
   - Coolant temperature gauge
   - Exhaust brake indicator lamp
   - Parking brake indicator lamp
   - Brake fluid level warning lamp & buzzer
   - Engine over-run warning buzzer
   - Coolant level warning lamp & buzzer

2. **Switches**
   - One-key starting-stopping
   - Lighting
   - Directional indicator, dimmer & passing
   - Wiper and washer
   - Hazard lamp
   - Exhaust brake
   - Map lamp
   - Fog lamp
   - Easy Start
   - Cruise control
   - DPR regeneration
   - ASR off
   - Mirror controls

3. **Warning, pilot lamps & buzzers**
   - Oil pressure warning lamp & buzzer
   - Air pressure warning lamp & buzzer
   - Engine control system warning lamp & buzzer
   - Brake fluid level warning lamp & buzzer
   - ABS & ASR warning lamp

4. **Others**
   - Idle up control knob
   - Horn button
   - 12V electric source
   - PTO Engagement switch
   - Tipper control Raise/Hold & Lower lever

5. **Multi information display**
   - Fuel consumption
   - Service reminders
   - Warnings
   - Faults

### STEERING

**Type**
- Telescopic & tilt steering column with locking device. Recirculating ball with Integral Power Steering

**Gear ratio**
- 18.6:1

**Steering angle**
- Inside: 50-53°
  - Outside: 39°

### CHASSIS FRAME/TIPPER PLATING

<table>
<thead>
<tr>
<th>Variant</th>
<th>Compact</th>
<th>Short</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Ladder-shaped channel-section side rails</td>
<td></td>
</tr>
<tr>
<td><strong>Rear chassis width</strong></td>
<td>820mm</td>
<td></td>
</tr>
<tr>
<td><strong>Max. section in mm (depth x flange x thickness)</strong></td>
<td>229.4 x 78 x 5.7mm</td>
<td>228.6 x 73 x 5.2</td>
</tr>
<tr>
<td><strong>Tensile strength</strong></td>
<td>540N/mm²</td>
<td></td>
</tr>
<tr>
<td><strong>Front Underrun Protection</strong></td>
<td>Equipped</td>
<td></td>
</tr>
<tr>
<td><strong>Tow Hook (front and rear)</strong></td>
<td>Equipped</td>
<td></td>
</tr>
<tr>
<td><strong>Steel plate deck thickness</strong></td>
<td>6.0mm</td>
<td></td>
</tr>
<tr>
<td><strong>Side, front &amp; tailgate thickness</strong></td>
<td>3.2mm</td>
<td></td>
</tr>
</tbody>
</table>
**FC 1022 Tipper**

**Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>500 Series</th>
<th>Compact 3.6</th>
<th>Short 3.6</th>
<th>Short 4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production code</td>
<td>FC7JGMA-ANU D</td>
<td>FC7JGMA-ANU D</td>
<td>FC7JGMA-ANU D</td>
<td>FC7JGMA-ANU D</td>
</tr>
<tr>
<td>Wheelbase (WB)</td>
<td>3,420</td>
<td>3,850</td>
<td>3,850</td>
<td></td>
</tr>
<tr>
<td>Overall length (OL)</td>
<td>5,900</td>
<td>6,330</td>
<td>6,660</td>
<td></td>
</tr>
<tr>
<td>Overall width (OW)</td>
<td>2,190</td>
<td>2,190</td>
<td>2,250</td>
<td></td>
</tr>
<tr>
<td>Overall height (OH)</td>
<td>2,450</td>
<td>2,450</td>
<td>2,450</td>
<td></td>
</tr>
<tr>
<td>Inside body length (BL)</td>
<td>3,600</td>
<td>3,600</td>
<td>4,000</td>
<td></td>
</tr>
<tr>
<td>Inside body width (BW)</td>
<td>2,000</td>
<td>2,000</td>
<td>2,060</td>
<td></td>
</tr>
<tr>
<td>Body gap (BG)</td>
<td>400</td>
<td>830</td>
<td>715</td>
<td></td>
</tr>
<tr>
<td>Road clearance (at diff. case) (RC)</td>
<td>220</td>
<td>220</td>
<td>220</td>
<td></td>
</tr>
<tr>
<td>Deck height</td>
<td>1,100</td>
<td>1,100</td>
<td>1,100</td>
<td></td>
</tr>
<tr>
<td>Front track (FT)</td>
<td>1,770</td>
<td>1,770</td>
<td>1,770</td>
<td></td>
</tr>
<tr>
<td>Rear track (RT)</td>
<td>1,660</td>
<td>1,660</td>
<td>1,660</td>
<td></td>
</tr>
<tr>
<td>Turning circle kerb to kerb</td>
<td>11,200</td>
<td>12,400</td>
<td>12,400</td>
<td></td>
</tr>
<tr>
<td>Turning circle wall to wall</td>
<td>12,600</td>
<td>13,800</td>
<td>13,800</td>
<td></td>
</tr>
<tr>
<td>Tipper volume</td>
<td>3.6m³</td>
<td>3.6m³</td>
<td>3.5m³</td>
<td></td>
</tr>
<tr>
<td>Tipping angle</td>
<td>55°</td>
<td>55°</td>
<td>50°</td>
<td></td>
</tr>
<tr>
<td>Internal measurements</td>
<td>3,600 x 2,000 x 510</td>
<td>3,600 x 2,000 x 510</td>
<td>4,000 x 2,060 x 430</td>
<td></td>
</tr>
<tr>
<td>Two way gate hinging top &amp; bottom</td>
<td>Equipped</td>
<td>Equipped</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Two way gate hinging from top &amp; both sides</td>
<td>N/A</td>
<td>N/A</td>
<td>Equipped</td>
<td></td>
</tr>
<tr>
<td>Body Lock</td>
<td>N/A</td>
<td>N/A</td>
<td>Fitted</td>
<td></td>
</tr>
<tr>
<td>Chassis mass – kg (standard tools, 10 litres of fuel, spare tyre and subject to a ± 3% tolerance)</td>
<td>Total: 4,505</td>
<td>4,650</td>
<td>4,725</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Front: 2,430</td>
<td>2,298</td>
<td>2,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rear: 2,159</td>
<td>2,352</td>
<td>2,329</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GVM: 10,400</td>
<td>10,400</td>
<td>10,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GCM: 16,000</td>
<td>16,000</td>
<td>16,000</td>
<td></td>
</tr>
</tbody>
</table>

*GVM can be derated to 8,000

**GENUINE ACCESSORY OPTIONS**

- Bull bar
- Sunvisor
- Chrome wheel covers
- Timber dash panel
- Sat Nav
- Tarp
- Rear vision camera (up to 3)
- Engine driven PTO 1:0.72 step-down or 1:1.08 step-up

Please check with your dealer for price, availability & fitment for these options

**WARRANTY**

**New vehicle warranty period**

<table>
<thead>
<tr>
<th>Light Duty Model</th>
<th>Axle configuration</th>
<th>Standard warranty (unless trial comes first)</th>
<th>Cab corrosion perforation</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 FC 1022 Tipper</td>
<td>4 x 2</td>
<td>3 years or 150,000km</td>
<td>36 months</td>
</tr>
</tbody>
</table>

Battery warranty – 12 months from date of delivery

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *

* For conditions, refer to the Hino Parts & Service warranty brochure

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