KEY SPECIFICATIONS

- **Power**: 331kW (450 PS) @ 1800RPM
- **Torque**: 2157Nm @ 1100RPM
- **Transmission**: RTLO 16918B
- **Rear Drive Axle**: Dana option
- **GVM**: 29,000kg
- **GCM**: 55,000kg Hino, 50,000 Dana
- **Wheelbase**: 6005mm (Six Rod/Air)
## Engine, Driveline & Chassis specifications

### ENGINE

**Model** Hino E13CVC  
**Max output (ISO NET)** 331kW (450 PS) at 1800rpm  
**Max torque (ISO NET)** 2157Nm at 1100rpm  
**Max engine speed** 2100rpm  
**Engine compliance** US04 Compliant  
**Type** Diesel, turbo charged inter-cooled, 6 cylinder in-line, overhead camshaft  
**Combustion system** Direct injection type  
**Bore & stroke** 137 x 146mm  
**Piston displacement** 12 913L  
**Compression ratio** 17  
**Engine oil capacity** 37 0L  
**Engine coolant capacity** 27 4L  
**Fuel injection pump**  
- **Type** Electronic control common rail  
- **Governor** Electric governor  
**Intake system**  
- **Air cleaner** Dual paper elements  
- **Intake air heater** Electric heating type  
**Air compressor**  
- **Type** Single cylinder, water cooled  
- **Bore & stroke** 95 x 70mm  

### TRANSMISSION

**Model** RTLO 16918B  
**Type** Eaton 18 forward & 4 reverse speeds, double overdrive, constantmesh 1st-18th  
**Control** Mechanical  
**AXLE SPECIFICATIONS**  
- **Axle load limit** Front axle 7500kg  
- **Front axle type** MF781 series, reversed Elliot, section I beam  
- **Rear axle type Hino** THD18 tandem axle, dual drive with inter axle differential lock, full floating single reduction, single speed by hypoid  
- **Rear axle type Dana** Tandem axle, dual drive with inter axle differential, full floating, reduction, single speed by hypoid gearing, with cross locks  
**Final drive ratio**  
- **Hino** 4.555:1  
- **Dana** 4.11:1  
- **Dana (Optional)** 4.33:1  
**Max theoretical speed (km/h)** 115  
**Vehicle electronically speed limited** Optional  
**Gradeability tan (°) GVM** 60%  

### CLUTCH

**Model** Spicer CR-380  
**Type** Dry twin plate with damper springs  
**Control** Hydraulic with air booster  
**Facing material** Ceramic  
**Facing diameter** 387mm  

### FUEL TANK

**Type** Round aluminium  
**Volume** 400L  

### BRAKES

**Type** Full air, dual circuit, “S” cam type, leading & trailing shoes for front & rear  
**Size**  
- **Front** 406.4 x 152mm  
- **Rear** 406.4 x 216mm  
**Air drier** Equipped  
**ABS** Equipped  
**Trailer brake control** Hand control on dash  
**Park brake** Spring brake acting on 2nd and 3rd axles  
**Engine retarder** Engine compression brake equipped  

### SUSPENSION

**Front suspension** Semi-elliptic tapered leaf springs with shock absorbers & stabiliser  
**Size** 1500 x 90mm  
**Rear suspension**  
- **Type Six Rod** Semi-elliptic leaf springs with torque rods  
- **Size** 1310 x 90mm  
**Rear suspension Type Air** Hendrickson HAS 460 airbag suspension with double-acting shock absorbers  
**Capacity** 21,800kg  

### WHEEL & TYRES

**Wheel type** 10 stud disc wheels (ISO 335 PCD)  
**Rim size** 22.5 x 8.25- offset 165mm  
**Tyre size**  
- **Six Rod** 11R22.5-148/145  
- **Air** 275/70R22.5-148/145  
**Number of tyres** 12  
**Tools included** Wheelbrace and jack
Cab equipment & Instrumentation

**ELECTRICAL**
- **Type**: 24 volts, negative earth
- **Batteries**: 12V x 2 series connection
- **Capacity**: 150Ah at 20 hour rate
- **Alternator**: Brushless type 24V, 90A with built-in rectifier & voltage regulator
- **Starter**: Pinion shift, capacity 24V, 6.0kW
- **Lamps**: Headlamps, fog lamps, cornering, side marker, licence plate, stop/tail, back up, indicators & hazard, end outline marker, room lamp (fluorescent lamp), map lamp

**CAB DETAILS**
- **Type**: Forward control, all steel welded construction, full floating air-suspension cab with electrical tilting mechanism
- **Seating capacity**: 2 optional 3
- **Driver’s seat**: Urethane foam pads, high-back, arm rest, lumbar support, 4 way adjustable seat with fabric cover & air suspension seat
- **Passenger seat**: Urethane foam pads, high back & reclining seat with fabric cover
- **Centre console**: Equipped
- **Seat belts**: 3-point type on driver’s & side passenger seats
- **Rear view mirrors**: 2 external, flat type mirrors with heaters
- **Windshield wipers**: Electric, triple-arm, with intermittent & 2 speed control
- **Sun visor & overhead console**: Equipped
- **Cigarette lighter (24 volt)**: Equipped
- **Ventilator**: Forced type with electric blower
- **Heater & defroster**: Equipped
- **Air conditioner**: Equipped
- **Sleeper berth**: Single
- **Audio**: AM/FM radio/cassette tape/CD player
- **Floor mat**: Vinyl mat
- **Front air spoiler**: Equipped (Air), Optional (Six Rod)
- **Cab step**: Equipped
- **Trim**: Full trim type / side roof back
- **Electric power windows**: Both sides
- **Electric door lock**: Remote control key
- **Cab pockets**: Both door sides & passenger seat
- **Speed limiter**: Equipped
- **Electrical converter**: 12V (harness type)
- **Cruise Control**: Equipped

**STEERING**
- **Steering column**: Telescopic & lift with locking device
- **Steering box**: Recirculating ball with Integral Power Steering
- **Gear ratio**: 24.1 - 23.8:1

**CHASSIS FRAME**
- **Type**: Ladder-shaped channel section side rails
- **Rear chassis width**: 850mm
- **Size**: 300 x 88 x 80mm
- **Tensile strength**: 540N/mm² (55kgf/mm²)
- **Hook**: Equipped for front

**INSTRUMENTS**
1. **Meters and gauges**
   - Speedometer with trip meter
   - Odometer
   - Fuel gauge
   - Tachometer
   - Coolant temperature gauge
   - Air pressure gauge x 2
2. **Switches**
   - Lights: Indicators, dimmer & passing
   - Wiper & washer
   - Hazard lamp
   - Fog lamp
   - Room lamp
   - Warning lamp check
   - Map lamp
   - Differential lock
   - Rear rear differential cross lock
   - Mirror heating
   - Economy running
   - Cruise control
3. **Warning, pilot lamps and buzzers**
   - Engine oil pressure warning lamp & buzzer
   - Air pressure warning lamp & buzzer
   - Beam indicator lamp
   - Turn signal indicator lamp
   - Parking brake indicator lamp
   - Coolant level warning lamp & buzzer
   - Differential lock indicator lamp
   - Engine over-run warning buzzer
   - Fuel level warning lamp
   - Battery charging indicator lamp
   - Fuel filter water level warning lamp
   - Transmission splitter range
   - Speed limiter warning indicator lamp
   - ABS warning lamp
   - Trailer brake indicator lamp
4. **Others**
   - One key starting-stopping
   - Horn button
   - Idle up control knob
## FY 2945

### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>FY1EUKA</th>
<th>FY1EUKG</th>
<th>FY1EUKG-WWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td>6005</td>
<td>6005</td>
<td>6005</td>
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<tr>
<td>Overall length (OL)</td>
<td>9990</td>
<td>9990</td>
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<tr>
<td>Overall width (OW)</td>
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<tr>
<td>Overall height (OH)</td>
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<tr>
<td>Back of Cab to End of Chassis (CEC)</td>
<td>7870</td>
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<tr>
<td>Front overhang (FOH)</td>
<td>1370</td>
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<td>Rear overhang (at frame end) (ROH)</td>
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<tr>
<td>Front chassis height</td>
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<tr>
<td>Rear chassis height</td>
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<tr>
<td>Road clearance (at diff. case)</td>
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<tr>
<td>Front tread</td>
<td>2050</td>
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<tr>
<td>Rear tread</td>
<td>1840</td>
<td>1840</td>
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</tr>
<tr>
<td>Turning circle - mm (kerb to kerb)</td>
<td>20,600</td>
<td>20,600</td>
<td>20,600</td>
</tr>
<tr>
<td>Turning circle -mm (wall to wall)</td>
<td>22,200</td>
<td>22,200</td>
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<tr>
<td>Chassis mass – kg (with 50 litres of fuel, all seats occupied, standard tools but without spare tyre)</td>
<td>9390</td>
<td>9155</td>
<td>8835</td>
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<tr>
<td>Total</td>
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<tr>
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<td>GCM</td>
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### WARRANTY

New vehicle warranty period - Refer to Hino Truck Warranty for detailed information.

**Medium Duty Model**

<table>
<thead>
<tr>
<th>Warranty Type</th>
<th>FY 2945</th>
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</thead>
<tbody>
<tr>
<td>Engine Component warranty</td>
<td>*24 months or 250,000km</td>
</tr>
<tr>
<td>Standard warranty</td>
<td>*36 months or 250,000km</td>
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</tbody>
</table>

* Whichever occurs first

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