# HINO 338 SERIES

## TRUCK CHASSIS SPECIFICATIONS

All 2015 models require ultra-low sulfur diesel fuel

### DIMENSIONS (On standard specifications)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Wheelbase A (mm/in.)</td>
<td>4,750 (187.0)</td>
<td>5,207 (205.0)</td>
<td>5,512 (217.0)</td>
<td>5,969 (235.0)</td>
<td>6,426 (253.0)</td>
<td>6,883 (271.0)</td>
</tr>
<tr>
<td>Overall length B (mm/in.)</td>
<td>7,686 (302.6)</td>
<td>8,143 (320.6)</td>
<td>9,007 (354.6)</td>
<td>9,464 (372.6)</td>
<td>9,921 (390.6)</td>
<td>9,921 (390.6)</td>
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<tr>
<td>Overall width C (mm/in.)</td>
<td>2,485 (97.8)</td>
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<tr>
<td>Overall height D (mm/in.)</td>
<td>2,720 (107.1)</td>
<td>2,720 (107.1)</td>
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<tr>
<td>Cab to axle E (mm/in.)</td>
<td>3,038 (119.6)</td>
<td>3,495 (137.6)</td>
<td>3,800 (149.6)</td>
<td>4,257 (167.6)</td>
<td>4,714 (185.6)</td>
<td>5,171 (203.6)</td>
</tr>
<tr>
<td>Rear overhang F (mm/in.)</td>
<td>1,905 (75.0)</td>
<td>1,905 (75.0)</td>
<td>2,464 (97.0)</td>
<td>2,464 (97.0)</td>
<td>2,464 (97.0)</td>
<td>2,707 (79.0)</td>
</tr>
<tr>
<td>Frame height at (at front axle) G (mm/in.)</td>
<td>940 (37.0)</td>
<td>940 (37.0)</td>
<td>940 (37.0)</td>
<td>940 (37.0)</td>
<td>940 (37.0)</td>
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</tr>
<tr>
<td>Tread</td>
<td>1,030 (40.6)</td>
<td>1,030 (40.6)</td>
<td>1,030 (40.6)</td>
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<td>1,030 (40.6)</td>
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</tr>
<tr>
<td>Front K (mm/in.)</td>
<td>2,005 (78.9)</td>
<td>2,005 (78.9)</td>
<td>2,005 (78.9)</td>
<td>2,005 (78.9)</td>
<td>2,005 (78.9)</td>
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</tr>
<tr>
<td>Rear L (mm/in.)</td>
<td>1,870 (73.6)</td>
<td>1,870 (73.6)</td>
<td>1,870 (73.6)</td>
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<td>1,870 (73.6)</td>
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</tr>
<tr>
<td>Turning radius</td>
<td>7,680 (302.4)</td>
<td>8,340 (328.3)</td>
<td>8,790 (346.1)</td>
<td>9,450 (372.0)</td>
<td>10,120 (398.4)</td>
<td>10,780 (424.4)</td>
</tr>
<tr>
<td>Swept mm</td>
<td>8,210 (323.2)</td>
<td>8,870 (349.2)</td>
<td>9,320 (366.9)</td>
<td>9,980 (392.9)</td>
<td>10,650 (419.3)</td>
<td>11,310 (445.3)</td>
</tr>
</tbody>
</table>

### CHASSIS WEIGHTS

| AT Total weight kg(lb.) | 4,605 (10,150) | 4,685 (10,330) | 4,725 (10,415) | 4,750 (10,470) | 4,770 (10,515) | 4,805 (10,595) |
| Front axle kg(lb.) | 2,915 (6,425) | 2,970 (6,550) | 2,965 (6,535) | 2,990 (6,635) | 3,045 (6,710) | 3,050 (6,725) |
| Rear axle kg(lb.) | 1,690 (3,725) | 1,715 (3,780) | 1,760 (3,880) | 1,760 (3,880) | 1,725 (3,805) | 1,755 (3,870) |

### ENGINE

- **Model**: HINO J08E-VB
- **Type**: Diesel, 6 cylinder, in-line, water-cooled
- **Combustion system**: Direct injection type
- **Max. output**: 260HP (SAE Gross) at 2,500 rpm
- **Max. torque**: 895 Nm (SAE Gross) (660 lb.-ft.) at 1,500 rpm
- **Bore and stroke**: 112 x 130 mm (4.41 x 5.12 in.)
- **Piston**: 7,684 L
- **dispacement**: (468.8 cu.in.)
- **Fuel injection system**: Common rail ND
- **Governor**: Electronically controlled
- **Intake system**: Turbocharged and intercooled
- **Air cleaner**: Paper filter type ("DONALDSON")
- **Pre-Heater**: Glow heater plug type
- **Fan clutch**: Bimetal thermostat sensor regulates fan speed
- **Block heater**: 1,000 watts/120V immersion type
- **Exhaust gas after DEF - SCR Dosing treatment system system**

### POWER LINE & PERFORMANCE

- **[15,000 kg (33,000 lbs.) GVW & 11.00R22.5-14 tires]**
  - **Power line**
    - Max. speed km/h: 125
    - Startability: 39.2
    - Transmission Model: Allison 2500 RDS
      - Type: Six-speed automatic
      - 1st.: 3.512
      - 2nd.: 1.896
      - 3rd.: 1.439
      - 4th.: 1.000
      - 5th.: 0.737
      - 6th.: 0.640
      - Rev.: 5.086
    - Rear axle gear ratio: 5.57
  - **Engines**
    - **Model**: HINO J08E-VB
      - **Type**: Diesel, 6 cylinder, in-line, water-cooled
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**Part #: MK33815E Printed in Canada - Rev. 11/13**

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**THE QUALITY CHOICE.**
**WEIGHT CAPACITIES**

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity (kg/lbs)</th>
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<tr>
<td>Front axle</td>
<td>5,440 (12,000)</td>
</tr>
<tr>
<td>Rear axle</td>
<td>9,530 (21,000)</td>
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<td>Front spring</td>
<td>5,440 (12,000)</td>
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<td>Rear spring</td>
<td>9,530 (21,000)</td>
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**LIQUID CAPACITIES**

- **Fuel tank**: 189.2 (50) liters, aluminum
- **Cooling system**: 23.5 (6.21) liters
- **Diesel Exhaust Fluid**: 19 liters

**AXLE / SUSPENSION**

- **Front axle**: MFS-12 series reversed Elliot, "I" beam, Oil lubricated front wheel bearings
- **Front spring**: Taper-leaf springs w/ shock absorbers
- **Rear axle**: RS21-145 series Full-floating, single reduction Single-speed hypoid gears, oil lubricated type
- **Rear spring**: Semi-elliptic main leaf
- **Option**: 2 air bag suspension w/ shock absorbers and valve

**FRAME**

- **Ladder type**: Straight | section
- **Width mm (in.)**: 863.6 (34)
- **Tensile strength kg/mm² (lb/in²)**: 63.4 (90,143)
- **Resisting bending moment (one side) kgf•mm (in•lbs.)**: no reinforcement

**STEERING**

- **Type**: Tilt and telescopic steering column with lock
- **Recirculating ball, with hydraulic booster integral type**

**WHEELS / TIRES**

- **Wheels**: 22.5X8.25, 10-stud disc.
- **Tires**: 11R22.5(G)
- **Brand & Pattern**: Bridgestone Fr: RIB, Rr: LUG

**BRAKES**

- **Service brake**: Hydraulic system with disc brake for front and rear wheels, with automatic adjustment
  - **Disc diameter x pad area (cm²)**: 390.5 x 122.3 x 18.8
  - **x thickness mm (in.)**: 15.375 x 18.96 x 0.74
  - **Control**: Hydraulic dual circuit with Antilock Brake System (ABS)
  - **Parking brake**: Mechanical, internal expanding acting on the drive shaft
  - **Drum diameter mm (in.)**: 304.8 (12)
  - **Exhaust brake**: Electric-pneumatic with valve in exhaust pipe

**CAB EQUIPMENT**

- **Cab construction**: All steel, welded
- **Seating**: Three
  - Driver's seat: Adjustable reclining, covered with fabric with air suspension and armrest
  - Passenger's seat: Bench type, covered with fabric
- **Seat belts**: 3-point type (driver and passenger), one 2-point type (centre)
- **Heater/Defroster**: 18,357 BTU/h (4,627 Kcal/h)
- **Power mirrors**: Outside rearview, chrome, 1 flat, heated and 1 convex on each side
- **Sun visors**: 2
- **Over-head console**: 2
- **Air conditioning**
- **Windshield**: Laminated
- **Windshield wipers**: Dual electric, 2-speed and intermittent
- **Cup holders**
- **Electric power windows**
- **Electronic cruise control**
- **12V Power outlet**
- **Power door locks, keyless entry**

**DASH INSTRUMENTATION**

- **Driver information display**
- **Meters and gauges**, metric system
  - **Speedometer - km/h (mph)**
  - **Odometer (km/h)**
  - **Fuel gauge**
  - **Diesel exhaust fluid gauge**
  - **Coolant temperature gauge**
  - **Engine tachometer**
  - **Warning and pilot lamps and buzzers**
    - Oil pressure warning lamp and buzzer
    - Brake pressure warning lamp and buzzer
    - Coolant level warning lamp and buzzer
    - Battery charging warning lamp
    - High beam indicator lamp
    - Turn signal indicator lamp
    - Parking brake warning lamp
    - Engine control system warning lamp
    - ABS warning lamp
    - Glow plug pre-heater indicator lamp
    - DEF level indicator

**ELECTRICAL EQUIPMENT**

- **Batteries**: 2, parallel connection, each 12 V
- **Capacity**: 1400 CCA
- **Alternator**: 12 V, 135 A brushless
- **Starter**: 12 V, 4.8 kW
- **Audio system**: AM/FM/CD with Bluetooth®
- **Headlamps**: 2, composite type
- **Identification lamps**: (front)
- **Stop/Tail lamps**
- **Back-up lamps**
- **Turn signals and hazard warning lamps**
- **Dome lamps**
- **Clearance lamps**: (front) LED type
- **Electric horn**: (dual)

**CHASSIS EQUIPMENT**

- **Fuel pre-filter**: Pre-filter (dust) and sediment (water) with heater - DAVCO
- **Reflectors**: 2 rear, 2 front side
- **Towing hook**: 1 at front
- **Chrome bumper**
- **Chrome grille**

See your authorized Hino Dealer for a complete list of options and accessories.

*NOTE: All specifications of the products are with normal manufacturing allowances and tolerances.*

*HINO MOTORS CANADA, LTD. reserves the right to alter specifications at any time without previous notice.*