

# HINO

# 500 Series

## FD 1124 Crew

## FG 1628 Crew



**ADR 80/03 Model**  
**4 x 2 Crew Cab Chassis**

\* Illustration may contain item not standard to the model

## KEY FEATURES

- 7 Seat Capacity: 3 front, 4 rear
- 4 Door with electric windows
- Anti-lock Brake System (ABS)
- Easy Start (ES) – Take-off Assist
- 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

## KEY SPECIFICATIONS

|  |         |            |           |         |                       |
|--|---------|------------|-----------|---------|-----------------------|
| <b>GVM (kg)</b> . . . . .                | FD 1124 | 11,000     | . . . . . | FG 1628 | 15,500<br>(opt 8,000) |
| <b>GCM (kg)</b> . . . . .                | FD 1124 | 20,000     | . . . . . | FG 1628 | 32,000                |
| <b>Power</b> . . . . .                   | FD 1124 | 176kW      | . . . . . | FG 1628 | 206kW                 |
| <b>Torque</b> . . . . .                  | FD 1124 | 716Nm      | . . . . . | FG 1628 | 824Nm                 |
| <b>Transmission</b> . . . . .            | FD 1124 | 6 speed OD | . . . . . | FG 1628 | 6 speed<br>direct     |
| <b>Wheelbase</b> . . . . .               | FD 1124 | 4,850mm    | . . . . . | FG 1628 | 5,530mm               |
| <b>Nominal<br/>Body Length</b> . . . . . | FD 1124 | 6,080mm    | . . . . . | FG 1628 | 7,190mm               |



# FD 1124 Crew FG 1628 Crew

## Engine & Driveline specifications

### ENGINE

| Model                               | FD 1124 Crew  | FG 1628 Crew    |
|-------------------------------------|---|-----------------|
| Engine variant                      | J07E-TP   | J08E-VD         |
| Max. output (ISO Net) @ 2,400 RPM   | 176kW (240 HP)  | 206kW (280 HP)  |
| Max. output (JIS GROSS) @ 2,400 RPM | 180kW (245 HP)  | 210kW (285 HP)  |
| Max. torque (ISO Net) @ 1,500 RPM   | 716Nm (73kgf/m)   | 824Nm (84kgf/m) |
| Max. torque (JIS GROSS) @ 1,500 RPM | 725Nm (74kgf/m)   | 843Nm (86kgf/m) |
| Max. engine speed (RPM)             | 2,400   |                 |
| Engine compliance                   | ADR 80/03   |                 |
| Number of Cylinders                 | 5   | 6               |
| Type                                | Diesel, turbocharged & intercooled, in-line, overhead camshaft & water-cooled |                 |
| Combustion system                   | Direct injection with EGR   |                 |
| Bore & stroke                       | 112 x 130mm   |                 |
| Piston displacement                 | 6.403L  | 7.684L          |
| Compression ratio                   | 17:1  |                 |
| Engine oil capacity                 | 11.7L   | 13.5L           |
| Coolant capacity                    | 26.5L   | 24.5L           |
| Fuel injection pump                 | Electronic control common-rail type   |                 |
| Air cleaner                         | Single paper element  |                 |
| Air compressor type                 | Single cylinder, water-cooled   |                 |
| Bore & stroke                       | 70 x 40mm   | 85 x 40mm       |
| Fan clutch                          | Equipped  |                 |
| Exhaust                             | Horizontal outlet with DPR  |                 |
| Emission Control System             | EGR & DPR meeting ADR 80/03 using EURO V Std                                  |                 |

### CLUTCH (Manual Models only)

| Model                   | FD 1124 Crew                         | FG1628 Crew   |
|-------------------------|--------------------------------------|---------------|
| Model                   | CS-350 series                        | CS-380 series |
| Type                    | Dry single plate with damper springs |               |
| Facing material         | Moulded (non-asbestos)               |               |
| Facing outside diameter | 350mm                                | 380mm         |
| Control                 | Hydraulic with air booster           |               |

### TRANSMISSION & GEAR RATIOS

| Model       | FD 1124 Crew                                      | FG 1628 Crew         |
|-------------|---|----------------------|
| Model       | LX065 (Overdrive)                                 | MF06S (Direct drive) |
| Description | 6 forward and 1 reverse Synchronesh on 2nd to 6th |                      |
| 1st         | 6.098   | 8.189                |
| 2nd         | 3.858   | 5.340                |
| 3rd         | 2.340   | 3.076                |
| 4th         | 1.422   | 1.936                |
| 5th         | 1.000   | 1.341                |
| 6th         | 0.761   | 1.000                |
| Rev         | 5.672   | 7.142                |

### PERFORMANCE

|                                     | FD 1124 Crew       | FG 1628 Crew     |
|-------------------------------------|--------------------|------------------|
| Calculations based on GVM/tyre size | 11 ton 235/75R17.5 | 15.1 ton 11R22.5 |
| Rear axle ratio                     | 4.333:1            | 4.300:1          |
| Engine RPM @ 100km/h                | 2270               | 2260             |
| Max theoretical speed (km/h)        | 106                | 110              |
| Gradeability tan $\theta$ (%) @ GVM | 45.1               | 35.9             |
| Speed limited to 100 km/h           | No                 | Yes              |

### BRAKES

|                                 | FD 1124 Crew                                  | FG 1628 Crew             |
|---------------------------------|---|--------------------------|
| Type                            | Full air, "S" cam, drum                       | Air Over Hydraulic, drum |
| Drum diameter x lining width    | 320.0 x 110mm                                 | 406.4 x 127mm            |
| Front                           |   |                          |
| Rear                            | 320.0 x 145mm                                 | 406.4 x 203mm            |
| Air dryer                       | Equipped                                      |                          |
| Anti-lock Brake System (ABS)    | Equipped                                      |                          |
| Anti-slip Regulator (ASR)       | Equipped                                      | N/A                      |
| Park brake type                 | Spring brake, acting on rear wheels           |                          |
| Exhaust brake type              | Electric-pneumatic with valve in exhaust pipe |                          |
| Easy Start (ES) Take off assist | Equipped                                      |                          |

### AXLE, SUSPENSION & LOAD LIMITS

|                                    | FD 1124 Crew   | FG 1628 Crew                                |
|------------------------------------|--|---|
| Front Axle Model & Type            | LF 466 series  | MF 761 series                               |
| Type                               | Reverse Elliot I-Beam  |   |
| Suspension                         | Tapered leaf springs with shock absorbers & stabiliser         |   |
| Spring Dimensions                  | 1,300 x 70mm   | 1,470 x 70mm                                |
| Spring Rate                        | 23.0 kgf/mm  | 29.7 kgf/mm                                 |
| Axle Limit (including suspension)  | 4,100 kg   | 6,500 kg                                    |
| Tyre Limit                         | 4,000 kg   | 6,500 kg                                    |
| Rear Axle Model                    | SH13   | SH16  |
| Type                               | Fully floating, single reduction, single speed by Hypoid gears |   |
| Suspension                         | Tapered leaf springs with shock absorbers                      |   |
| Spring Dimensions (length x width) | Main 1,300 x 70mm<br>Auxiliary 900 x 70mm                      | Main 1,400 x 90mm<br>Auxiliary 1,000 x 90mm |
| Spring Rate                        | 25.0 kgf/mm / 73.6 kgf/mm                                      | 52.6 kgf/mm / 101.7 kgf/mm                  |
| Axle Limit (including suspension)  | 7,000 kg   | 10,000 kg                                   |
| Tyre Limit                         | 7,600 kg   | 11,600 kg                                   |

### WHEELS & TYRES

|                    | FD 1124 Crew                       | FG 1628 Crew                             |
|--------------------|------------------------------------|--|
| Wheel type         | 6-stud disc wheel (JIS)            | 10-stud disc wheel (ISO)                 |
| PCD                | 222.25mm                           | 335mm                                    |
| Rim size           | 6.75 x 17.5 - offset 135mm         | 8.25 x 22.5 - offset 165mm               |
| Tyre size          | Front 235/75R 17.5 132/130<br>Rear | 295/80R 22.5 152/148<br>11R 22.5 148/145 |
| Number of tyres    | Seven (including one spare tyre)   |  |
| Spare tyre carrier | Equipped                           |  |

### FUEL TANK

|                              | FD 1124 Crew        | FG 1628 Crew |
|------------------------------|---------------------|--------------|
| Capacity                     | 200L                | 300L         |
| Type                         | All steel rectangle |              |
| Fuel pre-filter & sedimenter | Equipped            |              |
| Fuel tank cap key            | Equipped            |              |

### STEERING

|                | FD 1124 Crew   | FG 1628 Crew   |
|----------------|--|----------------|
| Type           | Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering |                |
| Gear ratio     | 18.6:1   | 20.1:1         |
| Steering angle | Inside 50°-53°<br>Outside 39°  | 39°-42°<br>32° |

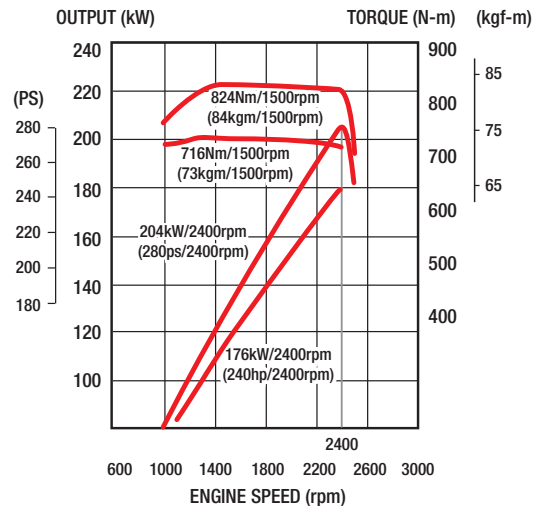


# FD 1124 Crew

# FG 1628 Crew

## Cab, Instrumentation & Chassis

### POWER & TORQUE CHART (ISO Net) J08E-VD



#### CAB DETAILS

|   |  |
|---|--|
| Type . . . . .                            | Forward control, all-steel construction with electro hydraulic tilt mechanism  |
| Drivers SRS Airbag . . . . .              | Equipped   |
| Seating capacity . . . . .                | Seven  |
| Driver's seat . . . . .                   | ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt |
| Side passenger's seat . . . . .           | Urethane foam pads, high-back & reclining seat with fabric cover   |
| Centre passenger's seat . . . . .         | Urethane foam pads & foldaway type with seat back tray, fabric cover   |
| Rear passenger seat . . . . .             | Fixed bench type   |
| Seat belt . . . . .                       | 3-point type on driver's & side passenger's seats<br>2-point type on centre passenger seats                                    |
| Sun visor and overhead console . . . . .  | For driver & passenger sides   |
| Windshield wipers . . . . .               | Electric, dual, intermittent & 2-speed   |
| Ventilator . . . . .                      | Forced type by electric blower   |
| Rear view mirrors . . . . .               | External: Electric & heated, flat type, two convex spotters & kerb view  |
| Cigarette lighter 24V . . . . .           | Equipped   |
| Electrical converter . . . . .            | 12V (harness type)   |
| Floor mat . . . . .                       | Vinyl type   |
| Front air spoiler . . . . .               | Equipped   |
| Central locking & keyless entry . . . . . | Equipped   |
| Heater and defroster . . . . .            | Standard   |
| Air conditioner . . . . .                 | Standard   |
| Trim . . . . .                            | Full trim type (side, roof & 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   |

#### ELECTRICAL

|                                    |  |
|------------------------------------|--|
| Type . . . . .                     | 24V, negative earth  |
| Batteries . . . . .                | 12V x 2, series connection. Capacity 120Ah at 20-hour rate |
| Alternator type . . . . .          | Brushless with built-in rectifier & 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

- Meters & gauges**
  - Speedometer
  - Odometer with trip meter
  - Tachometer
  - Fuel gauge
  - Coolant temperature gauge
  - Air pressure gauge
- Switches**
  - One-key starting-stopping
  - Lighting
  - Directional indicator, dimmer & passing
  - Wiper & washer
  - Hazard lamp
  - Exhaust brake
  - Map lamp
  - Fog lamp
  - Easy Start
  - Cruise Control
  - DPR regeneration
  - Mirror controls
  - PTO (optional)
- Warning, pilot lamps & buzzers**
  - Oil pressure lamp & buzzer
  - Air pressure lamp & buzzer
  - Engine over-run buzzer
  - Coolant level lamp & buzzer
  - Air pressure lamp & buzzer
  - High beam indicator lamp
  - Turn signal indicator lamp
  - Parking brake indicator lamp
  - Exhaust brake indicator lamp
  - Engine control system lamp
  - Hazard indicator lamp
  - Back-up buzzer
  - ABS warning lamp
- Others**
  - Idle up control knob
  - Horn button
  - 12V electric source
- Multi information display**
  - Fuel consumption
  - Service reminders
  - Warnings
  - Faults

#### CHASSIS FRAME

| Wheel Base                                     | FD 1124 Crew                             | FG 1628 Crew   |
|--|--|----------------|
| Type   | Ladder-shaped channel section side rails |                |
| Chassis width (at rear)                        | 820mm                                    | 870mm          |
| Main section (mm) (depth x flange x thickness) | 231.6 x 73 x 6.8                         | 270 x 85 x 8.0 |
| Tensile strength                               | 540N/mm <sup>2</sup>                     |                |
| Inner Section (mm)                             | 218 x 60 x 3.2                           | N/A            |
| Tensile strength                               | 440N/mm <sup>2</sup>                     |                |
| Front Underrun Protection                      | Equipped                                 |                |
| Tow Hook (front and rear)                      | Equipped                                 |                |

#### GENUINE ACCESSORY OPTIONS

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

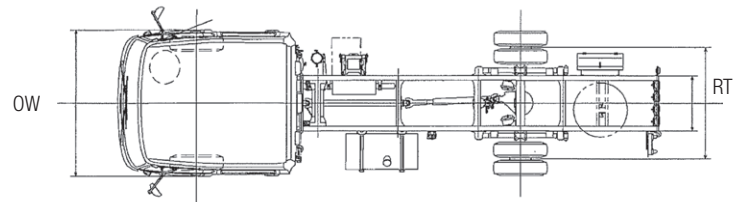
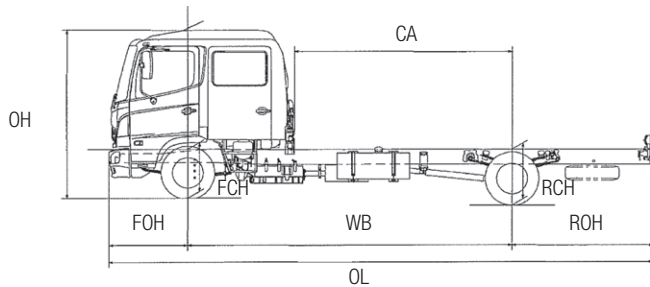
**Please check with your dealer for price, availability & fitment for these options**



# FD 1124 Crew FG 1628 Crew

# 500 Series

## Dimensions



### DIMENSIONS – mm/capacities

| Model Hino  | FD 1124 Crew     | FG 1628 Crew |
|---|------------------|--------------|
| Model Code  | FD7JLMA-HTU      | FG8JPMB-QUU  |
| Nominal Body Length (WB x .6) + CA – 80)  | 6,080            | 7,190        |
| Wheelbase (WB)  | 4,850            | 5,530        |
| Overall Length (OL)   | 8,135            | 9,360        |
| Overall Width (OW)  | 2,175            | 2,450        |
| Overall Height (OH)   | 2,580            | 2,765        |
| Cab to Rear Axle centre (CA)  | 3,250            | 3,955        |
| Front Overhang (FOH)  | 1,185            | 1,235        |
| Rear Overhang (ROH)   | 2,060            | 2,550        |
| Front Chassis Height (FCH)  | 755              | 955          |
| Rear Chassis Height (RCH)   | 855              | 1,025        |
| Road Clearance (RC)   | 195              | 250          |
| Front Track (FT)  | 1,780            | 1,925        |
| Rear Track (RT)   | 1,660            | 1,840        |
| Turning Circle Kerb to Kerb   | 15,200           | 19,800       |
| Wall to Wall  | 16,600           | 21,250       |
| Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance) |                  |              |
| Total   | 3,635            | 5,410        |
| Front   | 2,465            | 3,285        |
| Rear  | 1,170            | 2,125        |
| GVM   | 11,000 opt 8,000 | 15,500       |
| GCM   | 20,000           | 32,000       |

### WARRANTY

New vehicle warranty period

| Light Duty Model                | Axle configuration | Standard warranty<br>(whichever comes first) | Cab corrosion perforation |
|---------------------------------|--------------------|--|---------------------------|
| <b>500 FD 1124/FG 1628 CREW</b> | <b>4 x 2</b>       | <b>3 years or 150,000km</b>                  | <b>36 months</b>          |

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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