

# HINO

## 3000 Series

# 920 Manual 921 Auto



\*921 Auto shown

### ADR 80/03 Models Wide Cab 4 x 2 Cab Chassis

## KEY FEATURES

- Cruise Control
- Dual SRS Airbags
- Ventilated Disc Brakes Front and Rear
- Anti-lock Brake System (ABS)
- Vehicle Stability Control (VSC)
- Reverse Camera
- Traction Control (TRC)
- Manual & Automatic Transmission Variants
- Easy Start (Manual Model Only)
- ADR 80/03 Emission using Euro 5
- Also meets EEV emission levels
- Driver Suspension seat
- ECE R-29 Cab Strength Certified

## KEY SPECIFICATIONS

|  |                                |
|--|--------------------------------|
| <b>GVM Range</b> . . . . .               | 4,495 to 8,500kg               |
| <b>GCM Range</b> . . . . .               | 7,995 to 12,000kg              |
| <b>Power</b> . . . . .                   | 151kW (Auto)<br>139kW (Man)    |
| <b>Torque</b> . . . . .                  | 600Nm (Auto)<br>510Nm (Man)    |
| <b>Transmissions</b> . . . . .           | 6 Speed Auto<br>6 Speed Manual |
| <b>Wheelbase</b> . . . . .               | 3,500mm, 3,800mm, 4,400mm      |
| <b>Nominal Max Body Length</b> . . . . . | 4,865mm, 5,345mm, 6,305mm      |



# 920 & 921

## Engine & Driveline specifications

### ENGINE

| Model                          | JO5E-UH  | JO5E-UJ        |
|--------------------------------|--|----------------|
|                                | Manual   | Auto           |
| Max output ISO Net @ 2,600 RPM | 139kW (189 hp)   | 151kW (205 hp) |
| Max Output ISO Net @ 1,500 RPM | 510Nm  | 600Nm          |
| Max Engine Speed               | 2700 RPM   |                |
| Type                           | Diesel, 4 cylinder, OHC, fluid cooled                                      |                |
| Combustion System              | Direct injection type  |                |
| Bore & Stroke                  | 112mm x 130mm  |                |
| Piston displacement            | 5.123 Lts  |                |
| Fuel Injection                 | Electronic control, common rail type                                       |                |
| Air Intake system              | Turbo, intercooled stack type intake                                       |                |
| Air Cleaner                    | Paper Element  |                |
| Fan Clutch                     | Equipped   |                |
| Exhaust                        | Catalytic convertor with Diesel Particulate active Reduction System (DPR)  |                |
| Exhaust Outlet                 | Horizontal (Rear facing)   |                |
| Emission Control System        | EGR & DPR meeting ADR 80/03 using Euro 5. Also meeting EEV emission levels |                |

### CLUTCH (Manual models only)

|                         |  |
|-------------------------|--|
| Clutch type             | Dry single plate, diaphragm type with damper springs |
| Facing outside diameter | 325mm  |
| Facing lining area      | 483cm <sup>2</sup> x 2                               |
| Control                 | Hydraulic with vacuum booster                        |

### TRANSMISSION

|        |   |
|--------|---|
| Auto   | A465 Full automatic 6 speed with double overdrive |
| Manual | MZZ6F 6 speed synchromesh with single overdrive   |

### BRAKES

|                                 |   |
|---------------------------------|---|
| Service brakes                  | Hydraulic system with ventilated disc brakes front and rear |
| Control                         | Vacuum servo with hydraulic assist & dual circuits          |
| Disc Diameter                   | 287mm front & rear  |
| Anti Lock Braking System (ABS)  | Equipped  |
| Vehicle Stability Control (VSC) | Equipped  |
| TRaction Control (TRC)          | Equipped  |
| Easy Start system (ES)          | Equipped (manual models only)                               |
| Exhaust Brake                   | Electro Vacuum actuator with valve in the exhaust pipe      |
| Park Brake                      | Rear of Transmission  |

### PERFORMANCE & GEAR RATIOS

| Models                   | 920 Manual | 921 Automatic |
|--------------------------|------------|---------------|
| Engine RPM @ 100 km/h    | 2,180      | 2,220         |
| Maximum speed (km/h)     | 123        | 121           |
| Gradeability Tan % @ GVM | 40         | 60            |
| Final Drive Ratio        | 4.100      | 5.142         |

#### A465 Automatic transmission

|               |       |               |       |
|---------------|-------|---------------|-------|
| 1st . . . . . | 3.742 | 4th . . . . . | 1.000 |
| 2nd . . . . . | 2.003 | 5th . . . . . | 0.773 |
| 3rd . . . . . | 1.343 | 6th . . . . . | 0.634 |
|               |       | Rev. . . . .  | 3.539 |

#### MZZ6F Manual transmission

|               |       |               |       |
|---------------|-------|---------------|-------|
| 1st . . . . . | 6.369 | 4th . . . . . | 1.355 |
| 2nd . . . . . | 3.767 | 5th . . . . . | 1.000 |
| 3rd . . . . . | 1.966 | 6th . . . . . | 0.782 |
|               |       | Rev. . . . .  | 6.369 |

### AXLE, SUSPENSION & LOAD LIMITS

| Front Axle Model & Type |                                   | Reverse Elliot I-Beam                                  |  |
|-------------------------|-----------------------------------|--|--|
| FRONT                   | Suspension                        | Tapered leaf springs with shock absorbers & stabiliser |  |
|                         | Spring Dimensions                 | 1,300 x 70mm   |  |
|                         | Number of Leafs                   | 3  |  |
|                         | Spring Rate                       | 21kgf/mm   |  |
|                         | Axle Limit (including suspension) | 3,100kg  |  |
|                         | Tyre Limit                        | 3,100kg  |  |
|                         | Rear Axle Model & Type            |  | SH13, fully floating, single reduction, single speed by Hypoid gears |
| REAR                    | Suspension                        | Main & Aux Tapered leaf with shock absorber            |  |
|                         |                                   | Main   | Auxiliary  |
|                         | Spring Dimensions                 | 1,350 x 70mm   | 900 x 70mm   |
|                         | Spring Rates                      | 19kgf/mm   | 78kgf/mm   |
|                         | Number of Leafs                   | 3  | 3  |
|                         | Axle Limit (including suspension) | 6,200kg  |  |
|                         | Tyre Limit                        | 6,000kg  |  |

### WHEELS & TYRES

|                    |   |
|--------------------|---|
| Models             | 920 & 921                               |
| Wheel Type         | 6-Stud SAE, 222.25mm PCD                |
| Wheel & Rim Size   | 225/80R17.5 123/122 & 17.5 x 6.00 127mm |
| Number of Tyres    | Seven                                   |
| Spare Tyre Carrier | Equipped                                |

### ELECTRICAL

|                  |  |
|------------------|--|
| Type             | 24 volt, negative earth                  |
| Batteries        | 12V x 2, series connected                |
| Alternator type  | Built-in rectifier and voltage regulator |
| Capacity         | 24V – 80AMP                              |
| Starter capacity | 24V, 4.5kW                               |



# 920 & 921 Cab Equipment, Power Charts & Instrumentation

## CHASSIS FRAME DIMENSIONS

|   |  |
|---|--|
| Models  | 920 & 921                                |
| Type  | Ladder-shaped channel section side rails |
| Chassis width (at rear)                         | 840mm                                    |
| Main Section in mm (depth x flange x thickness) | 210 x 70 x 5.0                           |
| Tensile Strength                                | 540 N/mm <sup>2</sup>                    |
| Tow Hook  | Front & Rear                             |

## CAB EXTERIOR

|                      |   |
|----------------------|---|
| Type                 | Forward control, all steel welded construction, fully trimmed |
| Windscreen wipers    | Electric, dual wipers, intermittent and 2-speed               |
| Outside rear mirrors | Remote control & heated, & two convex spotters                |
| Radiator grille      | Chrome  |
| Lamps                | Halogen headlamps and fog lamps                               |

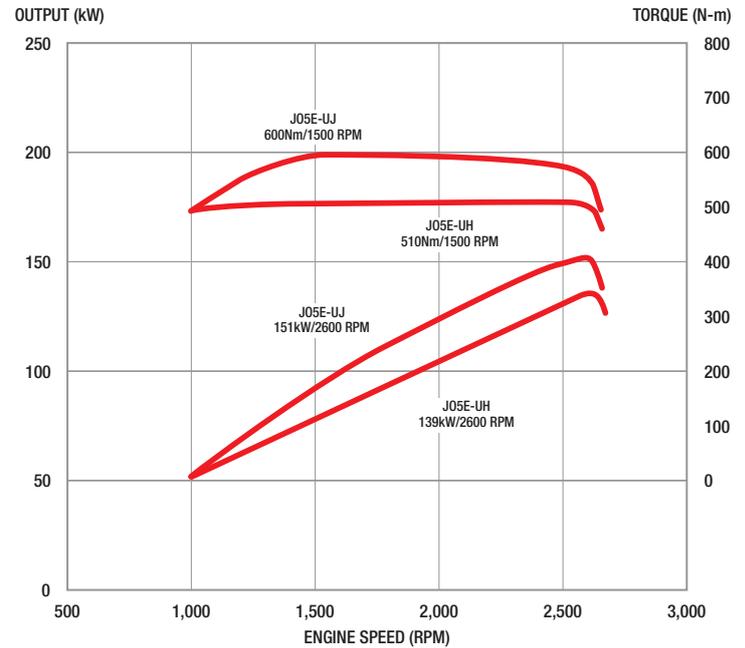
## CAB INTERIOR

|                             |   |   |
|-----------------------------|---|---|
| Windscreen glass            | Laminated glass   |   |
| Seating capacity            | Three   |   |
| Driver's seat               | 4-way adjustable, urethane pads, high-back, lumbar support with suspension base   |   |
| Assistant's seat            | Fixed bench, urethane foam pads, high-back  |   |
| Seat cover                  | Fabric cover  |   |
| Seat belts                  | Driver's seat   | 3-point type with ELR and pre-tensioner |
|                             | Assistant's seat  | 3-point type with ELR and pre-tensioner |
|                             | Centre passenger's seat   | 2-point type                            |
| Sun visors                  | For driver and passenger  |   |
| Ventilator                  | Forced type by electric blower  |   |
| Inside rear mirror          | One, flat type  |   |
| Cigarette lighter (24 volt) | Equipped  |   |
| Multimedia System           | 6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AUX input, Bluetooth® 4.1, Android 6.0, CANBUS connected and Wi-Fi enabled |   |
| Heater and defroster        | Equipped  |   |
| Air conditioner             | Equipped  |   |
| Remote door locking         | Equipped  |   |
| Immobiliser                 | Equipped  |   |
| Power windows               | Equipped  |   |
| SRS airbags                 | Equipped for driver and assistant   |   |
| Drivers foot rest           | Equipped (Auto models only)   |   |
| Overhead consoles           | For driver and assistant  |   |
| Cup holder                  | Equipped  |   |
| Cruise control              | Equipped  |   |

## STEERING

|                 |   |             |
|-----------------|---|-------------|
| Type            | Telescopic & Tilt steering column with Recirculating Ball Integral Power Steering |             |
| Gear Ratio      | 20.9:1  |             |
| Steering Angles | Inside 44°  | Outside 34° |

## COMBINED POWER & TORQUE CHART (ISO Net) JO5E-UH & JO5E-UJ



## INSTRUMENTS

|   |  |
|---|--|
| <b>1. Meters and gauges</b><br>km-kg system<br>Engine tachometer<br>Speedometer<br><b>2. Warning, pilot lamps and buzzers</b><br>Turning signal & hazard indicator lamp<br>Exhaust brake indicator lamp<br>Engine oil pressure warning lamp<br>Battery charge warning lamp<br>High beam indicator lamp<br>Parking brake indicator lamp<br>Engine malfunction indicator lamp<br>Fuel level warning lamp<br>Fuel filter water accumulating level warning lamp<br>Brake fluid level warning lamp<br>Back-up warning buzzer<br>Cab-tilt warning lamp<br>ABS system failure warning lamp<br>SRS airbag system failure warning lamp<br>Easy Start indicator lamp*<br>Cruise Control | <b>3. Switches</b><br>Lighting<br>Wiper and washer<br>Exhaust brake<br>Easy Start*<br>Easy Start release timing adjuster*<br>Cruise Control<br>Traction Control OFF<br><b>4. Multi Information Display</b><br>Fuel gauge<br>Coolant temperature gauge<br>DPR accumulation gauge<br>Odometer<br>2 trip meters<br>Fuel consumption<br>- Current<br>- Average<br><b>5. Others</b><br>Horn button<br>Remote door locking |
|---|--|

\* Easy start components are for Manual models only

## GENUINE ACCESSORY OPTIONS

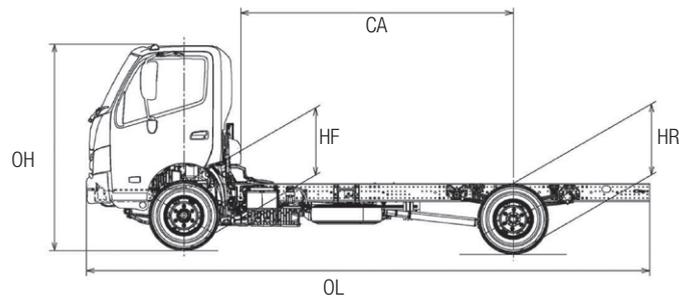
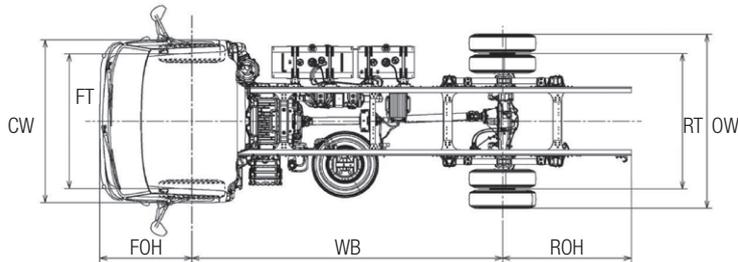
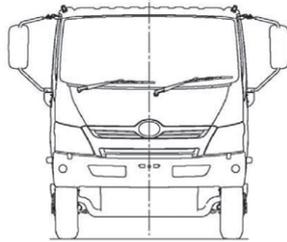
|  |                      |
|--|----------------------|
| Bull bar                                 | LED driving lights   |
| Chrome wheel covers                      | Stoneguard           |
| Truck specific GPS nav with Live Traffic | Sunvisor             |
| Additional cameras (Up to 3 extra)       | Hino Traq telematics |

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



# 920 & 921

## Dimensions



3800mm wheelbase shown.

# 300 Series

### DIMENSIONS - mm / Capacities

| Models 300 Series  | 920 Manual      |                 |                 | 921 Automatic   |                 |                 |        |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|
| Models variants  | Medium          | Long            | XXLong          | Medium          | Long            | XXLong          |        |
| Model Code   | XJC710R-HKFTKQ3 | XJC720R-HKFTKQ3 | XJC740R-HKFTKQ3 | XJC710R-HKTTJQ3 | XJC720R-HKTTJQ3 | XJC740R-HKTTJQ3 |        |
| Nominal Body Length ((WBx.6)+CA-80)  | 4,865           | 5,345           | 6,305           | 4,960           | 5,440           | 6,400           |        |
| Wheelbase (WB)   | 3,500           | 3,800           | 4,400           | 3,500           | 3,800           | 4,400           |        |
| Overall Length (OL)  | 6,205           | 6,505           | 7,905           | 6,205           | 6,505           | 7,905           |        |
| Overall Width (OW)   | 2,140           |                 |                 |                 |                 |                 |        |
| Cab Width (CW)   | 1,995           |                 |                 |                 |                 |                 |        |
| Overall Height (OH)  | 2,350           |                 |                 |                 |                 |                 |        |
| Cab to Rear Axle Centre (CA)   | 2,845           | 3,145           | 3,745           | 2,940           | 3,240           | 3,840           |        |
| Front Overhang (FOH)   | 1,125           |                 |                 |                 |                 |                 |        |
| Rear Overhang (ROH)  | 1,575           |                 | 2,375           | 1,575           |                 | 2,375           |        |
| Front Chassis Height (HF)  | 750             | 745             |                 |                 |                 |                 |        |
| Rear Chassis Height (HR)   | 845             | 840             |                 |                 |                 |                 |        |
| Road Clearance   | 200             |                 |                 |                 |                 |                 |        |
| Front Track (FT)   | 1,655           |                 |                 |                 |                 |                 |        |
| Rear Track (RT)  | 1,660           |                 |                 |                 |                 |                 |        |
| Turning Circle   | Kerb to Kerb    | 12,600          | 13,600          | 15,600          | 12,600          | 13,600          | 15,600 |
|  | Wall to Wall    | 14,000          | 15,000          | 17,000          | 14,000          | 15,000          | 17,000 |
| Locking Fuel Tank Capacity (Lts)   | 170             |                 |                 |                 |                 |                 |        |
| Indicative chassis mass – kg (standard tools, 10 litres of fuel, spare tyre and subject to a +/- 3% tolerance) |                 |                 |                 |                 |                 |                 |        |
| Total  | 2,758           | 2,768           | 2,848           | 2,783           | 2,793           | 2,873           |        |
| Front  | 1,882           | 1,896           | 1,912           | 1,887           | 1,901           | 1,922           |        |
| Rear   | 876             | 872             | 936             | 896             | 892             | 951             |        |
| GVM STD  | 8,500           |                 |                 |                 |                 |                 |        |
| GVM Opt 1  | 7,995           |                 |                 |                 |                 |                 |        |
| GVM Opt 2  | 4,495           |                 |                 |                 |                 |                 |        |
| GCM STD & Opt 1 of GVM   | 12,000          |                 |                 |                 |                 |                 |        |
| GCM Opt with Opt 2 of GVM  | 7,995           |                 |                 |                 |                 |                 |        |

### WARRANTY

New vehicle warranty period

| Light Duty Model                | Axle configuration | Standard warranty<br>(whichever comes first) | Cab corrosion perforation |
|---------------------------------|--------------------|--|---------------------------|
| <b>300 SERIES 920 &amp; 921</b> | <b>4 x 2</b>       | <b>3 years or 100,000km</b>                  | <b>36 months</b>          |

Battery warranty – 12 months from date of delivery

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

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



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