

# 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)
- 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> . . . . .	151 kW (Auto) 139 kW (Man)
<b>Torque</b> . . . . .	600 Nm (Auto) 510 Nm (Man)
<b>Transmissions</b> . . . . .	6 Speed Auto 6 Speed Manual
<b>Wheelbase</b> . . . . .	3,500mm, 3,800mm, 4,400mm
<b>Nominal Max Body Length</b> . . . . .	4,865mm, 5,345mm, 6,305mm

A Toyota Group Company

 **HINO**  
A BETTER CLASS OF TRUCK



# 920 & 921 Engine & Driveline specifications

## ENGINE

Model . . . . .	J05E-UH . . . . .	J05E-UJ Manual . . . . .	Auto
Max output ISO Net @ 2,600 rpm . . . . .	139 kW (189 Hp) . . . . .	151 kW (205 Hp)	
Max Output ISO Net @ 1,500rpm . . . . .	510 Nm . . . . .	600 Nm	
Max Engine Speed . . . . .	2700 rpm		
Type . . . . .	Diesel 4 cycle 4 cylinder in line overhead valve, water cooled		
Combustion System . . . . .	Direct injection type		
Bore & Stroke . . . . .	112 mm x 130 mm		
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 sychromesh 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) (kg)	3,100	
	Tyre Limit (kg)	3,100	
REAR	Rear Axle Model & Type	SH13, fully floating, single reduction, single speed by Hypoid gears	
	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) (kg)	6,200	
	Tyre Limit (kg)	6,000	

## 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

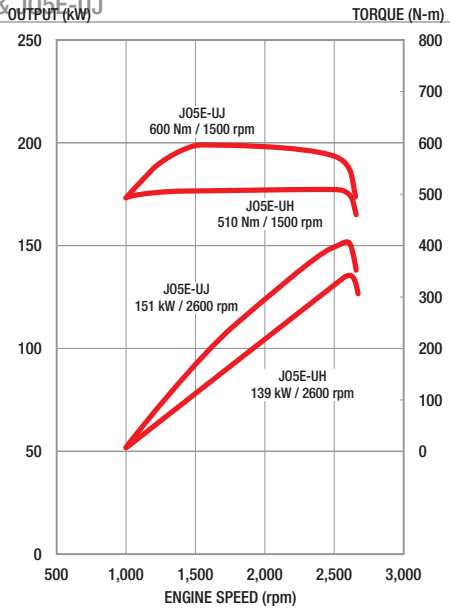
## CAB INTERIOR

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
Audio	DAB+ AM/FM radio with CD & DVD player & Bluetooth
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) J05E-UH & J05E-UJ



## INSTRUMENTS

### 1. Meters and gauges

km-kg system  
Engine tachometer  
Speedometer

### 2. Warning, pilot lamps and buzzers

Turning signal & hazard indicator lamp  
Exhaust brake indicator lamp  
Engine oil pressure warning lamp  
Battery charge warning lamp  
High beam indicator lamp  
Parking brake indicator lamp  
Engine malfunction indicator lamp  
Fuel level warning lamp  
Fuel filter water accumulating level warning lamp  
Brake fluid level warning lamp  
Back-up warning buzzer  
Cab-tilt warning lamp  
ABS system failure warning lamp  
SRS airbag system failure warning lamp  
Easy Start indicator lamp\*  
Cruise Control

### 3. Switches

Lighting switch  
Wiper and washer switch  
Exhaust brake switch  
Easy Start switch\*  
Easy Start release timing adjuster switch\*

### 4. Multi Information Display

Fuel gauge  
Coolant temperature gauge  
DPR accumulation gauge  
Odometer  
2 trip meters  
Fuel consumption  
- Current  
- Average

### 5. Others

One-key starting-stopping  
Horn button  
Remote door locking

\* Easy start components are for Manual models only

## GENUINE ACCESSORY OPTIONS

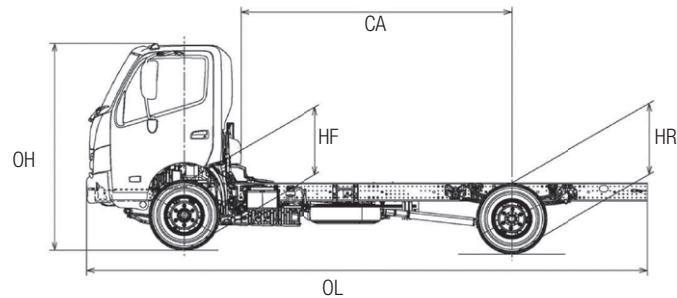
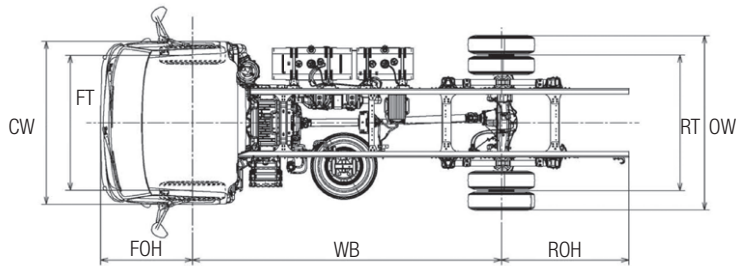
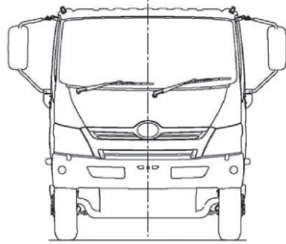
Bull bar	LED driving lights
Chrome wheel covers	Stoneguard
GPS sat nav	Sunvisor
Rear vision camera (up to 3)	

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	2,140	2,140	2,140	2,140	2,140	
Cab Width (CW)	1,995	1,995	1,995	1,995	1,995	1,995	
Overall Height (OH)	2,350	2,350	2,350	2,350	2,350	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	1,125	1,125	1,125	1,125	1,125	
Rear Overhang (ROH)	1,575	1,575	2,375	1,575	1,575	2,375	
Front Chassis Height (HF)	750	750	745	745	745	745	
Rear Chassis Height (HR)	845	845	840	840	840	840	
Road Clearance	200	200	200	200	200	200	
Front Track (FT)	1,655	1,655	1,655	1,655	1,655	1,655	
Rear Track (RT)	1,660	1,660	1,660	1,660	1,660	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	170	170	170	170	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	8,500	8,500	8,500	8,500	
	Opt 1	7,995	7,995	7,995	7,995	7,995	
	Opt 2	4,495	4,495	4,495	4,495	4,495	
GCM	STD	12,000	12,000	12,000	12,000	12,000	
	Opt 1	7,995	7,995	7,995	7,995	7,995	

### WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (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

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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