

# HINO

## 300 Series

# 920 Trade Ace

# 921 Trade Ace



\* Illustration may contain items not standard to the model

**ADR 80/03 Models**  
**300 Series Trade Ace Range**

## KEY FEATURES

- Alloy Tray with Ladder Racks
- Alloy Bull Bar
- 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 and Automatic Transmission
- Easy Start (ES) Take-off Assist (Manual Model Only)
- Driver Suspension seat
- ADR 80/03 Emission using Euro 5
- Also meets EEV emission levels
- 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
	.139kW. . . . . Manual
<b>Torque.</b>	.600Nm . . . . . Auto
	.510Nm . . . . . Manual
<b>Transmission.</b>	.Six-speed. . . . . Auto
	.Six-speed. . . . . Manual
<b>Wheelbase.</b>	3,430mm
<b>Tray Length.</b>	4,500mm



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## Engine & Driveline specifications

### ENGINE

Model	JO5E-UH	JO5E-UJ
	Manual	Auto
Max output ISO Net @ 2600 RPM	139kW (189 hp)	151kW (205 hp)
Max output ISO Net @ 1500 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	2180	2220
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	Front Axle Model & Type	Reverse Elliot I-Beam	
	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	
REAR	Tyre Limit	3,100kg	
	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)	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 & 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



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## Cab Equipment, Power Charts & Body Details

### 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

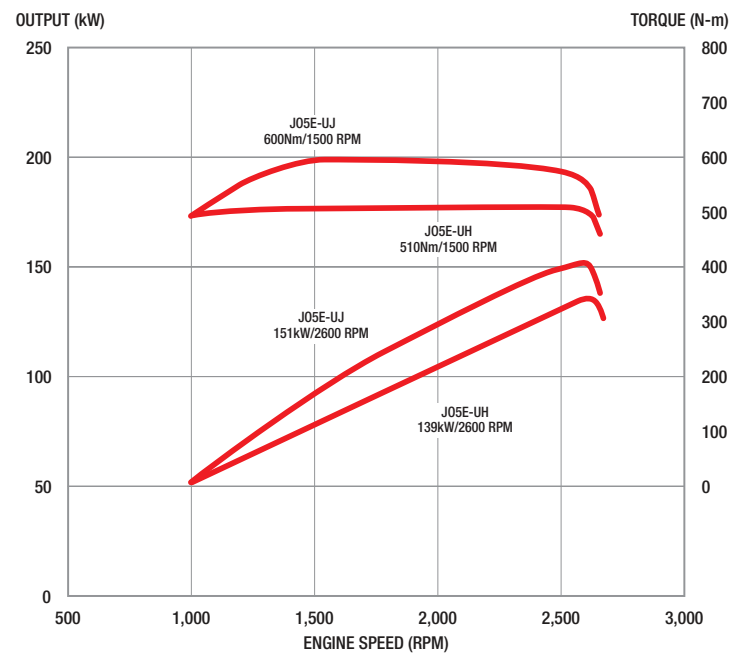
### CAB INTERIOR

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) J05E-UH & J05E-UJ



### INSTRUMENTS

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

\* 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



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## Dimensions



# 300 Series

### DIMENSIONS – mm/capacities

Models		920 Manual Trade Ace	921 Auto Trade Ace
Variants		Medium	Medium
Model code		XJC710R-HKFTKQ3 TA	XJC710R-HKTTJQ3 TA
Body length		4,560	
Wheelbase (WB)		3,500	
Overall length (OL)		6,440	
Overall width including body latches (OW)		2,360	
Overall height at headboard (OH)		2,635	2,640
Cab to rear axle centre (CA)		2,845	
Front overhang (FOH)		1,125	
Rear overhang to back of tray (ROH)		1,800	
Front chasis height (FCH)		750	745
Rear chasis height (RCH)		845	840
Road clearance (RC)		200	
Front track (FT)		1,655	
Rear track (RT)		1,660	
Turning Circle	Kerb to Kerb	12,600	
	Wall to Wall	14,000	
Locking fuel tank capacity (Lts)		170	
Indicative chassis mass – kg (standard tools, 10 litres of fuel, spare tyre and subject to ±3% tolerance)			
Total		3,163	3,188
Front		2,007	2,012
Rear		1,156	1,176
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	

### TRADE ACE BODY DETAILS

Type	Alloy
Length (internal)	4,470mm
Width (internal)	2,230mm
Tray floor load rating	6,000kg
Rope rails each side	40mm x 3mm
Removable racks (centre and rear)	75mm x 4.5mm
Total rack rating	350kg
Double drop sides	Removable 400mm height
Single drop rear gate	Removable 400mm height
Alloy mesh head board (front rack)	Fixed
Front steps both sides	Equipped
Rear steps both sides	Equipped
Provision for internal tie down rings	Equipped
Tonneau cover	Optional

### WARRANTY

New vehicle warranty period

Light Duty	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
<b>300 SERIES Trade Ace Range</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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