

HINO

Bus

RK8J

RN8J

RK Chassis



RN Chassis



**ADR 80/03 Model
Bus Chassis**

KEY FEATURES

Cruise Control
Anti-lock Brake System (ABS)
ZF Fully Automatic
Transmission Retarder
Seating 45-61
Air Bag Suspension (RN8J only)

KEY SPECIFICATIONS

Power	206kW at 2400rpm
Torque	824Nm at 1500rpm
Transmissions	Six-speed automatic
Wheelbase	6000mm
Overall Length	11,460mm
GVM	(RK8J) 15,000kg
	(RN8J) 16,000kg



RK8J RN8J

Engine, Driveline & Chassis specifications

ENGINE

Model	HINO J08E VD
Max output (ISO Net)	206kW (280 HP) at 2400rpm
Max output (JIS Gross)	210kW (285 HP) at 2400rpm
Max torque (ISO Net)	824Nm (84kgf/m) at 1500rpm
Max torque (JIS Gross)	843Nm (86kgf/m) at 1500rpm
Max engine speed	2500rpm
Engine compliance	ADR 80/03
Type	Diesel, turbocharged & intercooled, six-cylinder in-line, overhead camshaft
Combustion system	Direct injection with EGR
Bore & stroke	112 x 130mm
Piston displacement	7.684L
Compression ratio	17.0:1
Engine oil capacity	13.5L
Coolant capacity	21.0L
Fuel injection pump	Electronic control common-rail type
Air cleaner	Dual paper elements
Air compressor type	Single cylinder, water-cooled
Bore & stroke	85 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO 5 Std

TRANSMISSION & GEAR RATIOS

	Automatic
Model	ZF 6AP1000
Description	Double overdrive automatic with retarder
Number of forward gears	6
1st	3.364
2nd	1.909
3rd	1.421
4th	1.000
5th	0.720
6th	0.615
Rev	4.235
Rear axle ratio	6.43

PERFORMANCE

	RK8J	RN8J
Calculations based on GVM, 11R22.5 drive tyres	15,000 kg	16,000 kg
Transmission	Automatic	Automatic
Rear axle ratio	6.428	6.428
Engine RPM @ 100km/h	2,080	2,080
Max theoretical speed (km/h)	120	120
Gradeability tan θ (%) @ GVM	48.1	44.4
Speed limited to (km/h)	100	

AXLE, SUSPENSION & LOAD LIMITS

		RK8J	RN8J
FRONT	Front Axle Model	MF 581	MF 671
	Type	Reverse Elliot I-Beam	Reverse Elliot I-Beam
	Suspension	Tapered leaf springs with shock absorbers	Two bag suspension with double-acting shock absorbers & stabiliser
	Spring Dimensions	1,470 x 80mm	
	Spring Rate	32.8 kgf/mm	
	Axle Limit (including suspension)	6,000 kg	6,500 kg
	Tyre Limit	6,300 kg	
REAR	Rear Axle Model	SH16	
	Type	Fully floating, single reduction, by Hypoid gears	
		Steel Rear Suspension	Air Rear Suspension
	Suspension	Semi-elliptic leaf springs with torque rods	Four bag suspension with double-acting shock absorbers & stabiliser
	Spring Dimension Length x Width	1300 x 90 mm	
	Spring Rate	234.5 kgf/mm	
	Axle Limit	10,000 kg	
	Tyre Limit	11,600 kg	

BRAKES

Type	Full air, dual circuits, 'S' cam type, leading & trailing shoes for front and rear
Drum diameter x lining width	
Front	406.4 x 152mm
Rear	406.4 x 216mm
Air drier	Equipped
Anti-lock Brake System (ABS)	Equipped
Brake auto-shoe adjuster	Equipped
Parking brake	Spring brake acting on rear wheels
Exhaust	Electric-pneumatic control with valve in exhaust pipe
Transmission retarder	Equipped

STEERING

Type	Telescopic and tilt column with locking device, Recirculating ball with Integral Power Steering
Gearbox ratio	21.4-23.8:1



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Suspension, Tyres & Instrumentation

WHEELS & TYRES

Wheel type	Ten-stud disc wheel (ISO type) 335 PCD
Rim size	8.25 x 22 5 – offset 165mm
Tyre size	11R22.5-16PR
Number of tyres	Seven (including one spare)
Spare tyre carrier	Equipped

CHASSIS FRAM DIMENSIONS

	Steel Suspension	Air Suspension
Type	Ladder-shaped channel section side rails	
Chassis width (at rear)	870 mm	
Main section (mm) (depth x flange x thickness)	224 x 75 x 8.0	
Tensile strength	440N/mm ²	

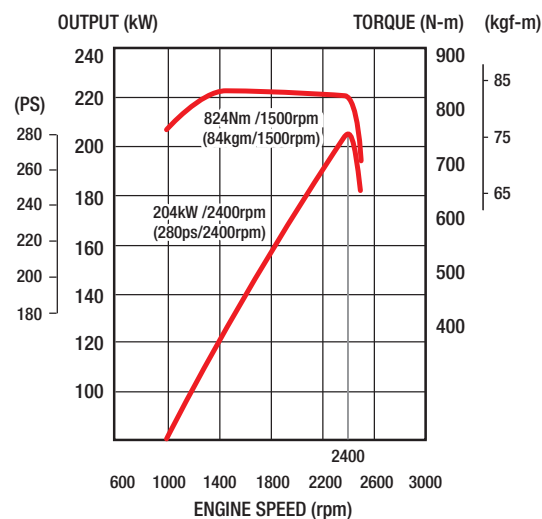
ELECTRICAL

Type	24V, negative earth
Batteries	12V x 2, series connection Capacity 150 A.h at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 90A (110A for air-con option)
Starter type	24V, 4.5kW

FUEL TANK

Capacity	250L
Fuel pre-filter and sedimenter	Equipped
Filler cap key	Equipped

POWER & TORQUE CHART (ISO Net) J08E VD



INSTRUMENTS

1. Meters & gauges

Speedometer with trip meter
Odometer
Tachometer
Fuel gauge
Coolant temperature gauge
Air pressure gauge
Tachograph 7 day cycle

2. Switches

Battery isolation switch
Battery relay switch
One-key starting-stopping
Lighting
Directional indicator, dimmer & passing
Wiper & washer
Hazard lamp
Exhaust brake & retarder switch
Fog lamp
DPR regeneration

3. Warning, pilot lamps & buzzers

Oil pressure lamp & buzzer
Air pressure lamp & buzzer
Engine over-run buzzer
Coolant level lamp & buzzer
High beam indicator lamp
Turn signal indicator lamp
Parking brake indicator lamp
Automatic transmission oil temperature indicator light
Exhaust brake indicator lamp
Retarder indicator Lamp
Engine control system lamp
Hazard indicator lamp
Auto transmission indicator lamp
Fuel filter water level lamp
Back-up buzzer

4. Others

Idle up control knob
Horn button
Economy & power button

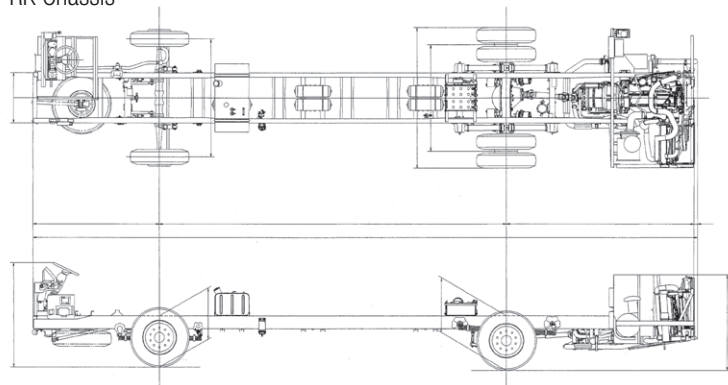


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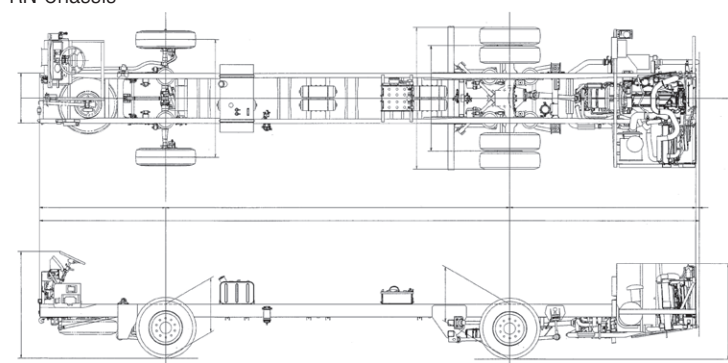
Dimensions

Bus

RK Chassis



RN Chassis



DIMENSIONS – mm/capacities

Model Hino	RK8J	RN8J
Transmission	Automatic	Automatic
Model Code	RK8JSMA-UJU	RN8JSMA-UJU
Wheelbase (WB)	6,000	
Overall Length (OL)	11,460	
Overall Width (OW)	2,450	2,430
Overall Height (OH)	1,855	1,835
Front Overhang (FOH)	2,200	
Rear Overhang (ROH)	3,225	
Front Chassis Height (FCH)	955	925
Rear Chassis Height (RCH)	995	935
Road Clearance (RC)	255	
Front Track (FT)	2,035	
Rear Track (RT)	1,840	1,820
Turning Circle Kerb to Kerb	19,000	
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance)		
Total	4,975	5,220
Front	1,055	1,185
Rear	3,920	4,035
GVM	15,000	16,000

DEALERSHIP

WARRANTY

New vehicle warranty period

Bus	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
RK8J	4 x 2	12 months/unlimited km	24 months/unlimited km

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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