

HINO

3000 Series

816 Auto



* Illustration may contain items not standard to the model

New ADR 80/03 Model Wide Cab 4 x 2 Cab Chassis

KEY FEATURES

Cruise Control
Dual SRS Airbags
Ventilated Disc Brakes Front & Rear
Anti-lock Brake System (ABS)
Vehicle Stability Control (VSC)
Rear View Camera
Anti Slip Regulator (ASR) Traction Control (TC)
Energy Absorbing Steering Wheel
ADR 80/03 Emission using Euro 5
Also meet EEV emission levels
Driver's suspension seat
ECE R-29 Cab Strength Certified

KEY SPECIFICATIONS

GVM 7300kg, optional 4495kg
GCM 7300kg
Engine 4.0-litre, Common Rail, Direct Injection,
Turbocharged and Intercooled
Power 110kW @ 2500 RPM (ISO NET)
Torque 420Nm @ 1400 RPM (ISO NET)
Wheelbase 3430mm, 3870mm
Nominal Body length 4840mm, 5550mm



816 Auto

Engine & Driveline specifications

ENGINE

Engine	Hino N04C US
Max output (ISO Net)	110kW (150 HP) @ 2500 RPM
Max torque (ISO Net)	420Nm (42.8 kgf/m) @ 1400 RPM
Maximum engine speed	3100 RPM
Type	Diesel, four cycle, four-cylinder in line, overhead valve, water cooled
Combustion system	Direct injection type
Bore & stroke	104 x 118mm
Piston displacement	4.009 litres
Fuel injection system	Electronic control, common rail type
Air intake system	Turbo-intercooled, front air intake
Air cleaner	Paper element
Fan clutch	Equipped
Exhaust system	Catalytic Converter with Diesel Particulate Active Reduction System (DPR)
Exhaust	Horizontal outlet
Emission control system	EGR & DPR meeting ADR 80/03 using Euro 5 Also meets EEV emission levels

TRANSMISSION

Auto	A860E
Type	Automatic six speed with double overdrive

BRAKES

Service brakes	Hydraulic system with ventilated disc brakes front and rear
Control	Vacuum servo with hydraulic assist & dual circuits
Front disc diameter	287mm
Rear disc diameter	287mm
Anti-lock system (ABS)	Equipped
Vehicle Stability Control (VSC)	Equipped
Traction Control (TC)	Equipped
Exhaust Brake	Electric-vacuum actuator with valve in exhaust pipe
Park Brake	Rear of transmission

PERFORMANCE & GEAR RATIOS

Engine RPM @ 100km/h	2300
Maximum speed (km/h)	135
Gradeability tan θ % @ GVM	60.0
Final drive ratio	5.125:1

A860E

1st	.3.743	5th	.0.773
2nd	.2.003	6th	.0.634
3rd	.1.343	Rev.	.3.697
4th	.1.000		

Torque convertor ratio	1.95:1
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AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model & Type	Reverse Elliot I-Beam	
	Suspension	Tapered leaf springs with shock absorbers & stabiliser	
	Spring Dimensions	1250 x 70mm	
	Number of Leafs	3	
	Spring Rate	17.3 kgf/mm	
	Axle Limit (including suspension)	3100 kg	
REAR	Tyre Limit	2800 kg	
	Rear Axle Model & Type	SH12, fully floating, single reduction, single speed by Hypoid gears	
	Suspension	Main & Aux taper leaf with shock absorber & stabiliser	
	Spring Dimensions	Main	Auxiliary
		1310 x 70mm	900 x 70mm
	Spring Rates	19 kgf/mm	95.2 kgf/mm
	Number of Leafs	3	3
	Axle Limit (including suspension)	5500 kg	
	Tyre Limit	5280 kg	

WHEEL & TYRES

Wheel type	6-stud disc wheel
Wheel & rim size	215/85R16 120/118 16x5.5
Number of tyres	Seven including spare
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 – 80 Amp
Starter capacity	24V, 4.5kW



816 Auto

Cab equipment & Instrumentation

CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width at rear	750mm
Max. section	
(depth x flange x thickness)	192.8 x 65 x 5.9mm
Tensile strength	540N/mm ²
Towing hooks	Equipped at front and rear
Front bumper	Painted to cabin colour

CAB EXTERIOR

Type	Forward control, all steel welded construction, torsion-bar tilt mechanism, fully trimmed
Windscreen wipers	Electric, dual wipers, intermittent and 2-speed
Outside rear mirrors	Remote control & heated
Radiator grille	Painted same colour as cabin
Lamps	Halogen headlamps, fog lamps

CAB INTERIOR

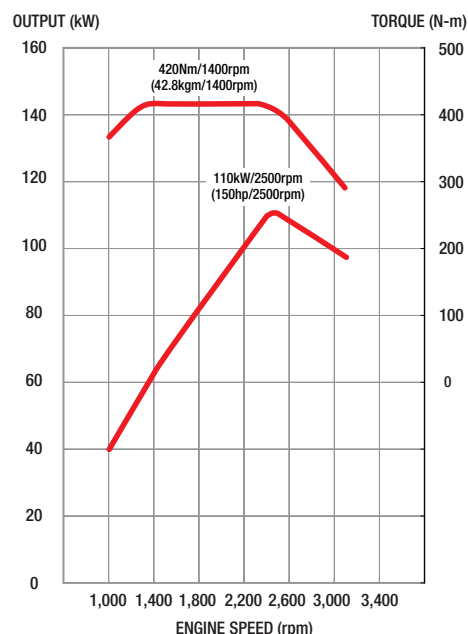
Steering	Telescopic tilt column with integral power steering
Windscreen glass	Laminated glass
Seating capacity	Three
Driver's seat	4-way adjustable, urethane foam pads, high-back seat, lumbar support & suspension base
Assistant's seat	Fixed bench, urethane foam pads, high-back seat
Seat cover	Fabric 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 Visual Unit	DAB+ AM/FM radio with CD/DVD player & Bluetooth & Rear View Camera

Heater and defroster	Equipped
Air conditioner	Equipped
Remote door locking	Equipped
Immobiliser	Equipped
Power windows	Equipped
SRS airbag	Equipped for driver & left side passenger
Drivers foot rest	Equipped (Auto models only)
Seat back console	Equipped (centre)
Overhead consoles	For driver and assistant
Cup holder	Equipped
Cruise control	Equipped

POWER & TORQUE CHART (ISO Net) N04C US



INSTRUMENTS

1. Meters and gauges

km-kg system
Engine tachometer

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
Cruise Control

3. Switches

Lighting switch
Wiper and washer switch
Exhaust brake switch
Cruise Control
Traction Control OFF

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

STEERING

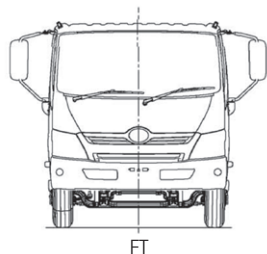
Type Telescopic and tilt steering column with locking device. Recirculating ball with integral power steering

Steering angle **Inside: 51° Outside: 36°**

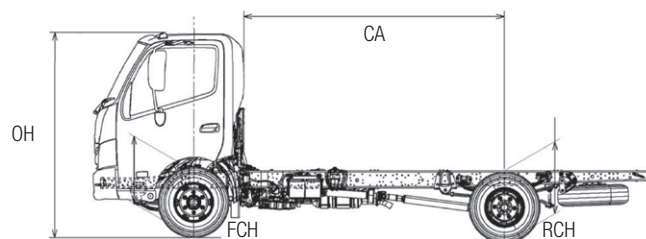
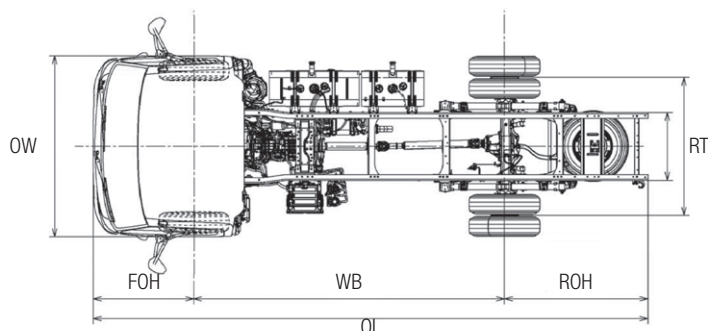


816 Auto Dimensions

300 Series



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DIMENSIONS – mm / Capacities

Model	300 Series 816 Auto	Medium	Long
Model code	XZU710R-HKTRSQ3	XZU720R-HKTRSQ3	
Nominal Max Body length (WB x .6) + CA – 80)	4840	5550	
Wheelbase (WB)	3430	3870	
Overall length (OL)	6185	6735	
Overall width (OW)	1995	1995	
Overall height (OH)	2230	2230	
Cab to rear axle centre (CA)	2870	3310	
Front overhang (FOH)	1110	1110	
Rear overhang (ROH)	1645	1750	
Front chassis height (FCH)	710	710	
Rear chassis height (RCH)	795	795	
Road clearance	190	190	
Front track (FT)	1665	1665	
Rear track (RT)	1520	1520	
Turning circle – kerb to kerb	11,600	12,800	
– wall to wall	13,000	14,200	
Locking Fuel Tank capacity (Lts)	170	170	

Indicative chassis mass – kg

(standard tools, 10 litres of fuel, spare tyre and subject to ±3% variance)

Total	2400	2455
Front	1630	1630
Rear	770	825
GVM STD	7300	7300
GVM Opt	4495	4495
GCM STD	7300	7300

GENUINE ACCESSORY OPTIONS

Bull bar	Rear vision camera (Up to 2 extra)
Chrome wheel covers	Stoneguard
GPS sat nav	Sunvisor

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

WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
300 816 Auto	4 x 2	3 years or 100,000km	36 months

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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