

# HINO

## 3000 Series

# 716 Auto

# 716 Hybrid

# 717 Manual



\* Illustration may contain items not standard to the model

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

## KEY FEATURES

- Diesel/Electric Hybrid Options
- Manual Transmission Options
- Fully Automatic Transmission Options
- Cruise Control
- Dual SRS Airbags
- Ventilated Disc Brakes Front & Rear
- Anti-lock Brake System (ABS)
- Vehicle Stability Control (VSC)
- Reverse Camera
- Traction Control (TRC)
- ADR 80/03 Emission using Euro 5
- Also meets EEV emission levels
- Drivers suspension seat
- ECE R-29 Cab Strength Certified

## KEY SPECIFICATIONS

<b>GVM.</b>	. . . . .	6,500kg, optional 4,495kg
<b>GCM.</b>	. . . . .	7,300kg to 10,000kg
<b>Power</b>	. . . . .	.110kW (150 hp) .(Auto & Hybrid)
	. . . . .	.121kW (165 hp) . . . . (Manual)
<b>Torque</b>	. . . . .	.420Nm . . . . .(Auto & Hybrid)
	. . . . .	.464Nm . . . . .(Manual)
<b>Wheelbases</b>	. . . . .	3,430mm, 3,870mm
<b>Max Nominal Body Length</b>	. . . . .	4,840mm, 5,550mm



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## Engine & Driveline specifications

### DIESEL ENGINE

Engine transmission combination	716 Auto	716 Hybrid	717 Manual
Engine model	N04C US	N04C UR	N04C UT
Max output (ISO Net) @ 2,500 RPM	110kW/150 hp		121kW/165 hp
Max torque (ISO Net) @ 1,400 RPM	420Nm		464Nm
Maximum engine speed	3,100 RPM		
Type	Diesel, four-cylinder, OHV, fluid 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, stack-type air intake		
Air cleaner	Paper element		
Fan clutch	Equipped		
Exhaust system	Catalytic Converter with Diesel Particulate Active Reduction System (DPR)		
Exhaust outlet	Horizontal		
Emission control system	EGR & DPR meeting ADR 80/03 using Euro 5 Also meets EEV emission levels		

### HYBRID DRIVE SYSTEM

Motor type	AC Synchronous motor
Rated voltage	300V
Max output	36kW
Max torque	333Nm
Idle stop	Equipped
Battery type	Nickel-metal hydride
Battery capacity	288V/6.5Ah

### CLUTCH

	Hybrid	Manual
Clutch type	Dry single plate, diaphragm type with damper springs	
Facing outside diameter	300mm	325mm
Facing lining area	423cm <sup>2</sup> x 2	483cm <sup>2</sup> x 2
Control	Electronic with transmission	Hydraulic with vacuum booster

### TRANSMISSION

	716 Auto	716 Hybrid	717 Manual
Model	A860E	M550 ProShift 5	MZZ6F
Description	Full Automatic	Automated Manual	Manual
Number of forward gears	6	5	6
Type	Double Overdrive	Single Overdrive	Single 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 (TRC)	Equipped
Easy Start system (ES)	Equipped (except auto)
Exhaust brake	Electric-vacuum actuator with valve in exhaust pipe
Park brake	Drum on the rear of transmission

### PERFORMANCE & GEAR RATIOS

Models	716 Auto	716 Hybrid	717 Manual	
Engine RPM @ 100km/h	2,160	2,250	2,390	
Maximum speed (km/h)	138	134	126	
Gradeability tan $\theta$ % @ GVM	60	37.4	57.4	
Final drive ratio	4.875:1	4.333:1	4.333:1	
Transmission Gear Ratios	1st	3.743	4.981	6.369
	2nd	2.003	2.911	3.767
	3rd	1.343	1.556	1.966
	4th	1.000	1.000	1.355
	5th	0.773	0.738	1.000
	6th	0.634		0.782
	Rev	3.697	4.625	6.369
Torque convertor ratio	1.95:1			

### AXLE, SUSPENSION & LOAD LIMITS

	Front Axle Model & Type	Reverse Elliot I-Beam	
FRONT	Suspension	Tapered leaf springs with shock absorbers & stabiliser	
	Spring Dimensions	1,250 x 70mm	
	Number of Leafs	3	
	Spring Rate	14.8kgf/mm	
	Axle Limit (including suspension)	3,100kg	
	Tyre Limit	2,570kg	
	REAR	Rear Axle Model & Type	SH12, fully floating, single reduction, single speed by Hypoid gears
Suspension		Main & Aux Tapered leaf with shock absorber & stabiliser	
Spring		Main	Auxiliary
Dimensions		1,300 x 70mm	900 x 70mm
Spring Rates		19kgf/mm	62kgf/mm
Number of Leafs		3	2
Axle Limit (including suspension)		5,100kg	
Tyre Limit		4,860kg	

### WHEEL & TYRES

Wheel type	6-stud disc wheel
Wheel & rim size	205/85R16 117/115 & 16x5.5K-113mm
Number of tyres	Seven including spare
Spare tyre carrier	Equipped

### ELECTRICAL (CAB & CHASSIS)

Type	24 volt, negative earth
Batteries	12V x 2, series connected
Charging (80 amp)	Alternator with built in rectifier (Auto & Manual)
Charging (80 amp)	Supplied by Hybrid System (Hybrid)
Starter	24V, 4.5kW starter motor (Auto & Manual)
Starter	Supplied by Hybrid System (Hybrid)



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## Cab equipment & Instrumentation

### CHASSIS FRAME

Wheelbase	Medium	Long
Type	Ladder-shaped channel section side rails	
Chassis width at rear	750mm	
Main section in mm (depth x flange x thickness)	192.8 x 65 x 5.9mm	
Tensile strength	540N/mm <sup>2</sup>	
Tow hook (front & rear)	Equipped	
Front bumper	Painted in cab colour	

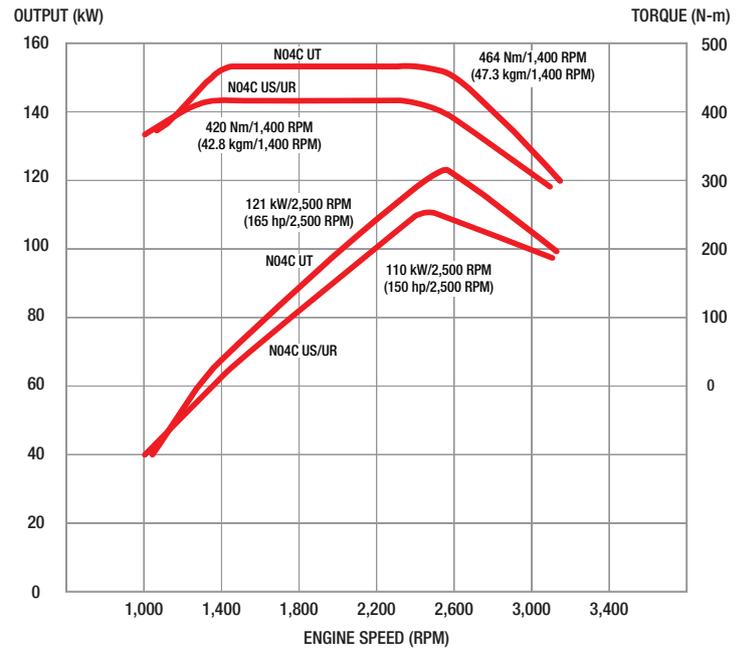
### CAB EXTERIOR

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
Headlamp	HID with washer & fog lamp (Hybrid) Halogen & fog lamp (Auto & Manual)

### 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, lumbar support with 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	
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 airbag	Equipped for driver and 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/UR & UT



### INSTRUMENTS

<b>Meters and gauges</b>	<b>Switches</b>
km-kg system	Lighting
Engine tachometer	Wiper and washer
Hybrid battery status (hybrid only)	Exhaust brake
<b>Warning, pilot lamps and buzzers</b>	Easy Start (except auto)
Turning signal & hazard indicator lamp	Easy Start timing adjuster (except auto)
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 level warning lamp	2 trip meters
Brake fluid level warning lamp	Fuel consumption
Back-up warning buzzer	- Current
Cab-tilt warning lamp	- Average
ABS system failure warning lamp	<b>Others</b>
SRS airbag system failure warning lamp	Horn button
Easy Start indicator lamp (except auto)	Remote door locking
Cruise Control	
Hybrid system lamp (hybrid only)	
AMT system lamp (hybrid only)	

### STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with integral power steering.	
Steering angle	Inside: 50°	Outside: 36°

### 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

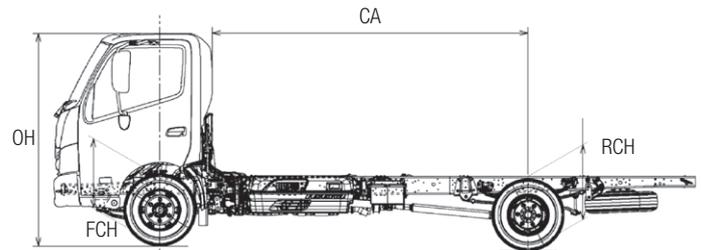
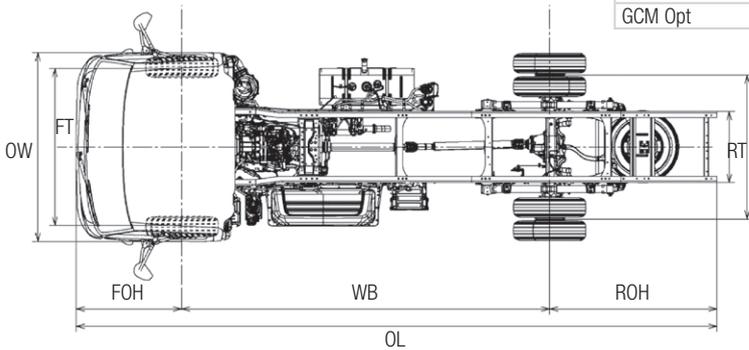
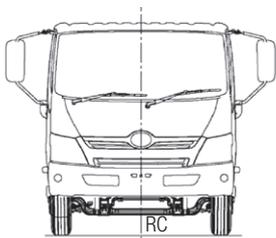
Please check with your dealer for price, availability & fitment for these options



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# 300 Series

## Dimensions



### DIMENSIONS – MM / CAPACITIES

Models 300	716 Auto	716 Hybrid ProShift 5		717 Manual	
	Medium	Medium	Long	Medium	Long
Model Code	XZU710R-HKTQSQ3	XKU710R-HKUQSQ3	XKU720R-HKUQSQ3	XZU710R-HKFQTQ3	XZU720R-HKFQTQ3
Nominal Body Length ((WBx.6)+CA-80)	4,840	4,840	5,550	4,840	5,550
Wheelbase (WB)	3,430	3,430	3,870	3,430	3,870
Overall Length (OL)	6,185	6,185	6,735	6,185	6,735
Overall Width (OW)	1,995	1,995	1,995	1,995	1,995
Overall Height (OH)	2,205	2,205	2,200	2,205	2,190
Cab to Rear Axle Centre (CA)	2,870	2,870	3,310	2,870	3,310
Front Overhang (FOH)	1,110	1,110	1,110	1,110	1,110
Rear Overhang (ROH)	1,645	1,645	1,760	1,645	1,760
Front Chassis Height (FCH)	695	695	690	695	695
Rear Chassis Height (RCH)	760	755	760	760	760
Road Clearance (RC)	180	180	180	180	180
Front Track (FT)	1,665	1,665	1,665	1,665	1,665
Rear Track (RT)	1,520	1,520	1,520	1,520	1,520
Turning Circle	Kerb to Kerb	11,600	11,600	12,800	11,600
	Wall to Wall	13,000	13,000	14,200	13,000
Locking Fuel Tank Capacity (Lts)	170	100	100	170	170
Indicative chassis mass – kg (standard tools, 10 litres of fuel, spare tyre and subject to a +/- 3% tolerance)					
Total	2,375	2,520	2,530	2,365	2,380
Front	1,635	1,700	1,725	1,635	1,645
Rear	740	820	805	730	730
GVM STD	6,500	6,500	6,500	6,500	6,500
GVM Opt	4,495	4,495	4,495	4,495	4,495
GCM STD	7,300	10,000	10,000	10,000	10,000
GCM Opt	7,300	7,995	7,995	7,995	7,995

Drawings are for reference only to the table. For specific chassis layouts please refer to Body Mounting Manual drawings.

### WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation	Hybrid Nickel metal Hydride Battery (whichever comes first)
300 716 & 717	4 x 2	3 years or 100,000km	36 months	5 years or 160,000km

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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