

HINO

3000 Series

916 Hybrid 917 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
- Cruise Control
- Dual SRS Airbags
- Ventilated Disc Brakes Front & Rear
- Anti-lock Brake System (ABS)
- Vehicle Stability Control (VSC)
- ADR 80/03 Emission using Euro 5
- Also meets EEV emission levels
- Drivers suspension seat
- ECE R-29 Cab Strength Certified

KEY SPECIFICATIONS

GVM.	. . . . .	7,995kg, optional 8,500kg
GCM.	. . . . .	11,500kg, optional 12,000kg
Power	. . . . .	.110kW (150 HP) . . . (Hybrid)
	. . . . .	.121kW (165 HP) . . . (Manual)
Torque.	. . . . .	.420Nm (Hybrid)
	. . . . .	.464Nm (Manual)
Wheelbases	3,430mm, 3,870mm, 4,200mm
Nominal Body Length	4,840mm, 5,500mm, 6,080mm



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Engine & Driveline specifications

DIESEL ENGINE

Engine transmission combination	916 Hybrid	917 Manual
Engine model	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/42.8 kgf/m	464Nm/47.3 kgf/m
Maximum engine speed	3,100 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, stack-type air intake	
Air cleaner	Paper element	
Fan clutch	Equipped	
Exhaust system	Catalytic Convertor 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	423 x 2cm ²	483 x 2cm ²
Control	Electronic with transmission	Hydraulic with vacuum booster

TRANSMISSION

	916 Hybrid	917 Manual
Model	M550 ProShift 5	MZZ6F
Description	Automated Manual	Manual
Number of forward gears	5	6
Type	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 (TC)	Equipped
Easy Start system (ES)	Equipped
Exhaust brake	Electric-vacuum actuator with valve in exhaust pipe
Park brake	Drum on the rear of transmission

PERFORMANCE & GEAR RATIOS

Models	916 Hybrid	917 Manual	
Engine RPM @ 100km/h	2,600	2,600	
Maximum speed (km/h)	120	119	
Gradeability tan θ % @ GVM	31.2	43.7	
Final drive ratio	5.142:1	4.875:1	
Transmission Gear Ratios	1st	4.981	6.369
	2nd	2.911	3.767
	3rd	1.556	1.966
	4th	1.000	1.355
	5th	0.738	1.000
	6th		0.782
	Rev	4.625	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	1,250 x 70mm	
	Number of Leafs	3	
	Spring Rate	17.3kgf/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 & stabiliser	
	Spring	Main	Auxiliary
	Dimensions	1,300 x 70mm	900 x 70mm
	Spring Rates	23.1kgf/mm	92kgf/mm
	Number of Leafs	3	4
	Axle Limit (including suspension) (kg)	6,200	
	Tyre Limit (kg)	6,000	

WHEEL & TYRES

Wheel type	6-stud disc wheel
Wheel & rim size	225/80R17.5 123/122 & 17.5x6.00-127mm
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 (Manual) Supplied by Hybrid System (Hybrid)
Starter	24V, 4.5kW starter motor (Manual) Supplied by Hybrid System (Hybrid)



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Cab equipment & Instrumentation

CHASSIS FRAME

Wheelbase	Medium	Long	X 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 ²		
Tow hook (front & rear)	Equipped		
Front bumper	Painted in cab colour		

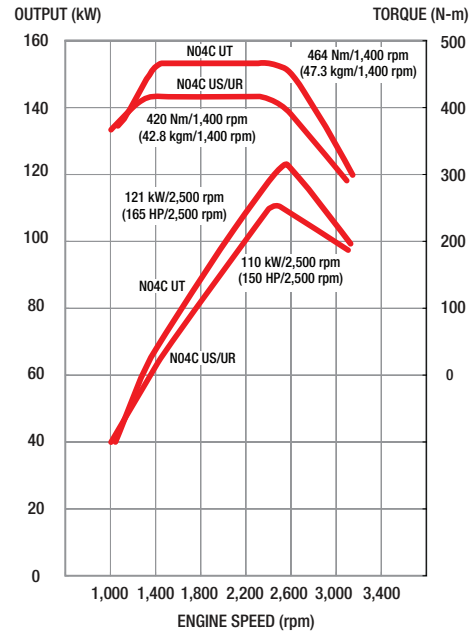
CAB EXTERIOR

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, & two convex spotters
Radiator grille	Painted same colour as cabin
Headlamp	HID with washer & fog lamp (Hybrid) Halogen & fog lamp (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
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 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

- Meters and gauges**
 - km-kg system
 - Engine tachometer
 - Hybrid battery status (hybrid only)
- 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
 - Hybrid system lamp (hybrid only)
- Switches**
 - Lighting switch
 - Wiper and washer switch
 - Exhaust brake switch
 - Easy Start switch
 - Easy Start release timing adjuster switch
 - Cruise Control
 - Traction Control OFF
- Multi Information Display**
 - Fuel gauge
 - Coolant temperature gauge
 - DPR accumulation gauge
 - Odometer
 - 2 trip meters
 - Fuel consumption
 - Current
 - Average
- 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: 44° Outside: 34°

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



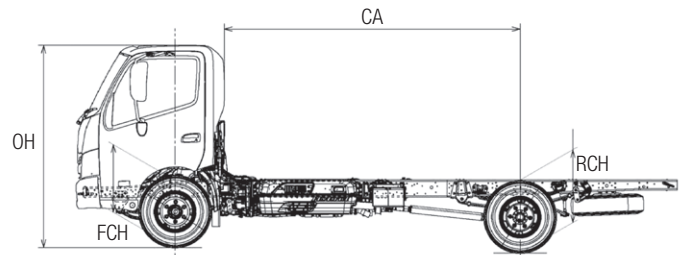
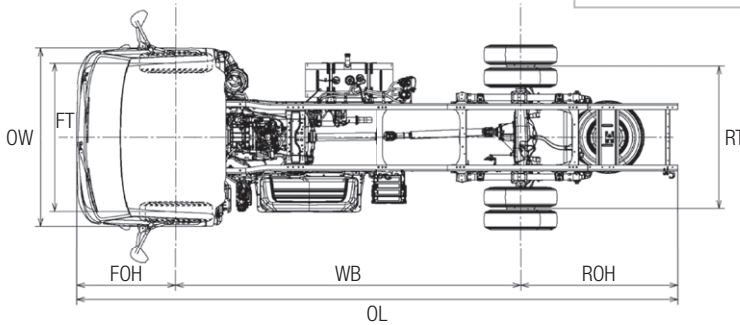
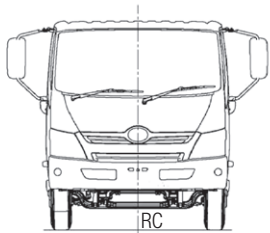
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Dimensions

300 Series

DIMENSIONS – mm / Capacities

Models 300	916 Hybrid ProShift 5		917 Manual		
	Medium	Long	Medium	Long	X Long
Model Code	XKU710R-HKUTSQ3	XKU720R-HKUTSQ3	XZU710R-HKFTTQ3	XZU720R-HKFTTQ3	XZU730R-HKFTTQ3
Nominal Body Length (WBx.6)+CA-80	4,840	5,550	4,840	5,550	6,080
Wheelbase (WB)	3,430	3,870	3,430	3,870	4,200
Overall Length (OL)	6,185	6,735	6,185	6,740	7,285
Overall Width (OW)	2,060	2,060	2,060	2,060	2,060
Overall Height (OH)	2,235	2,235	2,240	2,235	2,235
Cab to Rear Axle Centre (CA)	2,870	3,310	2,870	3,310	3,640
Front Overhang (FOH)	1,110	1,110	1,110	1,110	1,110
Rear Overhang (ROH)	1,645	1,760	1,645	1,760	1,940
Front Chassis Height (FCH)	725	725	725	725	725
Rear Chassis Height (RCH)	815	815	815	815	815
Road Clearance (RC)	200	200	200	200	200
Front Track (FT)	1,655	1,655	1,655	1,655	1,655
Rear Track (RT)	1,590	1,590	1,590	1,590	1,590
Turning Circle Kerb to Kerb	12,400	13,800	12,400	13,800	14,800
Wall to Wall	13,800	15,200	13,800	15,200	16,200
Locking Fuel Tank Capacity (Lts)	100	100	170	170	170
Indicative chassis mass – kg (standard tools, 10 litres of fuel, spare tyre and subject to a ± 3% tolerance)					
Total	2,615	2,630	2,460	2,475	2,510
Front	1,705	1,735	1,640	1,650	1,665
Rear	910	895	820	825	845
GVM STD	7,995	7,995	7,995	7,995	7,995
GVM Opt	8,500	8,500	8,500	8,500	8,500
GCM STD	11,500	11,500	11,500	11,500	11,500
GCM Opt	12,000	12,000	12,000	12,000	12,000



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)
300 916 & 917	4 x 2	3 years or 100,000km	36 months	5 years or 160,000km

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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HS300916917-0615