HINO 300 Series

Tipper Range

Standard and Wide Cab Models

* Illustration may contain items not standard to the model

ADR 80/03 Model
300 Series Tipper Range

KEY FEATURES

Factory Tipper Bodies
Cruise Control
Dual SRS Airbags
Ventilated Disc Brakes Front and Rear
Anti-lock Brake System (ABS)
Vehicle Stability Control (VSC)
Reverse Camera
Traction Control (TC)
Manual & Automatic Transmission Variants
Easy Start (Manual Model Only)
ADR 80/03 Emission using Euro 5
Also meets EEV emission levels
Driver Suspension seat (Wide Cab only)
ECE R-29 Cab Strength Certified (Wide Cab only)

KEY SPECIFICATIONS

GVM Range	4495 to 8500kg
GCM Range	7300 to 12000kg
Power	110 kW (Auto & STD Cab)
	121 kW (Wide Man)
Torque	420 Nm (Auto & STD Cab)
	464 Nm (Wide Man)
Transmissions	6 Speed Auto (STD & Wide Cab)
	5 Speed Manual (STD Cab)
	6 Speed Manual (Wide Cab)
Tipper Volume	$1.9m^3$, $2.1m^3$, $3.0m^3$
Tipper Length	3.0m, 3.1m, 3.6m

Tipper Range

Engine & Driveline Specifications

ENGINE

Model	N04CUS Auto & STD Cab	N04CUT Wide Cab Manual
Max output ISO Net @ 2500 rpm	110 kW (150 HP)	121 kW (165 HP)
Max Output ISO Net @ 1400rpm	420 Nm	464 Nm
Max Engine Speed	3100 rpm	
Type	Diesel 4 cycle 4 cylinder in line overhead valve, water cooled	
Combustion System	Direct injection type	
Bore & Stroke	104 mm x 118 mm	
Piston displacement	4.009 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	
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	423cm^2 x 2
Control	Hydraulic with vacuum booster

TRANSMISSION

Auto	A860E Full automatic 6 speed with double overdrive
Manual (Wide Cab)	MZZ6F 6 speed synchromesh with single overdrive
Manual (STD Cab)	M550 5 speed manual with single overdrive

BRAKES

Service	Hydraulic system with ventilated disc brakes front and rear
Control	Vacuum servo with hydraulic assist & dual circuits
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

For performance data, see the table on the back page.

A860E Automatic transmission (STD & Wide Cab)

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

MZZ6F Manual transmission (Wide Cab)

1st	6.369	5th	1.000
2nd	3.767	6th	0.782
3rd	1.966	Rev.	6.369
4th	1.355		

M550 Manual transmission (Std Cab)

1st	4.981	4th	1.000
2nd	2.911	5th	0.738
3rd	1.556	Rev.	4.625

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

CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width at rear	750mm (Wide Cab) 700mm (STD Cab)
Tensile strength	540N/mm^2 (Wide Cab) 440N/mm^2 (STD Cab)
Towing hooks	Equipped at front and rear

STEERING

Wide Cab	Recirculating Ball with integral Power steering
STD Cab	Rack & pinion with Power Steering

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 and heated & two convex spotters
Radiator grille	Painted same colour as cabin
Lamps	Halogen headlamps and fog lamps

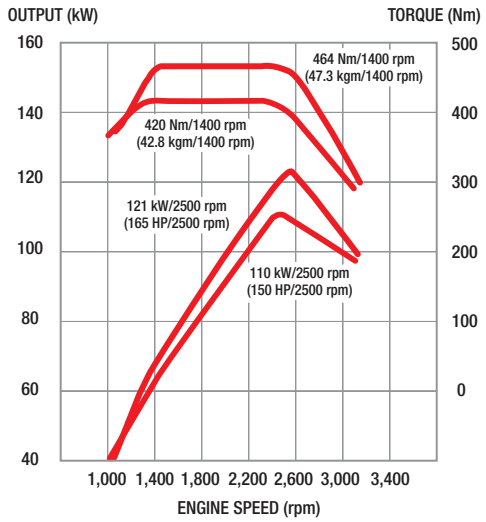
Tipper Range

Cab Equipment, Power Charts & Body Details

CAB INTERIOR

Steering	Telescopic tilt column with integral power steering
Windscreen glass	Laminated glass
Seating capacity	Three
Driver's seat (Wide Cab)	4-way adjustable, urethane pads, high-back, lumbar support with suspension base
(STD Cab)	2-way adjustable, with urethane foam pads
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
Audio Visual Unit	DAB+ AM/FM radio with CD & DVD player & Bluetooth & Reverse Camera Display
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)
Seat back console	Equipped (Wide Cab only)
Overhead consoles	For driver and assistant
Cup holder	Equipped
Cruise control	Equipped

COMBINED POWER & TORQUE CHART (ISO NET) N04C UT & N04C US



TIPPER BODY DETAILS

Model	616 IFS Auto & Manual	616 Auto & 617 Manual	716 Auto & 717 Manual	917 Manual
Capacity	1.9m³	2.1m³	3.0m³	
Body Length	3.0m	3.1m	3.6m	
Body Width	1750mm	1900mm	2000mm	
Body Side Height	370mm		430mm	
Tipping Angle (deg)	60		55	
Deck Plate Thickness	3.2mm			4.5mm
Front Plate Thickness	3.2mm		2.3mm	3.2mm
Side & Tailgate Thickness	2.3mm			3.2mm
Hydraulic Cylinder Bore & Stroke	100 x 350mm		100 x 480mm	
PTO	On transmission			
Hydraulic Pump Type	Gear type			
Model	VC02-04 (Auto) VC02-03 (Man)	VC02-06	VC03-15	
PTO & Tip Control	Lever in cab			
Drop sides	Standard			
Tailgate	Hinged from top			

INSTRUMENTS

1. Meters and gauges
km-kg system
Engine tachometer
Speedometer
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
Easy Start indicator lamp*
Cruise Control
PTO Engaged

3. Switches
Lighting switch
Wiper and washer switch
Exhaust brake switch
Easy Start switch*
Easy Start release timing adjuster switch*
Cruise Control
Traction Control OFF
PTO Engaged
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
Tipper control lever

* Easy start components are for Manual models only

Tipper Range Dimensions

300 Series

DIMENSIONS - mm / Capacities

Models		616 IFS Tipper	616 Auto IFS Tipper	616 Auto Tipper	617 Tipper	716 Auto Tipper	717 Tipper	917 Tipper
Product Code		XZU 605R-HKMMSQ3 D	XZU 605R-HKTMSQ3 D	XZU700R-HKTMSQ3 D	XZU700R-HKFMTQ3 D	XZU710R-HKTQSQ3 D	XZU710R-HKFQTQ3 D	XZU710R-HKFTTQ3 D
Chassis Max Section Depth x Flange x Thickness		180 x 65 x 6.0	177.8 x 60 x 4.9	190.8 x 65 x 4.9	190.8 x 65 x 4.9	192.8 x 65 x 5.9	192.8 x 65 x 5.9	192.8 x 65 x 5.9
Turning Circle	Kerb to Kerb	9600	9600	9800	9800	11600	11600	12400
	Wall to Wall	11000	11000	11200	11200	13000	13000	13800
Load Rating	Front Axle	2180	2180	2360	2360	2570	2570	3100
	Rear Axle	4120	4120	4400	4400	4860	4860	6000
Wheelbase		2525	2525	2810	2810	3430	3430	3430
Overall length		4760	4760	5105	5105	5860	5860	5880
Width	Cab	1695	1695	1995	1995	1995	1995	1995
	Body	1880	1880	2030	2030	2130	2130	2130
Height		2100	2100	2200	2200	2230	2230	2260
Fuel Tank Capacity		80 lts	80 lts	100 lts	100 lts	170 lts	170 lts	170 lts
Performance Data								
Max Theoretical Speed		120 km/h	130 km/h	140 km/h	131 km/h	142 km/h	131 km/h	119 km/h
Engine speed @ 100 km/h		2600 rpm	2250 rpm	2250 rpm	2400 rpm	2200 rpm	2400 rpm	2600 rpm
Wheels & Tyres		185/85R 16	185/85R 16	195/85R 16	195/85R 16	215/85R 16	215/85R 16	225/80R 17.5
Final Drive Ratio		4.625 : 1	4.625 : 1	4.625 : 1	4.1:1	4.875 : 1	4.3: 1	4.875 : 1
Approx Mass – kg	Total	2690	2740	3050	3030	3435	3420	3460
	Front	1448	1478	1699	1699	1801	1801	1826
	Rear	1242	1262	1351	1331	1629	1619	1814
	GVM STD	4495	4495	4495	4495	6500	6500	7995
	OPT	5500	5500	5500	5500	4495	4495	8500
	GCM STD	7995	7300	7300	7995	7300	10000	11500
	OPT	9000	7300	7300	9000	7300	7995	12000

Approximate mass includes standard tools, 10 litres of fuel, spare tyre and is subject to a +/– 3% variance

WARRANTY

New vehicle warranty period

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

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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