

NEW

300
SERIES

616 Short Auto IFS



* Illustration may contain items not standard to the model

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

KEY FEATURES

- Dual SRS Airbags
- Disc Brakes
 - Front & Rear
 - ABS, VSC & TRC – all STD
- Energy Absorbing Steering Wheel
- ADR 80/03 Emission using Euro 5
- Also meet EEV emission levels

KEY SPECIFICATIONS

GVM	. . . . .	.4495kg, optional 5500kg
GCM	. . . . .	7300kg
Engine	. . . . .	4.0-litre, Common Rail, Direct Injection, Turbocharged and Intercooled
Power	. . . . .	110kW (150PS) @ 2500 RPM (ISO NET)
Torque	. . . . .	420Nm @ 1400 RPM (ISO NET)
Wheelbase	. . . . .	2525mm
Nominal Max Body length	. . . . .	.3460mm





616 Short Auto IFS

Engine & Driveline specifications

ENGINE

Engine	Hino N04C US
Max output (ISO Net)	110kW (150 PS) @ 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 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

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	296mm
Rear disc diameter	281mm
Anti-lock system (ABS)	Equipped
Vehicle Stability Control	Equipped
Traction Control	Equipped
Exhaust Brake	Electric-vacuum actuator with valve in exhaust pipe
Park Brake	Rear of transmission

PERFORMANCE & GEAR RATIOS

Engine RPM @ 100km/h	2250
Maximum speed (km/h)	139
Gradeability tan θ % @ GVM	60.0
Final drive ratio	4.625:1

A860E

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

AXLE LOAD & TYRE LOAD LIMITS

Front axle	2600kg
Tyres	2180kg
Rear axle	4400kg
Tyres	4120kg
Front axle type	Independent coil
Rear axle type	SH12 full-floating, single reduction, single speed by Hypoid gears

SUSPENSION

Front suspension

Independent	Double wishbone independent with coil springs, shock absorbers & stabiliser
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Rear suspension

Leaf	Semi-elliptic main and auxiliary tapered leafsprings with silencers and shock absorbers
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Spring dimensions, span & width	1310mm x 70mm
Auxiliary springs	900mm x 70mm

WHEEL & TYRES

Wheel type	5-stud disc wheel
Wheel & rim size	185/85R16 111/109
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



616 Short Auto IFS

Cab equipment & Instrumentation

CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width at rear	700mm
Max. section (depth x flange x thickness)	177.8 x 60 x 4.9mm
Tensile strength	440N/mm ²
Towing hooks	Equipped at front and rear
Front bumper	Painted to cabin colour

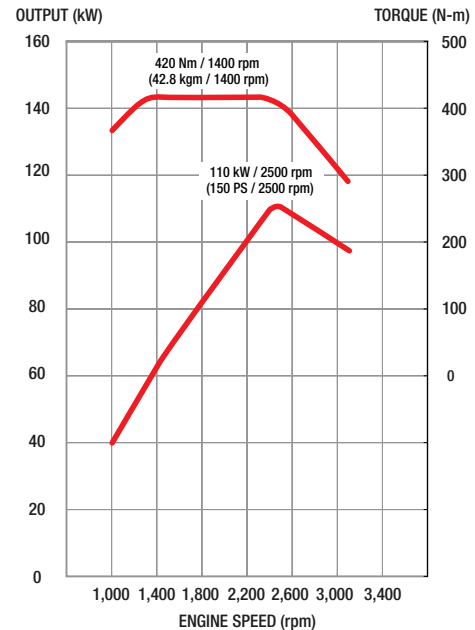
CAB EXTERIOR

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	2-way adjustable, urethane foam pads, high-back seat
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 & left side passenger
Seat back console	Equipped (centre)
Overhead consoles	For driver and assistant
Cup holder	Equipped

POWER & TORQUE CHART (ISO Net) N04C US



INSTRUMENTS

- | | |
|---|-------------------------------------|
| 1. Meters and gauges | 3. Switches |
| km-kg system | Lighting switch |
| Engine tachometer | Wiper and washer switch |
| 2. Warning, pilot lamps and buzzers | Exhaust brake switch |
| Turning signal & hazard indicator lamp | Traction Control OFF |
| Exhaust brake indicator lamp | 4. Multi Information Display |
| Engine oil pressure warning lamp | Fuel gauge |
| Battery charge warning lamp | Coolant temperature gauge |
| High beam indicator lamp | DPR accumulation gauge |
| Parking brake indicator lamp | Odometer |
| Engine malfunction indicator lamp | 2 trip meters |
| Fuel level warning lamp | Fuel consumption |
| Fuel filter water accumulating level warning lamp | - Current |
| Brake fluid level warning lamp | - Average |
| Back-up warning buzzer | 5. Others |
| Cab-tilt warning lamp | One-key starting-stopping |
| ABS system failure warning lamp | Horn button |
| SRS airbag system failure warning lamp | Remote door locking |

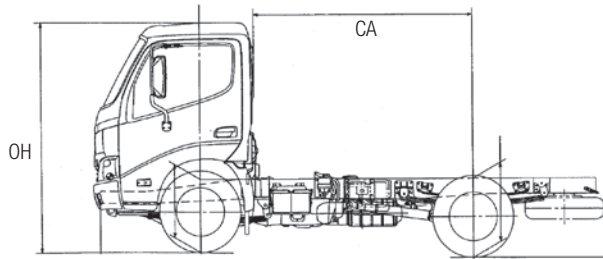
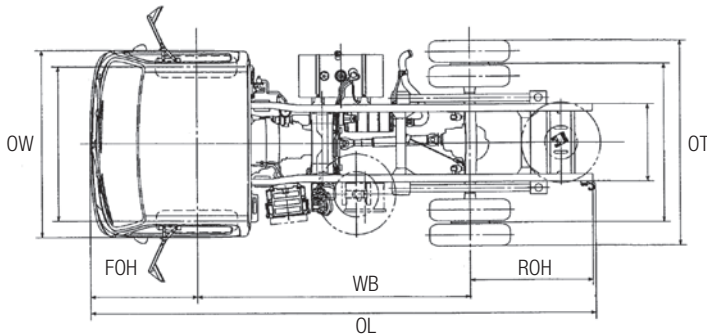
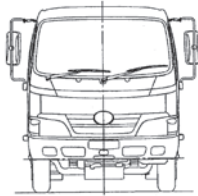
STEERING

Type	Telescopic and tilt steering column with locking device. Rack and pinion with integral power steering
Steering angle	Inside: 39° Outside: 29°



616 Short Auto IFS

Dimensions



DIMENSIONS – mm / Capacities

Model	616 Short Auto IFS
Product code	XZU605R-HKTMSQ3
Wheelbase (WB)	2525
Nominal Max Body length	3460
Overall tyre width (OT)	1845
Overall length (OL)	4710
Overall width (OW)	1695
Overall height (OH)	2095
Front track	1400
Rear track	1435
Cab to axle centre (CA)	2025
Front overhang (FOH)	980
Rear overhang (ROH)	1135
Front chassis height	655
Rear chassis height	695
Road clearance	170
Turning circle – m (kerb-to-kerb)	9.6
Turning circle – m (wall-to-wall)	11.0
Fuel tank - lt	80
Indicative chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)	
Total	2015
Front	1395
Rear	620
GVM*	5500
GCM	7300

*Std GVM = 4495 OPT 5500

GENUINE ACCESSORY OPTIONS

- | | |
|------------------------------|-------------|
| Bull bar | Roof scoop |
| Chrome wheel covers | Side skirts |
| GPS sat nav | Stoneguard |
| Rear vision camera (up to 3) | 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
300 616 Short Auto IFS	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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