



300
414



KEY FEATURES

- Driver's SRS Airbag
- ABS Brakes with Electronic Brakeforce Distribution
- ADR 80/02 Compliant
- Ventilated Disc Front Brakes
- Corner Turning Lamps
- Energy Absorbing Steering Wheel

KEY SPECIFICATIONS

- GVM** 4495kg
- GCM** 7300kg
- Engine** . . . 4.0-litre, Common Rail, Direct Injection,
. Turbocharged and Intercooled
- Power** 100kW @ 2700rpm (ISO)
- Torque** 358Nm @ 1800rpm (ISO)
- Wheelbase** 2525mm



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Engine, Driveline & Chassis specifications

ENGINE

Engine	Hino N04C TU
Max output (ISO Net)	100kW at 2700rpm
Max torque (ISO Net)	358Nm at 1800rpm
Maximum engine speed	3200rpm
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
Catalytic converter	Equipped
Exhaust outlet	Horizontal

TRANSMISSION

Short & Medium	M550
Type	Five-speed overdrive manual
Clutch type	Dry single plate, diaphragm type with damper springs
Facing outside diameter	325mm
Facing lining area	483 x 2cm ²
Control	Hydraulic with vacuum booster
Auto	A860E
Type	Six-speed electronically controlled overdrive automatic with torque converter lock-up on 2nd, 3rd, 4th, 5th and 6th gears
Hill Descent Control	Equipped

BRAKES

Service brakes	Hydraulic system with ventilated disc brake for front and drum brake for rear with automatic adjuster
Control	Vacuum servo with hydraulic assist & dual circuits
Front disc diameter	296mm
Rear drum size	320mm x 83mm
Anti-lock system (ABS)	Equipped
Electronic Brakeforce Distribution (EBD)	Equipped
Exhaust Brake	Electric-vacuum actuator with valve in exhaust pipe

PERFORMANCE & GEAR RATIOS

Maximum speed (km/h) 119 (Manual), 132 (Auto)
 Gradeability tan θ % 52.1 (Manual), 60.0 (Auto)

M550

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

A860E

1st . . . . .	.3.742	5th . . . . .	.0.773
2nd . . . . .	.2.003	6th . . . . .	.0.634
3rd . . . . .	.1.343	Rev. . . . .	.3.697
4th . . . . .	.1.000		

Final drive ratio (Manual) 5.125:1
 (Auto) 5.375:1

AXLE LOAD & TYRE LOAD LIMITS

Front axle	2600kg
Tyre	2180kg
Rear axle	4400kg
Rear axle tyre rating	2800kg
Front axle type	Reversed Elliot, "I" section beam
Rear axle type	B265, full-floating, single reduction, single speed by Hypoid gears

SUSPENSION

Front suspension	Semi-elliptic tapered leaf springs with silencers, shock absorbers and stabiliser bar
Spring dimensions, span & width	1250mm x 70mm
Rear suspension	Semi-elliptic main and auxiliary tapered leaf springs with silencers and shock absorbers
Spring dimensions, span & width	2100mm x 70mm
Auxiliary springs	860mm x 70mm

WHEEL & TYRES

Wheel type	5-stud disc wheel
Front wheel & rim size	185/85R16 111/109 & 16x5.5K-113mm
Rear wheel & rim size	215/85R16 120/118 & 16x5.5K-113mm
Number of tyres	Five 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 – 60-A
Starter capacity	24V, 4.5kW



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Cab equipment & Instrumentation



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	Two, movable flat type
Radiator grille	Painted same colour as cabin
Lamps	Halogen headlamps, cornering lamps, fog lamps

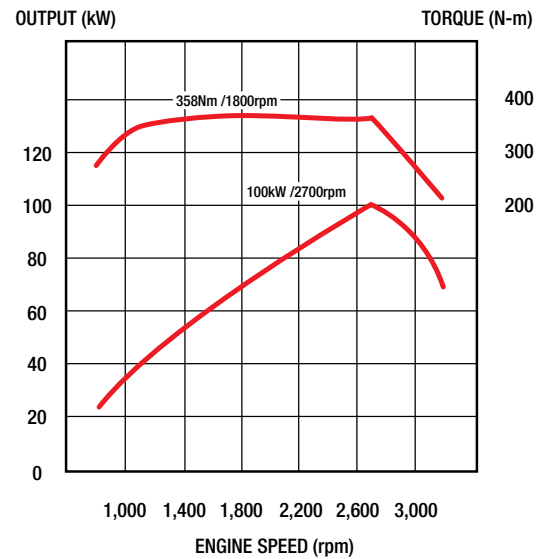
CAB INTERIOR

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, 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
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	AM/FM radio with CD player
Heater and defroster	Equipped
Air conditioner	Equipped
Auto door lock	Equipped
Power windows	Equipped
SRS airbag	Equipped for driver
Seat back console	Equipped (centre)
Overhead consoles	For driver and assistant
Ash tray: 2-pcs	Equipped
Door pockets (both sides)	Equipped
Assist grip	Equipped
Coat hook	Equipped
Card holder	Equipped
Pen holder	Equipped
Cup holder	Equipped

POWER & TORQUE CHART (ISO Net)



CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width at rear	700mm
Max. section (depth x flange x thickness)	180 x 65 x 6.0mm
Tensile strength	440N/mm ²
Towing hooks	Equipped at front and rear
Front bumper	Painted to cabin colour

INSTRUMENTS

1. Meter and gauges

- km-kg system
- Speedometer
- Fuel gauge
- Coolant temperature gauge
- Engine tachometer

2. Switches

- Lighting
- Directional indicator, dimmer, passing
- Room lamp
- Hazard lamp
- Wiper and washer
- Exhaust brake

3. Warning lamps and buzzers .

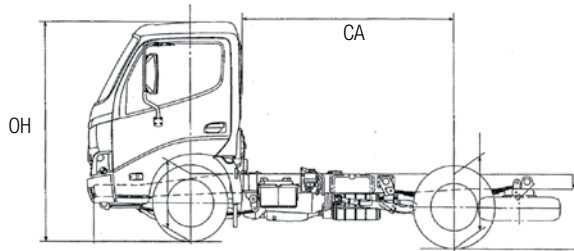
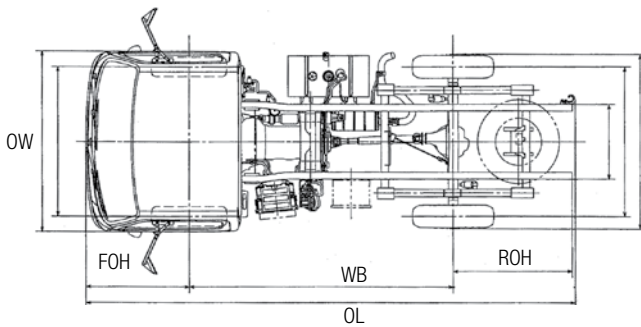
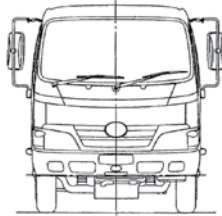
- Turning signal & hazard indicator lamp
- Exhaust brake indicator lamp
- Engine oil pressure lamp
- Battery charge lamp
- Beam indicator lamp
- Parking brake indicator lamp
- Engine malfunction indicator lamp
- Transmission oil temperature lamp
- Fuel level lamp
- Fuel filter water accumulating level lamp
- Brake fluid level lamp
- Back-up buzzer
- Cab-tilt lamp
- ABS system failure lamp
- SRS airbag system failure lamp

4. Others

- One-key starting-stopping
- Horn button



414 Dimensions



DIMENSIONS - mm / Capacities

Product code	XZU307R-HKMLBQ3	XZU307R-HKTLBQ3
Model	414 Manual	414 Auto
Wheelbase (WB)	2525	2525
Overall length (OL)	4675	4675
Overall width (OW)	1695	1695
Overall height (OH)	2075	2075
Cab to axle centre (CA)	2025	2025
Front overhang (FOH)	980	980
Rear overhang (ROH)	1135	1135
Front chassis height	635	635
Rear chassis height	695	695
Road clearance	185	185
Turning circle - m (kerb-to-kerb)	10.4	10.4
Turning circle - m (wall-to-wall)	12.8	12.8
Fuel tank capacity – lt	80	80
Chassis mass – kg (minimal fuel, without spare tyre or tools)		
Total	1920	2010
Front	1340	1415
Rear	580	595
GVM	4495	4495
GCM	7300	7300

DEALERSHIP

WARRANTIES

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty <small>(whichever comes first)</small>	Cab corrosion perforation
300 414	4 x 2	3 years or 100,00km	36 months

Battery warranty is 12 months from date of delivery.

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