



**300**  
S E R I E S

# 615 IFS Tipper



## KEY FEATURES

- Standard Cabin
- Dual SRS Airbags
- Easy Start – Take Off Assist
- Disc Brakes
  - Front & Rear
  - ABS, VSC & TRC – all STD
- Energy Absorbing Steering Wheel
- Emission Standard Euro 5
- Top & bottom hinged tail gate with drop sides

## KEY SPECIFICATIONS

- GVM** . . . . .5500kg
- GCM** . . . . .9000kg
- Engine** . . . 4.0-litre, Common Rail, Direct Injection  
Turbocharged and Intercooled
- Power** . . . . .110kW (150Hp) @ 2500 RPM (ISO)
- Torque** . . . . . 420Nm @ 1400 RPM (ISO)
- Wheelbases** . . . . . 2525mm
- Factory Tipper** . . . . . 1.9m<sup>3</sup> body





# 615 IFS Tipper

XZU605R- HKMMSQ3 D

615 Short Tipper

## Engine, Driveline & Chassis specifications

### ENGINE

Engine . . . . .	Hino N04C US
Max output (ISO Net) . . . . .	110kW (150Hp) at 2500 RPM
Max torque (ISO Net) . . . . .	420Nm at 1400 RPM
Maximum engine speed . . . . .	3100RPM
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 inter-cooled, 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 Euro 5 emission levels

### TRANSMISSION

Model . . . . .	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 <sup>2</sup>
Control . . . . .	Hydraulic with vacuum booster

### 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
Easy Start System . . . . .	Equipped
Exhaust brake . . . . .	Electric-vacuum actuator with valve in exhaust pipe
Park brake . . . . .	Rear of transmission

### PERFORMANCE & GEAR RATIOS

Engine RPM @ 100km/h . . . . .	2600
Maximum speed (km/h) . . . . .	120
Gradeability tan $\theta$ % @ GVM . . . . .	52.7
Final drive ratio . . . . .	4.625:1

#### M550

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

### 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 Leaf springs with silencers and shock absorbers
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 & 16x5.5K-113mm
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



# 615 IFS Tipper

XZU605R- HKMMSQ3 D 615 Short Dump

## 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 6.0mm
Tensile strength . . . . .	440N/mm <sup>2</sup> (Short & Auto) 540N/mm <sup>2</sup> (Medium)
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 . . . . .	Two, pillar mounted curved
Radiator grille . . . . .	Painted same colour as cabin
Lamps . . . . .	Halogen headlamps, fog lamps

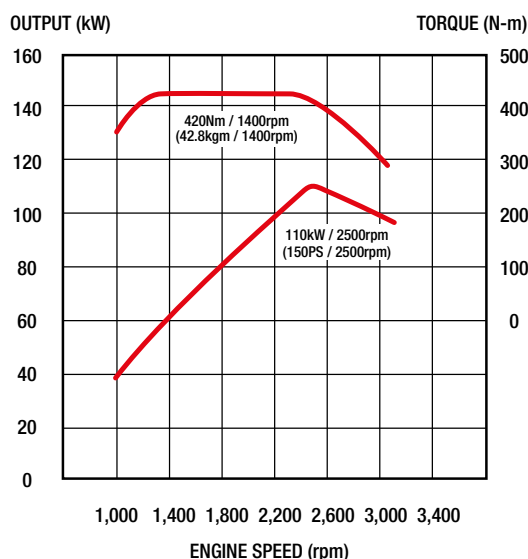
### CAB INTERIOR

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
Front 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
Remote door locking . . . . .	Equipped
Immobiliser . . . . .	Equipped
Power Windows . . . . .	Equipped
SRS airbag . . . . .	Equipped
Seat back console . . . . .	Equipped (centre)
Overhead consoles . . . . .	For driver and passenger
Cup holder . . . . .	Equipped

### POWER & TORQUE CHART (ISO NET) N04C US



### INSTRUMENTS

#### 1. Meters and gauges

km-kg system  
Engine tachometer

#### 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

#### 3. Switches

Lighting switch  
Wiper and washer switch  
Exhaust brake switch  
Easy Start switch  
Easy Start release timing adjuster switch  
Traction Control OFF

#### 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

### STEERING

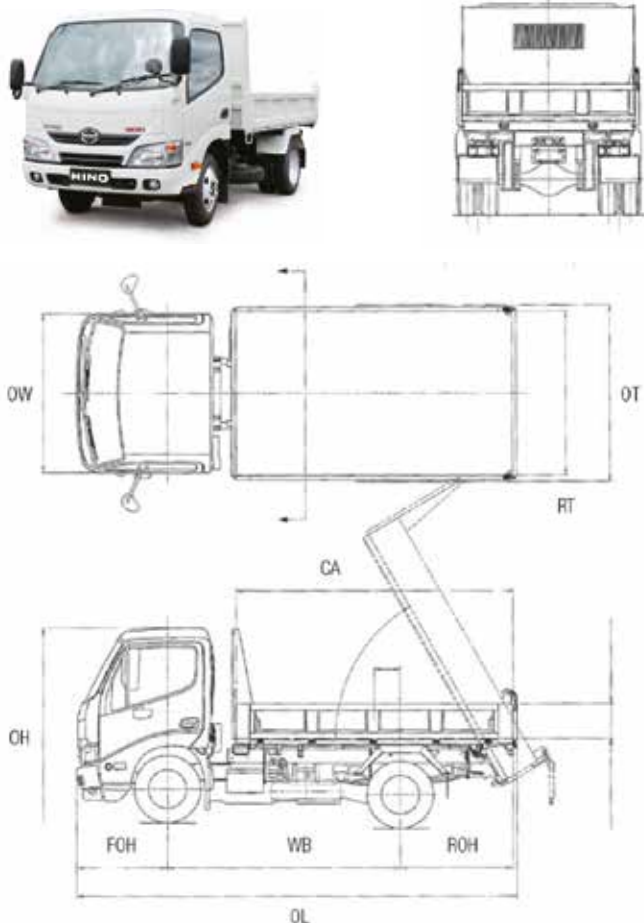
Type . . . . .	Telescopic and tilt steering column with locking device. Rack & pinion with integral power steering
Steering angle . . . . .	<b>Inside:</b> 39° <b>Outside:</b> 29°

### TIPPER BODY

Capacity . . . . .	1.9m <sup>3</sup>
Dump angle . . . . .	60 degrees
PTO . . . . .	Transmission PTO
Hydraulic pump . . . . .	Gear type
PTO & dump control . . . . .	Levers in cabin



# 615 IFS Tipper Dimensions



## DIMENSIONS - mm / Capacities

Model	615 IFS Tipper
Product Code	XZU605R-HKMMSQ3 D
Wheelbase (WB)	2525
Overall length (OL)	4760
Overall width (OW)	1880
Overall height (OH)	2090
Front overhang (FOH)	980
Rear overhang (ROH)	1210
Inside body length (IL)	3000
Inside body width	1750
Body side height (BH)	370
Body floor height	975
Road clearance	170
Turning circle (kerb-to-kerb)	9.6
Fuel tank – lt	80

Indicative chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)

Total	2690
Front	1448
Rear	1242
GVM	5500
GCM	9000

## WARRANTIES

New vehicle warranty period

Light Duty Model	Axle Configuration	Standard Warranty <small>(whichever comes first)</small>	Engine & Powerlines <small>(whichever comes first)</small>
<b>615 IFS Short Tipper</b>	<b>4 x 2</b>	<b>36 months or 100,000kms</b>	<b>36 months or 100,000kms</b>

For detailed warranty conditions, please refer to Hino Truck Warranty brochure.

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