

HINO

500 Series

FM 2630 Auto

FM 2632 Manual



* Illustration may contain item not standard to the model

ADR 80/03 Model

6 x 4 Cab Chassis

KEY FEATURES

- Cruise Control (Manual Models only)
- Anti-lock Brake System (ABS)
- Automatic Transmission Variants
- Air Rear Suspension options
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- Front Underrun Protection (FUP) (ADR 84/00 Complied)
- ISRI 6860/870 Driver seat with integrated Safety Belt
- ECE R-29 Cab Strength Compliant

KEY SPECIFICATIONS

GVM	26,000kg
GCM	36,500kg . . . Auto
	45,000kg . . . Manual
Power	221kW . . . Auto
	235kW . . . Manual
Torque	1,079Nm . . . Auto
	1,275Nm . . . Manual
Transmission	Six-speed automatic
	Eleven-speed manual
Wheelbase	4,240mm, 5,250mm, 6,500mm
Nominal Body Length	5,870mm, 7,430mm, 9,480mm



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Engine & Driveline Specifications

ENGINE

	FM 2630 Auto	FM 2632 Manual
Model	Hino A09C-TT	Hino A09C-UK
Max. output (ISO Net) @ RPM	221kW (300 HP) @ 2,100	235kW (320 HP) @ 1,800
Max. output (JIS GROSS) @ RPM	224kW (305 HP) @ 2,100	239kW (325 HP) @ 1,800
Max. torque (ISO Net) @ RPM	1,079Nm (110kgf/m) @ 1,100	1,275Nm (110kgf/m) @ 1,100
Max. torque (JIS GROSS) @ RPM	1,098Nm (112kgf/m) @ 1,100	1,295Nm (112kgf/m) @ 1,100
Max. engine speed (RPM)	2,100	2,000

Engine compliance	ADR 80/03
Type	Diesel, turbocharged & intercooled, six-cylinder in-line, overhead camshaft & water-cooled
Combustion system	Direct injection with EGR
Bore & stroke	112 x 150mm
Piston displacement	8.866L
Compression ratio	17:1
Engine oil capacity	28.7L
Coolant capacity	30.0L
Fuel injection pump	Electronic control common-rail type
Intake system	Stack-type air intake
Air cleaner	Dual paper elements
Air compressor	Single cylinder, water-cooled
Bore & stroke	85 x 60mm
Fan clutch	Equipped
Exhaust	Horizontal outlet
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

CLUTCH (Manual Models only)

Model	CS-430 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	430mm
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

	FM 2630 Auto	FM 2632 Manual
Model	Allison 3500	Eaton RTO 11909LL
Description	Full automatic	Constant mesh
Number of forward gears	6	11
LL		26.080
L		16.300
1st	4.593	11.853
2nd	2.257	7.408
3rd	1.535	5.234
4th	1.000	3.794
5th	0.749	2.770
6th	0.650	1.952
7th		1.380
8th		1.000
9th		0.730
Rev LL		20.848
Rev	4.999	13.030
Torque Converter & Ratio	TC 421	1.77
		N/A

PERFORMANCE

Calculations based on 26 ton GVM, 11R22.5 drive tyres		
Model	FM 2630 Auto	FM 2632 Manual
Rear axle ratio	5.428	4.875
Engine RPM @ 100km/h	1,850	1,870
Max theoretical speed (km/h)	113	107
Gradeability tan Θ (%) @ GVM	49	60
Speed limited to (km/h)	100	

BRAKES

Type	Full air, dual circuit, "S" cam, leading and trailing shoes for front and rear
Drum diameter x lining width	Front: 406.4 x 152mm Rear: 406.4 x 216mm
Air dryer	Equipped
Anti-lock Brake System (ABS)	Equipped
Parking brake	Spring brake, acting on FA & FR axles
Engine brake	Jake Type equipped

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	MF 671	
	Type	Reverse Elliot I-Beam	
	Suspension	Semi-elliptic tapered leaf springs with shock absorbers	
	Spring Dimensions	1,470 x 80mm	
	Number of Leafs	4	
	Spring Rate	32.8 kgf/mm	
	Axle Limit (including suspension)	6,500 kg	
REAR	Tyre Limit	7,100 kg	
	Rear Axle Model	THD 17 Tandem Axle	
	Type	Bogie drive with inter-axle differential lock, fully floating single reduction by Hypoid gears	
	Rear Suspension Models	6 Rod Leaf Rear	HAS Air Rear
	Suspension	Semi-elliptic multi leaf	Hendrickson HAS 400 airbag with double acting shock absorbers
	Dimensions	1,625 x 80mm	Road Friendly Suspension Rating N/o RF 2005
	Number of Leafs	13	
	Spring Rate	293.7 kgf/mm	
Axle Limit	20,000 kg		
Tyre Limit	23,200 kg		

WHEELS & TYRES

Wheel type	10-stud disc wheel (ISO type) 335 PCD
Rim size	8.25 x 22.5 – 165-12mm
Tyre size	Front: 295/80R22.5 – 152/148 Rear: 11R22.5 – 148/145
Number of tyres	Eleven (including one spare tyre)
Spare tyre carrier	Equipped (except for medium)

FUEL TANK

Capacity	300L (Steel) Medium and Long 390L (Aluminium) XXlong
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped

STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	20.1:1
Steering angle	Inside: 39°–42° Outside: 32°



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Cab, Instrumentation & Chassis

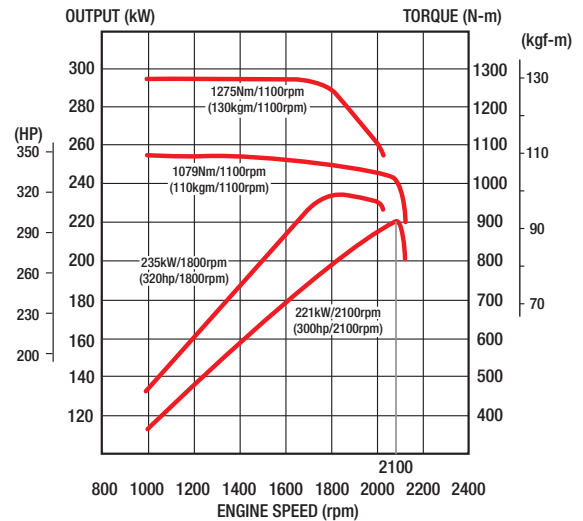
CAB DETAILS

Type	Forward control, all-steel construction mounted on coil spring suspension with electro hydraulic tilt mechanism
ECER29 Cab strength.	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt
Side passenger's seat	Urethane foam pads, high-back & reclining seat with fabric cover, air suspension
Centre passenger's seat.	Urethane foam pads & foldaway type with seat back tray, fabric cover
Seat belt	3-point type on driver's & side passenger's seat 2-point type on centre passenger seat
Sun visor and overhead console	For driver & passenger sides
Windshield wipers	Electric, dual, intermittent & 2-speed
Ventilator	Forced type by electric blower
Rear view mirrors	External: Electric & heated, flat type, two convex spotters & kerb view
Cigarette lighter 24V	Equipped
Electrical converter.	12V (harness type)
Floor mat	Vinyl type
Front air spoiler	Equipped
Central locking & keyless entry	Equipped
Heater and defroster	Standard
Air conditioner	Standard
Trim	Full trim type (side, roof & back)
Cab pockets	Equipped on both door sides
Power windows	Equipped
Rest area	Equipped
Audio	DAB+ AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver & passenger sides
Foot rest	Equipped
Cup holder	Equipped
Cruise control	Equipped (except for auto model)

ELECTRICAL

Type	24V, negative earth
Batteries	12V x 2, series connection. Capacity 120Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 60A (90A for Auto)
Starter type	24V, 4.5kW
Headlamps	Halogen type including fog lamps
High/low beam	Equipped
Fluorescent reading lamp	Equipped
Electric horn	Equipped

POWER & TORQUE CHART (ISO Net) A09C-TT AND A09C-UK



INSTRUMENTS

- Meters & gauges**
 - Speedometer
 - Odometer with trip meter
 - Tachometer
 - Fuel gauge
 - Coolant temperature gauge
 - Air pressure gauge
- Switches**
 - One-key starting-stopping
 - Lighting
 - Directional indicator, dimmer & passing
 - Wiper & washer
 - Hazard lamp
 - Exhaust brake
 - Map lamp
 - Fog lamp
 - Easy Start (Manual Models only)
 - Cruise Control (except Auto Model)
 - DPR regeneration
 - Mirror controls
 - PTO (optional)
- Warning, pilot lamps & buzzers**
 - Oil pressure lamp & buzzer
 - Air pressure lamp & buzzer
 - Engine over-run buzzer
 - Coolant level lamp & buzzer
 - Air pressure lamp & buzzer
 - High beam indicator lamp
 - Turn signal indicator lamp
 - Parking brake indicator lamp
 - Exhaust brake indicator lamp
 - Engine control system lamp
 - Hazard indicator lamp
 - Back-up buzzer
 - ABS warning lamp
- Others**
 - Idle up control knob
 - Horn button
 - 12V electric source
- Multi information display**
 - Fuel consumption
 - Service reminders
 - Warnings
 - Faults

CHASSIS FRAME

Rear Suspension Type	6 Rod Leaf	HAS 400
Type	Ladder-shaped channel section side rails	
Chassis width (at rear)	870mm	
Main section (mm) (depth x flange x thickness)	300 x 90 x 8.0	
Tensile strength	540N/mm ²	
Inner Section (mm)	284 x 77 x 3.2	N/A
Tensile strength	540N/mm ²	
Front Underrun Protection	Equipped	
Tow Hook (front and rear)	Equipped	

GENUINE ACCESSORY OPTIONS

- | | |
|------------------------------|-----------------------------|
| Bull bar | LED Driving Lights |
| Chrome wheel covers | Sunvisor |
| Sat Nav | Timber dash panel |
| Rear vision camera (up to 3) | Engine driven PTO 1:1 ratio |
| Stoneguard | |

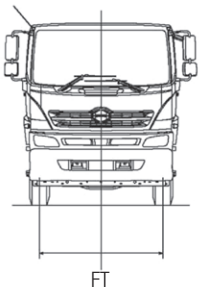
Please check with your dealer for price, availability & fitment for these options



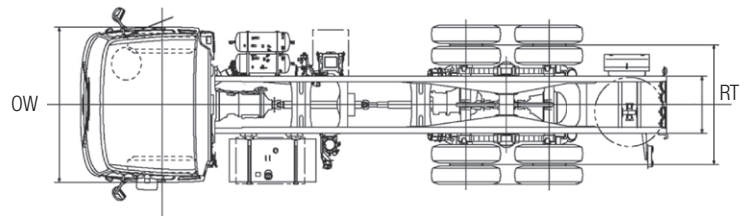
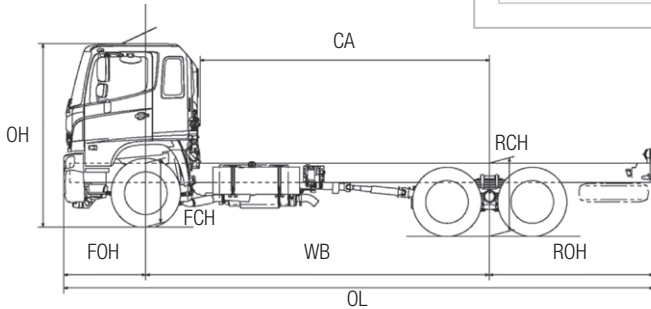
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Dimensions



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DIMENSIONS – mm/capacities

Model Hino Variants	FM 2630 Auto			FM 2632 Manual			
	Medium	Long	Long Air	Medium	Long	XXLong	XXLong Air
Model Code	FM1ALMM- VHU	FM1ARMA- VHU	FM1ARMG- VHU	FM1ALNM- THU	FM1ARNA- THU	FM1AWNA- THU	FM1AWNG- THU
Nominal Body Length (WB x .6) + CA – 80)	5,810	7,430		5,870	7,430	9,480	
Wheelbase (WB)	4,240	5,250		4,240	5,250	6,500	
Overall Length (OL)	7,450	8,995		7,450	8,995	11,085	
Overall Width (OW)	2,470		2,450	2,470		2,450	
Overall Height (OH)				2,830			
Cab to Rear Axle centre (CA)	3,355	4,365		3,410	4,420	5,670	
Front Overhang (FOH)				1,255			
Rear Overhang (ROH)	1,915	2,445		1,915	2,445	3,285	
Front Chassis Height (FCH)				1,015			
Rear Chassis Height (RCH)	1,070		1,060	1,070		1,060	
Road Clearance (RC)				245			
Front Track (FT)				1,925			
Rear Track (RT)	1,860		1,840	1,860		1,840	
Turning Circle Kerb to Kerb	17,000	20,400		17,000	20,400	24,600	
Wall to Wall	18,450	21,850		18,400	21,800	26,000	
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance)							
Total	7,205	7,330	7,100	7,565	7,660	7,960	7,765
Front	3,400	3,635	3,505	3,695	3,755	3,905	3,910
Rear	3,805	3,695	3,595	3,870	3,905	4,055	3,855
GVM				26,000			
GCM	36,500			45,000			

WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 FM 2630/FM 2632	6 x 4	3 years or 200,000km	36 months

Battery warranty – 12 months from date of delivery

* For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *



DISCLAIMER

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