



**ADR 80/03 Model**  
**6 x 4 Cab Chassis**

\* Illustration may contain item not standard to the model

## KEY FEATURES

- 320 Horsepower
- Jake Type Engine Brake
- Cruise Control
- ABS Brakes
- Six Rod Heavy-Duty Rear Suspension
- Crawler Gear 26:1
- ECER29 Cab Strength Compliant
- FUP (ADR 84/00 Complied)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6800 Drivers seat with integrated Safety Belt

## KEY SPECIFICATIONS

<b>GVM</b> . . . . .	26,000kg
<b>GCM</b> . . . . .	45,000kg
<b>Power</b> . . . . .	235kW @ 1800 RPM
<b>Torque</b> . . . . .	1275Nm @ 1100 RPM
<b>Transmission</b> . . . . .	11-speed Eaton
<b>Wheelbase</b> . . . . .	4240mm (Medium), 6500mm (XX Long)





# FM 2632

## Engine & Driveline specifications

### ENGINE

Model	Hino A09C-TU
Max. output (ISO Net)	235kW (320 PS) at 1800 RPM
Max. output (JIS Gross)	239kW (325 PS) at 1800 RPM
Max. torque (ISO Net)	1275Nm (130kgf/m) at 1100 RPM
Max. torque (JIS Gross)	1295Nm (132kgf/m) at 1100 RPM
Max. engine speed	1800 RPM
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 with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

### CLUTCH

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

Model	EATON RTO11909ALL
Type	11 forward and two reverse speeds, overdrive, constant mesh
Control	Mechanical control
Rear axle gear ratio	4.625:1

LL	26.078	6th	1.952
L	16.299	7th	1.379
1st	11.853	8th	1.000
2nd	7.408	9th	0.730
3rd	5.234	Rev LL	20.848
4th	3.794	Rev L	13.030
5th	2.770		

### PERFORMANCE

Calculations based on 26.0 ton GVM, 11R22.5 drive tyres	
Engine RPM @ 100km/h	1770
Speed limited to (km/h)	100
Max theoretical speed (km/h)	102
Gradeability tan $\theta$ (%) @ GVM	60

### BRAKES

Type	Full air, dual circuit, "S" cam type, leading & trailing shoes for front and rear
Drum diameter x lining	
Width	Front: 406.4 x 152mm Rear: 406.4 x 216mm
Air dryer	Equipped
ABS	Equipped
Parking brake	Spring brake, acting on FA & FR axles
Engine brake	Jake type equipped
Auto-slack adjuster	Equipped

### AXLE LOAD & TYPE

Axle load limit	Front axle	6500kg
	Rear axle	20,000kg
Front axle type	MF671 series, Reversed Elliot, I-Beam	
Rear axle type	THD17 full-floating single reduction, single-speed hypoid, Tandem Drive with inter axle differential lock	

### SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers
Size	1470 span x 80mm width
Rear suspension Type	Semi-elliptic leaf springs with torque rods
Size	1300 span x 90mm width

### 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 (XX Long only)

### FUEL TANK

Capacity	300L for medium, 400L for XXL
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped



# FM 2632

## Cab, Instrumentation & Chassis

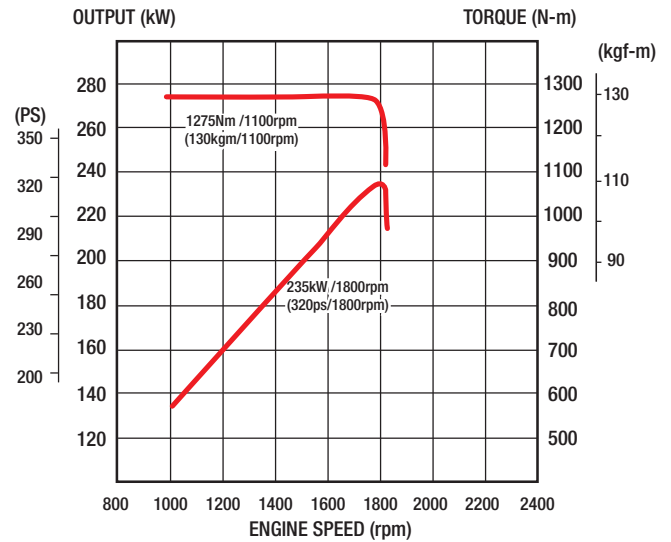
### CAB DETAILS

Type . . . . .	Forward control, all-steel construction, mounted on coil spring suspension with electro hydraulic tilt mechanism
ECER29 Cab strength. . . . .	Compliant
Drivers SRS Airbag. . . . .	Equipped with pretensioner seatbelt
Seating capacity . . . . .	Three
Driver's seat . . . . .	ISRI 6800 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's 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, two flat type, two convex spotters
Cigarette lighter 24V . . . . .	Equipped
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 for driver door
Power windows . . . . .	Equipped
Rest area . . . . .	Equipped
Audio . . . . .	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Engine control link . . . . .	Equipped
Cup holder . . . . .	Equipped
Cruise Control . . . . .	Equipped

### 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
Starter type . . . . .	24V, 6.0kW
Headlamps . . . . .	Halogen type including fog lamps
High/low beam . . . . .	Equipped
Fluorescent reading lamp . . . . .	Equipped
Electric horn . . . . .	Equipped

### POWER & TORQUE CHART (ISO Net) A09C-TU



### INSTRUMENTS

- Meters & gauges**
  - Speedometer with trip meter
  - Odometer
  - Tachometer
  - Fuel gauge
  - Coolant temperature gauge
  - Air pressure gauge
- Switches**
  - One-key starting-stopping
  - Lighting
  - Directional indicator, dimmer & passing
  - Wiper & washer
  - Hazard lamp
  - Map lamp
  - Fog lamp
  - Cruise Control
  - Engine brake
  - DPR regeneration
  - Mirror controls
- Warning, pilot lamps & buzzers**
  - Oil pressure warning lamp & buzzer
  - Air pressure warning lamp & buzzer
  - Engine over-run warning buzzer
  - Coolant level warning lamp & buzzer
  - High beam indicator lamp
  - Turn signal indicator lamp
  - Parking brake indicator lamp
  - Seat belt warning lamp & buzzer
  - Engine brake indicator lamp
  - Engine control system warning lamp
  - Hazard indicator lamp
  - Back-up warning buzzer
- Others**
  - Idle up control knob
  - Horn button
  - 12V electric source

### STEERING

Type . . . . .	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio . . . . .	20.2:1
Steering angle . . . . .	Inside: 39-42°      Outside: 32°

### CHASSIS FRAME

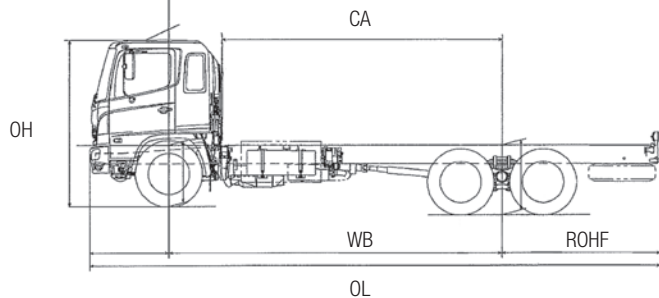
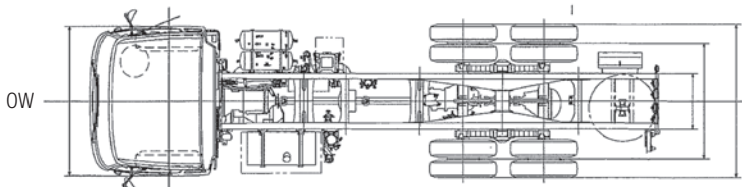
Type . . . . .	Ladder-shaped channel-section side rails
Rear chassis width . . . . .	870mm
Max. section (depth x flange x thickness) . . . . .	Main: 300 x 90 x 8.0mm Inner: 284 x 77 x 3.2mm
Tensile strength . . . . .	540N/mm <sup>2</sup> {55 kgf/mm <sup>2</sup> }
Hooks . . . . .	Equipped for front and rear
Chassis step . . . . .	Equipped
Factory FUP . . . . .	Equipped



# FM 2632

**500**  
S E R I E S

## Dimensions



### DIMENSIONS - mm / Capacities

<b>Model</b>	FM 2632 Medium	FM 2632 XX Long
Production code	FM1ALMM-THU	FM1AWMA-THU
Wheelbase (WB)	4240	6500
Overall length (OL)	7450	11,085
Overall width (OW)	2470	2470
Overall height (OH)	2830	2830
Cab to rear axle centre (CA)	3355	5615
Rear overhang (at frame end) (ROHF)	1915	3285
Front chassis height (HF)	1015	1015
Rear chassis height (HR)	1070	1070
Road clearance (at diff. case) (RC)	245	245
Front track (FT)	1925	1925
Rear track (RT)	1860	1860
Turning circle kerb to kerb	17,000	24,600
Turning circle wall to wall	18,450	26,050
<b>Chassis mass – kg</b> (standard tools, 10 litres of fuel, without spare tyre)		
Total	7375	7790
Front	3510	3975
Rear	3865	3815
GVM	26,000	26,000
GCM	45,000	45,000

### GENUINE ACCESSORY OPTIONS

Chrome wheel covers	Stoneguard
Sat nav	Sunvisor
Rear vision camera (up to 3)	Timber dash panel
Roof scoop	Engine driven PTO 1:1
Side skirts	FUP compliant Bull and bumper bar

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

### WARRANTY

New vehicle warranty period

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

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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