



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
 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

GVM. 26,000kg
GCM. 45,000kg
Power 235kW @ 1800 RPM
Torque. 1275Nm @ 1100 RPM
Transmission 11-speed Eaton
Wheelbase 6500mm





FM 2632 Air

Engine & Driveline specifications

ENGINE

| | |
|-------------------------|--|
| Model | Hino A09C-TU |
| Max. output (ISO Net) | 235kW (320 PS) at 1800 RPM |
| Max. output (JIS Gross) | 239Kw (325PS) |
| Max. torque (ISO Net) | 1275Nm (130kgf/m) at 1100 RPM |
| Max. torque (JIS Gross) | 1295Nm (132kg/m) |
| 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 RTO11909LL |
| 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 θ (%) @ 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 | Engine compression brake equipped |
| Auto-slack adjuster | Equipped |

AXLE LOAD & TYPE

| | |
|-----------------|---|
| 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 | Hendrickson HAS air bag suspension with shock absorbers |

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 |

FUEL TANK

| | |
|------------------------------|----------|
| Capacity | 400L |
| Fuel pre-filter & sedimenter | Equipped |
| Fuel tank cap key | Equipped |



FM 2632 Air

Cab, Instrumentation & Chassis

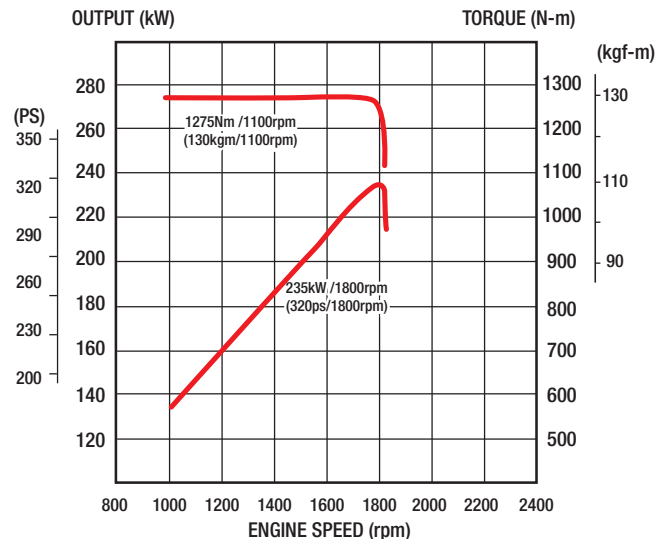
CAB DETAILS

| | |
|---|--|
| 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 | For driver's side |
| 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 |

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
 - Exhaust brake
 - 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

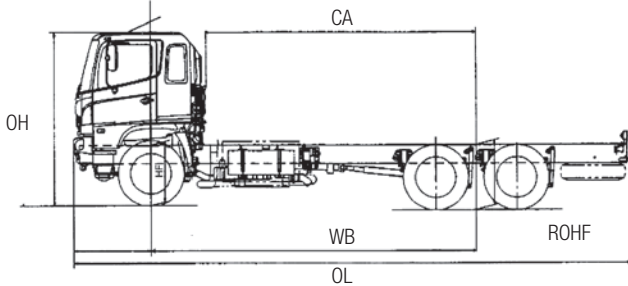
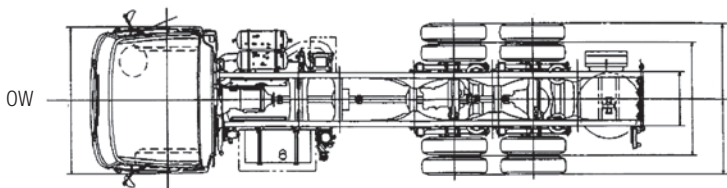
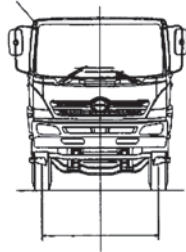
| | |
|---|---|
| Type | Ladder-shaped channel-section side rails |
| Rear chassis width | 870mm |
| Max. section (depth x flange x thickness) | Main: 300 x 90 x 8.0mm Inner: 284 x 77 x 3.2mm |
| Tensile strength | 540N/mm ² {55 kgf/mm ² } |
| Hooks | Equipped for front and rear |
| Chassis step | Equipped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



FM 2632 Air



Dimensions



DIMENSIONS - mm / Capacities

| | |
|--|--------------------------|
| Model | Hino FM 2632 XX Long Air |
| Production code | FM1AWMG-THU |
| Wheelbase (WB) | 6500 |
| Overall length (OL) | 11,085 |
| Overall width (OW) | 2450 |
| Overall height (OH) | 2830 |
| Cab to rear axle centre (CA) | 5615 |
| Rear overhang (at frame end) (ROHF) | 3285 |
| Front chassis height (HF) | 1015 |
| Rear chassis height (HR) | 1060 |
| Road clearance (at diff. case) (RC) | 245 |
| Front track (FT) | 1925 |
| Rear track (RT) | 1840 |
| Turning circle kerb to kerb | 24,600 |
| Turning circle wall to wall | 26,050 |
| Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre) | |
| Total | 7555 |
| Front | 3760 |
| Rear | 3795 |
| GVM | 26,000 |
| GCM | 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 | |

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

WARRANTY

New vehicle warranty period

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