

FM 2628 Auto Air



* Illustration may contain item not standard to the model

ADR 80/03 Model
6 x 4 Cab Chassis

KEY FEATURES

- ABS Brakes
- Allison 3500 Automatic Transmission
- Air Suspension on rear axles
- ECER29 Cab Strength Compliant
- FUP (ADR 84/00 Complied)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirror
- ISRI 6800 Drivers seat with integrated Safety Belt

KEY SPECIFICATIONS

GVM.	26,000kg
GCM.	36,000kg
Power	206kW @ 2400 RPM
Torque	824Nm @ 1500 RPM
Transmission	Six-speed automatic
Wheelbase	5250mm (Long), 6500 mm (XX Long)





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Engine & Driveline specifications

ENGINE

Model	HINO J08-VD
Max. output (ISO Net)	206kW (280 PS) at 2400 RPM
Max. output (JIS GROSS)	210kW (285 PS) at 2400 RPM
Max. torque (ISO Net)	824Nm (84kgf/m) at 1500 RPM
Max. torque (JIS GROSS)	843Nm (86kgf/m) at 1500 RPM
Max. engine speed	2500 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 130mm
Piston displacement	7.684L
Compression ratio	17:1
Engine oil capacity	12.7L
Coolant capacity	26.5L
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

TRANSMISSION & GEAR RATIOS

Model	Allison 3500
Type	Six forward and one reverse speeds, double overdrive, automatic
Rear axle gear ratio	6.428:1

1st	4.593
2nd	2.257
3rd	1.535
4th	1.000
5th	0.749
6th	0.651
Rev	4.999

PERFORMANCE

Calculations based on 26.0 ton GVM, 11R22.5 drive tyres	
Engine RPM @ 100km/h	2200
Speed limited to (km/h)	100
Max theoretical speed (km/h)	113
Gradeability tan θ (% @ GVM)	43.4
Rear axle gear ratio	6.428:1

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
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

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	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	300L for Long, 400L for XXL
Fuel pre-filter & sedimentor	Equipped
Fuel tank cap key	Equipped



FM 2628 Auto Air Cab, Instrumentation & Chassis

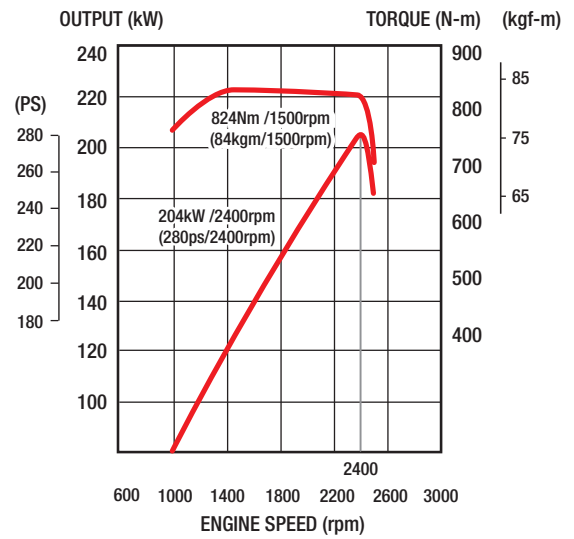
CAB DETAILS

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 & 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
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 on both door sides
Power windows	Equipped
Audio	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver & passenger sides
Rest area	Equipped
Foot rest	Equipped
Engine control link	Equipped
Cup holder	Equipped

ELECTRICAL

Type	24V, negative earth
Batteries	2 x 12V, series-connection. Capacity 120Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 90A
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) J08E-VD



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
 - 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
 - Exhaust 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°

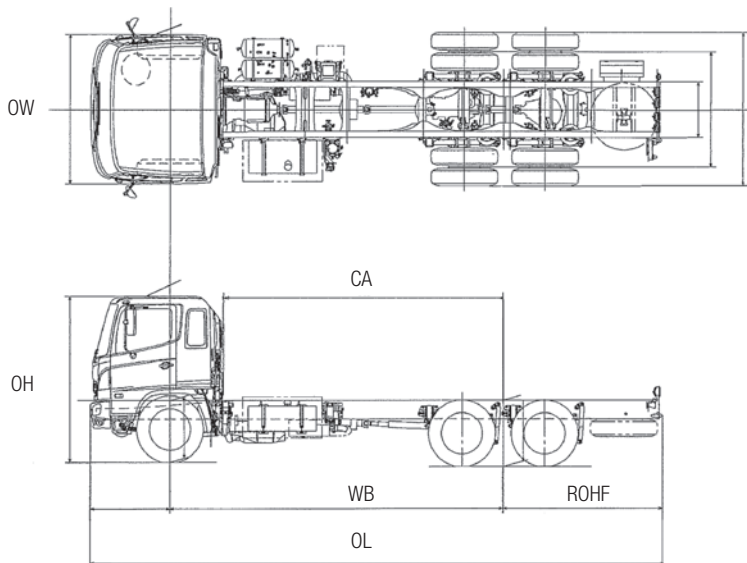
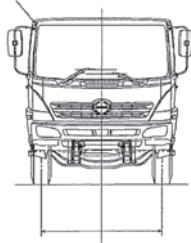
CHASSIS FRAME

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



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Dimensions



DIMENSIONS - mm / Capacities

Model	Long.	XX Long
Production code	FM8JRKG-VHU	FM8JWKG-VHU
Wheelbase (WB)	5250.	6500
Overall length (OL)	8995.	11,085
Overall width (OW)	2450.	2450
Overall height (OH)	2680.	2680
Cab to rear axle centre (CA)	4410.	5660
Rear overhang (at frame end) (ROH)	2445.	3285
Front chassis height (HF)	1025.	1025
Rear chassis height (HR)	1055.	1055
Road clearance (at diff. case) (RC)	245.	245
Front track (FT)	1925.	1925
Rear track (RT)	1840.	1840
Turning circle kerb to kerb	20,400.	24,600
Turning circle wall to wall	21,850.	26,050
Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)		
Total	6810.	7060
Front	3230.	3340
Rear	3580.	3720
GVM	26,000.	26,000
GCM	36,000.	36,000

GENUINE ACCESSORY OPTIONS

Chrome wheel covers	Stoneguard
Sat Nav	Sunvisor
Rear vision camera (up to 3)	Timber dash panel
Roof scoop	Engine driven PTO 1:1.08 step-up
Side skirts	FUP compliant Bull 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 <small>(whichever comes first)</small>	Cab corrosion perforation
500 FM 2628 Auto 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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Date of issue - 01/01/12 FM 2628 Auto Air V3.2



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