



**ADR 80/03 Model**  
**4 x 2 Cab Chassis**

\* Illustration may contain item not standard to the model

## KEY FEATURES

- Cruise Control
- ABS Brakes
- Front Axle stabiliser
- Easy Start – Take-off Assist
- ECER29 Cab Strength Compliance
- FUP (ADR 84/00 Complied)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6800 Driver seat with integrated Safety Belt

## KEY SPECIFICATIONS

<b>GVM</b> . . . . .	15,500kg
<b>GCM</b> . . . . .	32,000kg
<b>Power</b> . . . . .	206kW @ 2400 RPM
<b>Torque</b> . . . . .	824Nm @ 1500 RPM
<b>Transmission</b> . . . . .	Nine-speed synchromesh
<b>Wheelbase</b> . . . . .	4280mm (Medium), 5530mm (X Long), 6220mm (XX Long)





# FG 1628 Nine

## Engine & Driveline specifications

### ENGINE

Model	Hino J08E-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	24.5L
Fuel injection pump	Electronic control common-rail type
Intake system	Stack type air intake
Air cleaner.	Dual paper elements
Air compressor type	Single cylinder, water-cooled
Bore & stroke	85 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

### CLUTCH

Model	CS-380 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	380mm
Control	Hydraulic with air booster

### TRANSMISSION & GEAR RATIOS

Model	EATON FS6109
Type	Eaton 6/09, Nine forward & one reverse speeds, direct drive, synchromesh on 1st to 9th
Control	Mechanical control
Rear axle gear ratio	4.300:1

1st	12.637	6th	.2.481
2nd	.8.806	7th	.1.845
3rd	.6.550	8th	.1.343
4th	.4.768	9th	.1.000
5th	.3.548	Rev.	13.210

### PERFORMANCE

Calculations based on 15.5 ton GVM, 11R22.5 drive tyres	
Engine RPM @ 100km/h	2260
Speed limited to (km/h)	100
Max theoretical speed (km/h)	110
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 127mm Rear: 406.4 x 203mm
Air dryer	Equipped
ABS	Equipped
Parking brake type.	Spring brake, acting on rear wheels
Exhaust brake type.	Electric-pneumatic with valve in exhaust pipe
Easy Start	Equipped

### AXLE LOAD & TYPE

Front axle	6500kg
Rear axle	10,000kg
Front axle type	MF671 series, Reversed Elliot, I-Beam
Rear axle type	SH17 full-floating, single reduction, single-speed hypoid

### SUSPENSION

<b>Front suspension</b> Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1470 span x 80mm width
<b>Rear suspension</b> Type	Semi-elliptic main & auxiliary leaf springs
Size	
Main springs	1400 span x 90mm width
Auxiliary springs.	980 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	Seven (including one spare tyre)
Spare tyre carrier	Equipped

### FUEL TANK

Capacity	200L
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped



# FG 1628 Nine Cab, Instrumentation & Chassis

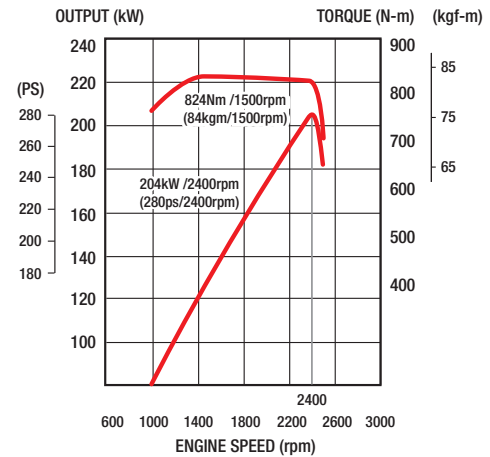
## CAB DETAILS

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 and 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 & overhead console . . . . .	For driver & passenger sides
Windshield wipers . . . . .	Electric, dual, intermittent & 2-speed
Ventilator . . . . .	Forced type by electric blower
Rear view mirrors . . . . .	External: Heated & electric, two flat, two convex spotters
Cigarette lighter 24V . . . . .	Equipped
Floor mat . . . . .	Vinyl type
Front air spoiler . . . . .	Equipped
Central locking & keyless entry . . . . .	Equipped with immobiliser
Heater & defroster . . . . .	Standard
Air conditioner . . . . .	Standard
Trim . . . . .	Full trim type (side, roof and back)
Cab pockets . . . . .	Equipped on both front door sides
Power windows . . . . .	Equipped
Car audio . . . . .	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Engine control link . . . . .	Equipped
Speed limiter . . . . .	Equipped
Cup holder . . . . .	Equipped
Cruise Control . . . . .	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, 60A
Starter type . . . . .	24V, 4.5W
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
- 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
- Switches**
  - One-key starting-stopping
  - Lighting
  - Directional indicator, dimmer & passing
  - Wiper and washer
  - DPR regeneration
  - Mirror controls
- 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 . . . . .	<b>Inside:</b> 39-42° <b>Outside:</b> 32°

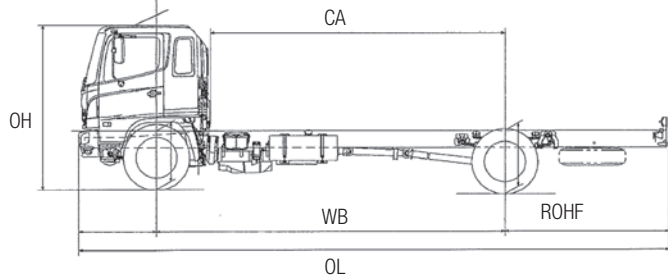
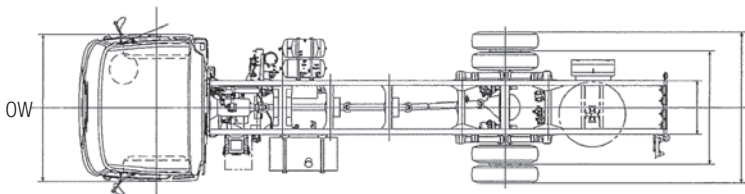
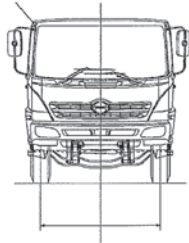
## CHASSIS FRAME

Type . . . . .	Ladder-shaped channel-section side rails
Rear chassis width . . . . .	870mm
Max. section (depth x flange x thickness) . . . . .	
Main . . . . .	269 x 85 x 7.5mm (Medium), 270 x 85 x 8.0mm (X Long), 270 x 90 x 8.0mm (XX Long)
Inner stiffener . . . . .	254 x 74 x 3.2mm (XX Long)
Tensile strength . . . . .	Main: 540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> } Inner: 440N/mm <sup>2</sup> {45kgf/mm <sup>2</sup> }
Hooks . . . . .	Equipped for front & rear
Chassis step . . . . .	Equipped
Factory FUP . . . . .	Equipped



# FG 1628 Nine

## Dimensions



### DIMENSIONS - mm / Capacities

<b>Model</b> Hino FG 1628 Nine . . . . .	Medium . . . . .	X Long . . . . .	XX Long . . . . .
Production code . . . . .	FG8JMB-RHU . . . . .	FG8JPMB-RHU . . . . .	FG8JSMB-RHU . . . . .
Wheelbase (WB) . . . . .	4280 . . . . .	5530 . . . . .	6220 . . . . .
Overall length (OL) . . . . .	7470 . . . . .	9360 . . . . .	10,450 . . . . .
Overall width (OW) . . . . .	2450 . . . . .	2450 . . . . .	2450 . . . . .
Overall height (OH) . . . . .	2645 . . . . .	2645 . . . . .	2645 . . . . .
Cab to rear axle centre (CA) . . . . .	3420 . . . . .	4670 . . . . .	5360 . . . . .
Rear overhang (at frame end) (ROHF) . . . . .	1910 . . . . .	2550 . . . . .	2950 . . . . .
Front chassis height (HF) . . . . .	960 . . . . .	960 . . . . .	960 . . . . .
Rear chassis height (HR) . . . . .	1025 . . . . .	1025 . . . . .	1025 . . . . .
Road clearance (at diff. case) (RC) . . . . .	250 . . . . .	250 . . . . .	250 . . . . .
Front track (FT) . . . . .	1925 . . . . .	1925 . . . . .	1925 . . . . .
Rear track (RT) . . . . .	1840 . . . . .	1840 . . . . .	1840 . . . . .
Turning circle kerb to kerb . . . . .	15,600 . . . . .	19,800 . . . . .	22,000 . . . . .
Turning circle wall to wall . . . . .	17,050 . . . . .	21,250 . . . . .	23,450 . . . . .
<b>Chassis mass – kg</b> (standard tools, 10 litres of fuel, without spare tyre)			
Total . . . . .	5025 . . . . .	5190 . . . . .	5320 . . . . .
Front . . . . .	3020 . . . . .	3110 . . . . .	3190 . . . . .
Rear . . . . .	2005 . . . . .	2080 . . . . .	2130 . . . . .
GVM . . . . .	15,500 . . . . .	15,500 . . . . .	15,500 . . . . .
GCM . . . . .	32,000 . . . . .	32,000 . . . . .	32,000 . . . . .

### 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 (whichever comes first)	Cab corrosion perforation
500 FG 1628 Nine	4 x 2	3 years or 150,000km	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

### DISCLAIMER

Important notice. Hino Trucks are distributed in Australia by Hino Motor Sales Australia Pty Ltd A.C.N. 064 989 724.

All efforts have been made to ensure the information contained in this brochure was correct at time of printing or uploading. Hino Motor Sales Australia Pty Ltd reserves the right to alter any details of the specifications and equipment without notice. Hino in so far as it is permitted by law to do so, shall not be liable in any way as a result of any reliance placed by any person on anything contained in this brochure. You should therefore check with your authorised Hino dealer at the time of ordering your motor vehicle to ensure that colour, specifications, equipment, design features and options are available for the vehicle you are ordering. Please note that some options may only be available in combination with others. Authorised Hino dealers will on request provide up to date information on all accessories, design features, prices and availability.

Date of issue - 01/01/12 FG 1628 Nine V3.2



www.hino.com.au