



# 500

# FG 1527 Nine



**4 x 2 Cab Chassis**

## KEY FEATURES

- ABS Brakes
- Easy Start – Take-off Assist

## KEY SPECIFICATIONS

<b>GVM.</b>	15,500kg
<b>GCM.</b>	30,000kg
<b>Power</b>	193kW (263 PS) @ 2500rpm
<b>Torque</b>	794Nm @ 1500rpm
<b>Transmission</b>	Nine-speed synchromesh
<b>Wheelbase</b>	4280mm (Spring), 5530mm (Spring/Air)





# FG 1527 Nine

FG8JKKB-TGN Nine Medium Spring  
 FG8JPKB-TGN Nine XX Long Spring  
 FG8JPKH-TGN Nine XX Long Air

## Engine & Driveline specifications

### ENGINE

Model	HINO J08E TB
Max. output (ISO NET)	193kW (263 PS) at 2500rpm
Max. torque (ISO NET)	794Nm (81kgf/m) at 1500rpm
Max. engine speed	2550rpm
Engine compliance	US04 Compliant
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	18.5:1
Engine oil capacity	13.5L
Coolant capacity	21.0L
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

### CLUTCH

Model	CS-380 series
Type	Dry single plate with damper springs
Facing material	Semi Mold
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

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 15.1 ton GVM, F&R 275/75R22.5 tyre

Speed limited to (km/h)	Optional
Max theoretical speed (km/h)	113
Gradeability tan $\theta$ (%)	35.6

### 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

### AXLE SPECIFICATIONS

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
Rear axle gear ratio	4.100:1

### SUSPENSION

<b>Front suspension</b> Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1470 span x 70mm width
<b>Rear suspension</b> Type (Spring)	Semi-elliptic main & auxiliary leaf springs
Size	
Main springs	1400 span x 90mm width
Auxiliary springs	1000 span x 90mm width
<b>Rear suspension</b> Type (Air)	Hendrickson airbag 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	275/75R22.5 – 148/145
Number of tyres	Seven (including 1 spare)

### FUEL TANK

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



# FG 1527 Nine

## Cab, Instrumentation & Chassis

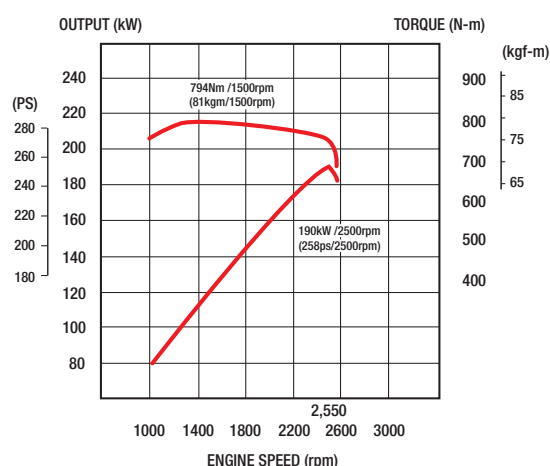
### CAB DETAILS

Type . . . . .	Forward control, all-steel construction with torsion-bar tilt mechanism
Seating capacity . . . . .	Three
Driver's seat . . . . .	Urethane foam pads, high-back, 4-way adjustable seat with fabric cover & air suspension
Side passenger's seat . . . . .	Urethane foam pads, high-back & reclining seat with fabric cover and under-tray
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 . . . . .	Inside: One, flat type Outside: Heated Two flat, two convex spotters
Cigarette lighter 24V . . . . .	Equipped
Floor mat . . . . .	Vinyl type
Front air spoiler . . . . .	Equipped
Central locking . . . . .	Equipped
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 . . . . .	AM/FM radio with CD player
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Easy Start . . . . .	Equipped
Engine control link . . . . .	Equipped
Speed limiter . . . . .	On application
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, 60A
Starter type . . . . .	24V, 4.5W
Headlamps . . . . .	Semi-sealed beam, halogen type 2-head lamps
High/low beam . . . . .	Equipped
Fluorescent reading lamp . . . . .	Equipped
Electric horn . . . . .	Equipped

### POWER & TORQUE CHART (ISO Net)



### 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
  - Others**
    - Idle up control knob
    - Horn button
    - 12V electric source (harness type)
- Hazard indicator lamp
  - Back-up warning buzzer
  - Hazard lamp
  - Exhaust brake
  - Map lamp
  - Fog lamp
  - Easy Start
  - Cruise Control

### STEERING

Type . . . . .	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio . . . . .	20.2:1

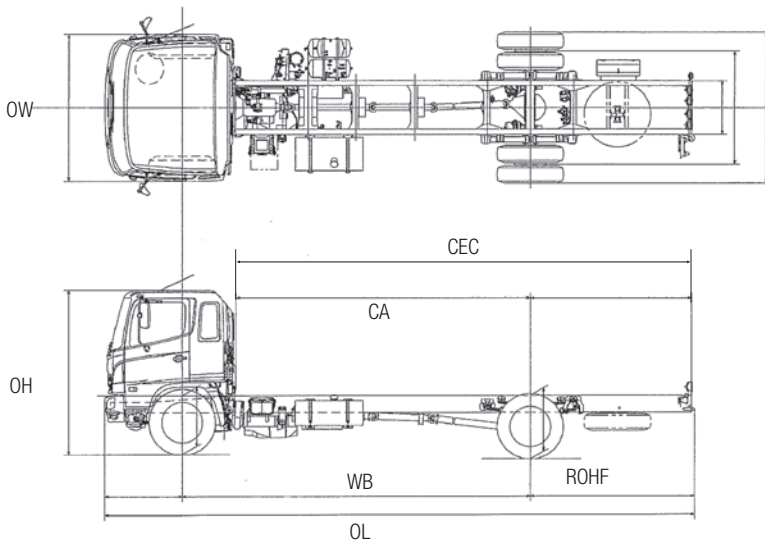
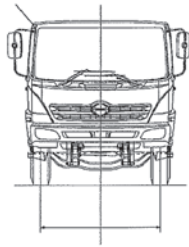
### CHASSIS FRAME

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, 270 x 85 x 6.8mm
Inner stiffener . . . . .	254 x 74 x 3.2mm (XX Long)
Tensile strength . . . . .	540N/mm <sup>2</sup> {55kgf/mm <sup>2</sup> }
Hooks . . . . .	Equipped for front & rear



# 500

## FG 1527 Nine Dimensions



### DIMENSIONS - mm / Capacities

<b>Model</b> HINO FG 1527 Nine	.Spring	.Spring/Air
Production code	FG8JJKB Nine	FG8JPKB Nine
Wheelbase (WB)	4600	5530
Overall length (OL)	8010	9410
Overall width (OW)	2335	2335
Overall height (OH)	2610	2610
Cab to rear axle centre (CA)	3775	4705
Rear overhang (at frame end) (ROHF)	2080	2550
Back of Cab to End of Chassis (CEC)	5855	7255
Front chassis height (HF)	925	925
Rear chassis height (HR)	985	985
Road clearance (at diff. case) (RC)	200	200
Front track (FT)	1925	1925
Rear track (RT)	1840	1840
Turning circle kerb to kerb	16,000	19,000
Turning circle wall to wall	17,450	20,450
<b>Chassis mass – kg</b> (with 50 litres of fuel, all seats occupied, standard tools but without spare tyre)		
Total	4780	4950
Front	2780	2970
Rear	2000	2080
GVM	15,500	15,500
GCM	30,000	30,000

### WARRANTY

New vehicle warranty period - Refer to Hino Truck Warranty for detailed information.

Medium Duty Model	500 FG 1527 Nine
Cab & Chassis	* 24 months or 150,000km
Engine & Powerlines	* 36 months or 200,000km

\* whichever occurs first.



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