



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

\* Illustration may contain item not standard to the model

## KEY FEATURES

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

## KEY SPECIFICATIONS

- GVM** . . . . . 14,000kg Opt 12,000kg
- GCM** . . . . . 22,000kg
- Power** . . . . . 191kW @ 2400 RPM
- Torque** . . . . . 794Nm @ 1500 RPM
- Transmission** . . . . . Six-speed OD synchromesh
- Wheelbase** . . . . . 4250mm (Medium), 4850mm (Long)





# FE 1426

## Engine & Driveline specifications

### ENGINE

Model . . . . .	Hino J07E-TN
Max. output (ISO Net) . . . . .	191kW (260 PS) at 2400 RPM
Max. output (JIS GROSS) . . . . .	195kW (265 PS) at 2400 RPM
Max. torque (ISO Net) . . . . .	794Nm (81kgf/m) at 1500 RPM
Max. torque (JIS GROSS) . . . . .	804Nm (82kgf/m) at 1500 RPM
Max. engine speed . . . . .	2400 RPM
Engine compliance . . . . .	ADR 80/03
Type . . . . .	Diesel, turbocharged & intercooled, five-cylinder in-line, overhead camshaft & water-cooled
Combustion system . . . . .	Direct injection with EGR
Bore & stroke . . . . .	112 x 130mm
Piston displacement . . . . .	6.403L
Compression ratio . . . . .	17:1
Engine oil capacity . . . . .	11.7L
Coolant capacity . . . . .	23.5L
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 . . . . .	70 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 . . . . .	LJ06S
Type . . . . .	Six forward & one reverse speeds, overdrive, synchromesh on 2nd to 6th
Control . . . . .	Cable with power shift
Rear axle gear ratio . . . . .	4.555:1

1st . . . . .	.6.477	5th . . . . .	.1.000
2nd . . . . .	.4.382	6th . . . . .	.0.723
3rd . . . . .	.2.450	Rev. . . . .	.6.064
4th . . . . .	.1.470		

### PERFORMANCE

Calculations based on 14.0 ton GVM, 265/70R19.5 tyre	
Engine RPM @ 100km/h . . . . .	2090
Max theoretical speed (km/h) . . . . .	115
Gradeability tan $\theta$ (%) @ GVM . . . . .	39.4

### BRAKES

Type . . . . .	Hydraulic system with two leading shoes front & rear acting on all wheels
Control . . . . .	Air over hydraulic, dual circuits
Drum diameter x lining . . . . .	
Width . . . . .	Front: 370 x 120mm
	Rear: 370 x 150mm
Air dryer . . . . .	Equipped
ABS . . . . .	Equipped
ASR (Anti Slip Regulator) . . . . .	Equipped
Parking brake . . . . .	Spring brake, acting on rear wheels
Exhaust brake . . . . .	Electric-pneumatic with valve in exhaust pipe
Easy Start . . . . .	Equipped

### AXLE LOAD & TYPE

Front axle . . . . .	5000
Rear axle . . . . .	9000
Front axle type . . . . .	LF458 series, Reversed Elliot, I-Beam
Rear axle type . . . . .	SH14 full-floating, single reduction, single-speed hypoid

### SUSPENSION

<b>Front suspension</b> Type . . . . .	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size . . . . .	1300 span x 70mm width
<b>Rear suspension</b> Type . . . . .	Semi-elliptic main & auxiliary leaf springs
Main springs . . . . .	1300 span x 70mm width
Auxiliary springs . . . . .	900 span x 70mm width

### WHEELS & TYRES

Wheel type . . . . .	Eight-stud disc wheel (JIS type) PCD 285
Rim size . . . . .	6.75 x 19.5 – offset 147mm
Tyre size . . . . .	265/70R19.5 – 140/138
Number of tyres . . . . .	Seven (including one spare)
Spare tyre carrier . . . . .	Equipped

### FUEL TANK

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



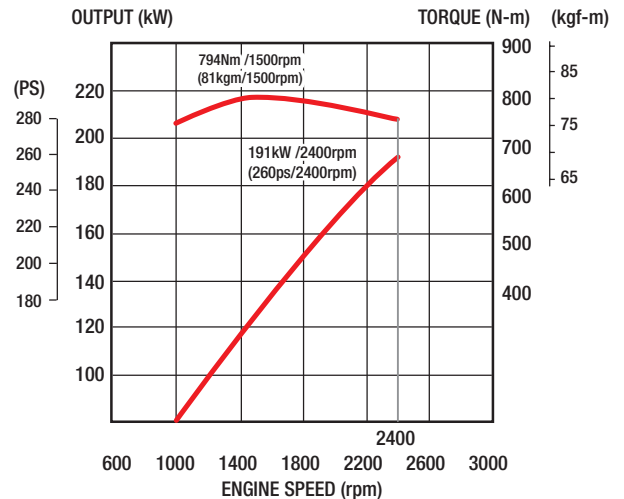
# FE 1426

## Cab, Instrumentation & Chassis

### CAB DETAILS

Type . . . . .	Forward control, all-steel construction with torsion bar tilt mechanism
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 & 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 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 with immobiliser
Heater and defroster . . . . .	Standard
Air conditioner . . . . .	Standard
Trim . . . . .	Full trim type (side, roof & back)
Cab pockets . . . . .	Equipped on both door sides
Power windows . . . . .	Equipped
Rest area . . . . .	Equipped
Car audio . . . . .	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Easy Start . . . . .	Equipped
Engine control link . . . . .	Equipped
Cup holder . . . . .	Equipped
Cruise Control . . . . .	Equipped

### POWER & TORQUE CHART (ISO Net) J07E-TN



### 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
  - Easy Start
  - Cruise Control
  - DPR regeneration
  - ASR off
- Warning, pilot lamps & buzzers**
  - Mirror controls
  - Oil pressure lamp & buzzer
  - Air pressure lamp & buzzer
  - Engine over-run buzzer
  - Coolant level lamp & buzzer
  - Brake fluid lamp & buzzer
  - Brake adjustment lamp & buzzer
  - High beam indicator lamp
  - Turn signal indicator lamp
  - Parking brake indicator lamp
  - Seat belt lamp & buzzer
  - Exhaust brake indicator lamp
  - Engine control system lamp
  - Hazard indicator lamp
  - Back-up 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 . . . . .	19:1
Steering angle . . . . .	<b>Inside:</b> 42° 30' - 45° 30' <b>Outside:</b> 35°

### CHASSIS FRAME

Type . . . . .	Ladder-shaped channel section side rails
Rear chassis width . . . . .	820mm
Main section (depth x flange x thickness) . . . . .	231 x 73 x 6.5mm (Medium) 233 x 78 x 7.5mm (Long)
Inner section (depth x flange x thickness) . . . . .	281 x 60 x 3.2mm
Tensile strength . . . . .	Main: 540N/mm <sup>2</sup> {55 kgf/mm <sup>2</sup> } Inner: 440N/mm <sup>2</sup> {45 kgf/mm <sup>2</sup> }
Hooks . . . . .	Equipped for front & rear
Chassis step . . . . .	Equipped
Factory FUP . . . . .	Equipped

### ELECTRICAL

Type . . . . .	24V, negative earth
Batteries . . . . .	12V x 2, series connection. Capacity 65Ah at 20-hour rate
Alternator type . . . . .	Brushless with built-in rectifier & voltage regulator
Capacity . . . . .	24V, 60A
Starter type . . . . .	24V, 4.5kW
Headlamps . . . . .	Halogen type including fog lamps
High/low beam . . . . .	Equipped
Fluorescent reading lamp . . . . .	Equipped
Electric horn . . . . .	Equipped

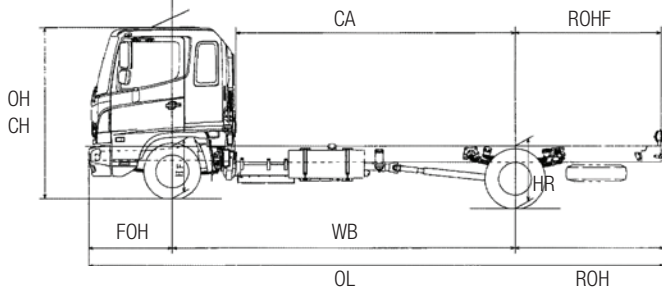
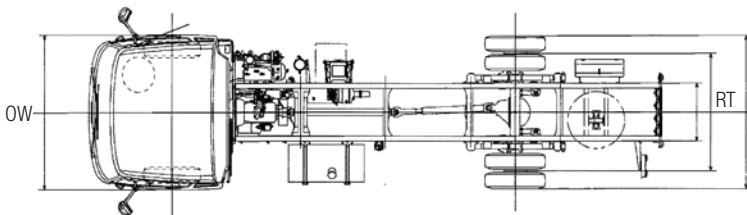


# FE 1426

## Dimensions

# 500

S E R I E S



### DIMENSIONS - mm / Capacities

<b>Model</b> Hino FE 1426 . . . . .	Medium . . . . .	Long . . . . .
Production code . . . . .	FE7JMA-QAU . . . . .	FE7JLMA-QAU . . . . .
Wheelbase (WB) . . . . .	4250 . . . . .	4850 . . . . .
Overall length (OL) . . . . .	7285 . . . . .	8135 . . . . .
Overall width (OW) . . . . .	2240 . . . . .	2240 . . . . .
Overall height (OH) . . . . .	2490 . . . . .	2490 . . . . .
Cab to rear axle centre (CA) . . . . .	3350 . . . . .	3950 . . . . .
Rear overhang at frame end (ROHF) . . . . .	1810 . . . . .	2060 . . . . .
Front chassis height (HF) . . . . .	815 . . . . .	815 . . . . .
Rear chassis height (HR) . . . . .	875 . . . . .	875 . . . . .
Road clearance (at diff. case) (RC) . . . . .	190 . . . . .	190 . . . . .
Front track (FT) . . . . .	1760 . . . . .	1760 . . . . .
Rear track (RT) . . . . .	1690 . . . . .	1690 . . . . .
Turning circle kerb to kerb . . . . .	15,000 . . . . .	16,800 . . . . .
Turning circle wall to wall . . . . .	16,400 . . . . .	18,200 . . . . .
<b>Chassis mass – kg</b> (standard tools, 10 litres of fuel, without spare tyre)		
Total . . . . .	3620 . . . . .	3700 . . . . .
Front . . . . .	2320 . . . . .	2375 . . . . .
Rear . . . . .	1300 . . . . .	1325 . . . . .
GVM* . . . . .	14,000 . . . . .	14,000 . . . . .
GCM . . . . .	22,000 . . . . .	22,000 . . . . .

### GENUINE ACCESSORY OPTIONS

Bull bar	Side skirts
Chrome wheel covers	Stoneguard
Sat Nav	Survivor
Rear vision camera (up to 3)	Timber dash panel
Roof scoop	Engine driven PTO 1:1.08 step-up

**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 FE 1426</b>	<b>4 x 2</b>	<b>3 years or 150,000km</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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