



**500**  
S E R I E S

# FE 1426 Air



\* Illustration may contain item not standard to the model

**4 x 2 Cab Chassis**

## KEY FEATURES

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

## KEY SPECIFICATIONS

<b>GVM</b> . . . . .	12,000kg
<b>GCM</b> . . . . .	22,000kg
<b>Power</b> . . . . .	191kW @ 2400 RPM
<b>Torque</b> . . . . .	794Nm @ 1500 RPM
<b>Transmission</b> . . . . .	Six-speed OD synchromesh
<b>Wheelbase</b> . . . . .	4850mm (Long), 5500mm (X Long)





# FE 1426 Air

FE7JLMG-QAU 1426 Air Long  
FE7JPMG-QAU 1426 Air X-Long

## 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	CSP 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, synchronesh 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

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

### SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1300 span x 70mm width
Rear suspension Type	Hendrickson HAS Air bag with shock absorbers

### WHEELS & TYRES

Wheel type	Eight-stud disc wheel (JIS type) PCD 275
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 & sedimenter	Equipped
Fuel tank cap key	Equipped



# FE 1426 Air

FE7JLMG-QAU 1426 Air Long  
FE7JPMG-QAU 1426 Air X-Long

## Cab, Instrumentation & Chassis

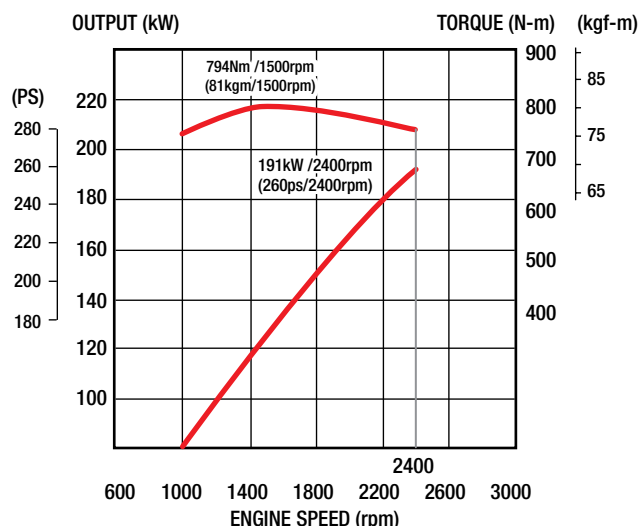
### CAB DETAILS

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: Heated & electric, 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 / CD & DVD player with Bluetooth
Speakers . . . . .	Driver & passenger sides
Foot rest . . . . .	Equipped
Easy Start . . . . .	Equipped
Engine control link . . . . .	Equipped
Cup holder . . . . .	Equipped
Cruise Control . . . . .	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

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



### INSTRUMENTS

- |  |   |
|--|---|
| <p><b>1. Meters &amp; gauges</b></p> <ul style="list-style-type: none"> <li>Speedometer with trip meter</li> <li>Odometer</li> <li>Tachometer</li> <li>Fuel gauge</li> <li>Coolant temperature gauge</li> <li>Air pressure gauge</li> </ul> <p><b>2. Switches</b></p> <ul style="list-style-type: none"> <li>One-key starting-stopping</li> <li>Lighting switch</li> <li>Directional indicator, dimmer &amp; passing</li> <li>Wiper &amp; washer</li> <li>Hazard lamp</li> <li>Exhaust brake</li> <li>Map lamp</li> <li>Fog lamp</li> <li>Easy Start</li> <li>Cruise Control</li> <li>DPR regeneration</li> <li>ASR off</li> </ul> | <ul style="list-style-type: none"> <li>Mirror controls</li> </ul> <p><b>3. Warning, pilot lamps &amp; buzzers</b></p> <ul style="list-style-type: none"> <li>Oil pressure lamp &amp; buzzer</li> <li>Air pressure lamp &amp; buzzer</li> <li>Engine over-run buzzer</li> <li>Coolant level lamp &amp; buzzer</li> <li>Brake fluid lamp &amp; buzzer</li> <li>Brake adjustment lamp &amp; buzzer</li> <li>High beam indicator lamp</li> <li>Turn signal indicator lamp</li> <li>Parking brake indicator lamp</li> <li>Seat belt lamp &amp; buzzer</li> <li>Exhaust brake indicator lamp</li> <li>Engine control system lamp</li> <li>Hazard indicator lamp</li> <li>Back-up buzzer</li> </ul> <p><b>4. Others</b></p> <ul style="list-style-type: none"> <li>Idle up control knob</li> <li>Horn button</li> <li>12V electric source</li> </ul> |
|--|---|

### 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°

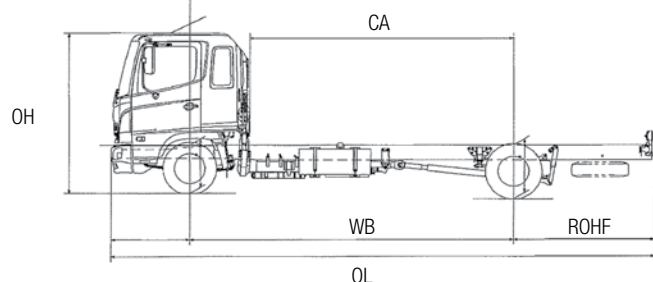
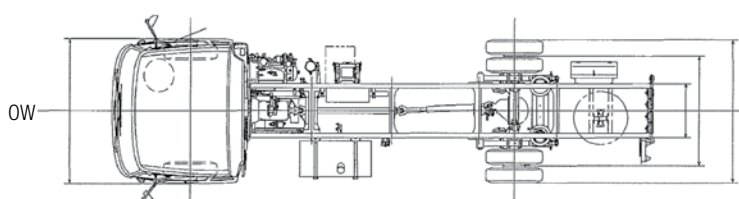
### CHASSIS FRAME

Type . . . . .	Ladder-shaped channel section side rails
Rear chassis width . . . . .	820mm
Main section (depth x flange x thickness) . . . . .	231.6 x 78 x 6.8mm
Inner section (depth x flange x thickness) . . . . .	218 x 60 x 3.2mm
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
Factory FUP . . . . .	Equipped



# FE 1426 Air

## Dimensions



### DIMENSIONS - mm / Capacities

<b>Model</b> Hino FE 1426 Air . . . . .	Long . . . . .	X Long
Production code . . . . .	FE7JLMG-QAU . . . . .	FE7JPMG-QAU
Wheelbase (WB) . . . . .	4850 . . . . .	5500
Overall length (OL) . . . . .	8135 . . . . .	9145
Overall width (OW) . . . . .	2240 . . . . .	2240
Overall height (OH) . . . . .	2490 . . . . .	2490
Cab to rear axle centre (CA) . . . . .	3950 . . . . .	4600
Rear overhang at frame end (ROHF) . . . . .	2060 . . . . .	2420
Front chassis height (HF) . . . . .	.815 . . . . .	815
Rear chassis height (HR) . . . . .	.840 . . . . .	840
Road clearance (at diff. case) (RC) . . . . .	.190 . . . . .	190
Front track (FT) . . . . .	1760 . . . . .	1760
Rear track (RT) . . . . .	1690 . . . . .	1690
Turning circle kerb to kerb . . . . .	16,800 . . . . .	18,800
Turning circle wall to wall . . . . .	18,200 . . . . .	20,200
<b>Chassis mass – kg</b> (standard tools, 10 litres of fuel, without spare tyre)		
Total . . . . .	3670 . . . . .	3770
Front . . . . .	2380 . . . . .	2420
Rear . . . . .	1290 . . . . .	1345
GVM* . . . . .	12,000 . . . . .	12,000
GCM . . . . .	22,000 . . . . .	22,000

\*Optional 12,000kg GVM available on application.

### WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty <small>(whichever comes first)</small>	Engine & Powerlines <small>(whichever comes first)</small>
500 FE 1426 Air	4 x 2	24 months or 100,000km	36 months or 150,000km

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