

HINO

500 Series

FD 1124

FD 1124 Air



ADR 80/03 Model
4 x 2 Cab Chassis

* Illustration may contain item not standard to the model

KEY FEATURES

- Cruise Control
- Anti-lock Brake System (ABS)
- Anti Slip Regulator (ASR) Traction Control (TC)
- Easy Start (ES) – Take-off Assist
- Optional Air Suspension on rear axle (except Medium)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- Front Underrun Protection (FUP) (ADR 84/00 Complied)
- ISRI 6860/870 Driver seat with integrated Safety Belt

KEY SPECIFICATIONS

GVM.	11,000kg
	Optional derate to 8,000kg
GCM.	20,000kg
Power	176kW @ 2400 RPM
Torque.	716Nm @ 1500 RPM
Transmission	Six-speed Over Drive Manual
Wheelbase	4250mm, 4850mm, 5500mm
Nominal Body Length	5845mm, 6805mm, 7845mm



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Engine & Driveline specifications

ENGINE

Model	Hino J07E-TP
Max. output (ISO NET)	176kW (240 HP) at 2400 RPM
Max output (JIS GROSS)	180kW (245 HP) at 2400 RPM
Max. torque (ISO NET)	716Nm (73kgf/m) at 1500 RPM
Max torque (JIS GROSS)	725Nm (74kgf/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	12.5L
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
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

CLUTCH

Model	CS-350 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	350mm
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Model	LX06S Overdrive
Type	Six-forward & one reverse speeds, overdrive, synchromesh on 2nd to 6th
Control	Cable with power shift
Rear axle gear ratio	4.333:1

1st	6.098	5th	1.000
2nd	3.858	6th	0.761
3rd	2.340	Rev.	5.672
4th	1.422		

PERFORMANCE

Calculations based on 11 ton GVM, 235/75R 17.5 tyre

Engine RPM @ 100km/h	2270
Max. speed (km/h)	106
Gradeability tan θ (%) @ GVM	45.1

BRAKES

Type	Hydraulic system with two leading shoes for front and rear acting on all wheels
Control	Air over hydraulic, dual circuits
Drum diameter x lining width	Front: 320 x 110mm Rear: 320 x 145mm
Air dryer	Equipped
ABS	Equipped
ASR (Anti Slip Regulator)	Equipped
Brake auto-shoe adjuster	Equipped
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe
Easy Start	Equipped

AXLE, SUSPENSION, TYRES & LOAD LIMITS

		Steel Rear Suspension		Air Rear Suspension
FRONT	Front Axle Model & Type	LF 466, Reverse Elliot I-Beam		
	Suspension	Tapered leaf springs with shock absorbers & stabiliser		
	Spring Dimensions & Spring Rates	1300 x 70mm & 23kgf/mm		
	Front Axle Limit (including suspension) (kg)	4100		
	Front Tyre Limit (kg)	4000		
REAR	Rear Axle Model & Type	SH13, fully floating, single reduction, single speed by Hypoid gears		
	Suspension	Tapered leaf springs with shock absorbers		Hendrickson HAS air bag with shock absorbers
	Spring Dimensions & Spring Rates Main/Auxiliary	1300 x 70mm 25kgf/mm	900 x 70mm 73.6kgf/mm	
	Rear Axle Limit (including suspension) (kg)	7000		
	Rear Tyre Limit (kg)	7600		

WHEELS & TYRES

Wheel type	Six-stud disc wheel (JIS type) PCD 222.25
Rim size	6.75 x 17.5 – offset 135mm
Tyre size	235/75R 17.5 -132/130
Number of tyres.	Seven (including one spare)
Spare tyre carrier	Equipped

FUEL TANK

Type	All steel rectangle
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped



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Cab, Instrumentation & Chassis

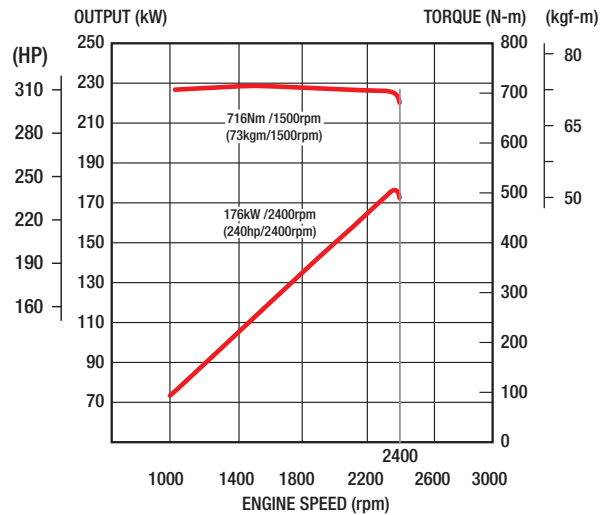
CAB DETAILS

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 6860/870 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 and 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 and 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 and 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 and back)
Cab pockets	Equipped on both door sides
Power windows	Equipped
Rest area	Equipped
Audio	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver and passenger sides
Foot rest	Equipped
Easy Start	Equipped
Cup holder	Equipped
Cruise Control	Equipped

ELECTRICAL

Type	24V, negative earth
Batteries	2 x 12V, series connection. Capacity 65Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier and 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-TP



INSTRUMENTS

- Meters & gauges**
 - Speedometer
 - Odometer with trip meter
 - Tachometer
 - Fuel gauge
 - Coolant temperature gauge
 - Air pressure gauges
- Switches**
 - One-key starting-stopping
 - Lighting
 - Directional indicator, dimmer and passing
 - Wiper and washer
 - Hazard lamp
 - Exhaust brake
 - Map lamp
 - Fog lamp
 - Easy Start
 - Cruise Control
 - DPR regeneration
 - ASR off
 - Mirror controls
 - PTO (optional)
- Warning, pilot lamps & buzzers**
 - Oil pressure warning lamp & buzzer
 - Air pressure warning lamp & buzzer
 - Engine over-run warning buzzer
 - Coolant level warning lamp & buzzer
 - Brake fluid level warning lamp & buzzer
 - Brake adjustment 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
- Multi information display**
 - Fuel consumption
 - Service reminders
 - Warnings
 - Faults

STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	19.0:1
Steering angle	Inside: 50-53° Outside: 39°

CHASSIS FRAME

Chassis Frame Dimensions	Medium	Long	XLong, Long Air & XLong Air
Type	Ladder-shaped channel section side rails		
Chassis width (at rear)	820mm		
Main section in mm (depth x flange x thickness)	228.6 x 73 x 5.2	231.6 x 73 x 6.5	231 x 73 x 6.5
Tensile strength	540N/mm ²		
Inner section in mm (depth x flange x thickness)	218 x 60 x 3.2		
Tensile strength	440N/mm ²		
Front Underrun Protection	Equipped		
Tow Hook (front and rear)	Equipped		

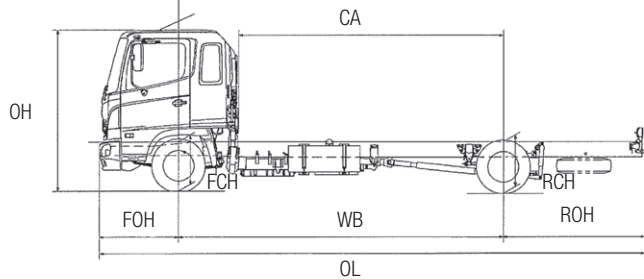
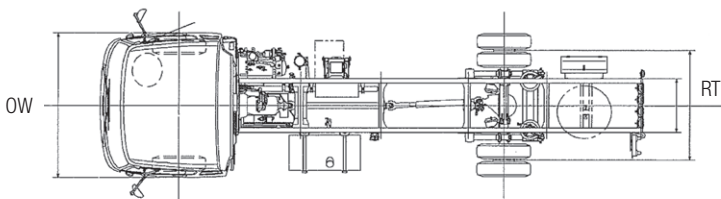
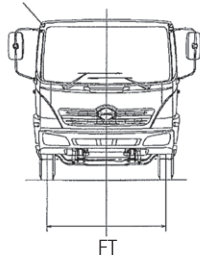


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Dimensions



DIMENSIONS – mm/capacities

Model Hino FD 1124	Medium	Long	XLong	Long Air	XLong Air
Product Code	FD7JJMA-HAU11	FD7JLMA-HAU11	FD7JPMA-HAU11	FD7JLMG-HAU11	FD7JPMG-HAU11
Nominal Body Length (WB x .6) + CA – 80)	5,820	6,780	7,820	6,780	7,820
Wheelbase (WB)	4,250	4,850	5,500	4,850	5,500
Overall Length (OL)	7,285	8,135	9,145	8,135	9,145
Overall Width (OW)	2,175	2,175	2,175	2,175	2,175
Overall Height (OH)	2,450	2,450	2,450	2,440	2,440
Cab to Rear Axle centre (CA)	3,350	3,950	4,600	3,950	4,600
Front Overhang (FOH)	1,185	1,185	1,185	1,185	1,185
Rear Overhang (ROH)	1,810	2,060	2,420	2,060	2,420
Front Chassis Height (FCH)	765	765	765	760	760
Rear Chassis Height (RCH)	855	855	855	780	780
Road Clearance	195	195	195	195	195
Front Track (FT)	1,780	1,780	1,780	1,780	1,780
Rear Track (RT)	1,660	1,660	1,660	1,660	1,660
Turning Circle Kerb to Kerb	13,400	15,200	17,000	15,200	17,000
Wall to Wall	14,800	16,600	18,400	17,600	18,400
Locking Fuel Tank Capacity (Lts)	200	200	200	200	200
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre) and subject to +/- 3% variance					
Total	3,275	3,365	3,430	3,370	3,430
Front	2,220	2,265	2,300	2,270	2,305
Rear	1,055	1,100	1,130	1,100	1,125
GVM STD	11,000	11,000	11,000	11,000	11,000
GVM Opt	8,000	8,000	8,000	8,000	8,000
GCM STD	20,000	20,000	20,000	20,000	20,000

GENUINE ACCESSORY OPTIONS

- Bull bar
- Chrome wheel covers
- GPS Navigation
- Rear vision camera (up to 3)
- LED driving lights
- Stoneguard
- Sunvisor
- Engine driven PTO 1:0.72 step-down or 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 <small>(whichever comes first)</small>	Cab corrosion perforation
500 FD 1124	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 *

DISCLAIMER

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