

HINO

500 Series

FD 1124 Manual FD 1124 Automatic FD 1124 Automated Manual



*Image may contain items not standard to the model

4 x 2 Cab Chassis

KEY FEATURES

Vehicle Stability Control (VSC) – Including ABS & TC
Pre-Collision System (PCS) – Including SE, AEB & PD
Lane Departure Warning System (LDWS)
Adaptive Cruise Control (ACC)
Engine Retarder Brake (Jake brake)
Reverse Camera
LED headlamps with integrated LED daytime running lamps
Drivers SRS Airbag
ISRI 6860 NTS2 Drivers seat with integrated safety belt
ECE-R29 Cab Strength Certified
post Post New Long Term (pPNLT)
(Euro 6 equivalent emissions)

KEY SPECIFICATIONS

GVM 11,000kg
 8,000kg Option
GCM MT and AT . . . 20,000kg
 AMT 16,000kg
Power 240hp/177kW
Torque 794Nm
Transmissions 6 speed Manual
 6 speed Automatic
 6 speed Automated Manual
Wheelbases 4.3m, 4.9m, 5.2m, 5.5m
**Max Nominal
Body Length** 5.8m, 6.8m, 7.2m, 7.8m

ENGINE

Model	Hino A05C-TE
Max. output (ISO NET)	240hp/177kW @ 2,300RPM
Max. torque (ISO NET)	794Nm @ 1,400RPM
Max. engine RPM	2550RPM
Engine compliance	ADR 80/03 using Japan pNLT
Type	Diesel, turbocharged & intercooled 4 cylinder with overhead camshaft
Combustion system	Direct injection with EGR
Bore & stroke	112 x 130mm
Piston displacement	5.123L
Compression ratio	17.5:1
Fuel injection	Electronic control common rail
Air compressor / bore & stroke	Single cylinder / 70 x 40mm
Air cleaner	Dual paper elements
Exhaust	Horizontal outlet RHS
Emission Control System	DPR & SCR (AdBlue®)
Hino Stop Start System (HSSS)	AMT & MT models only
Engine Immobiliser	Equipped

CLUTCH (Manual models only)

Model	CSP-350 (DSP 350 AMT)
Type	Dry single plate
Clutch plate	350mm Organic
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Make and description	Manual & AMT		Automatic	
	Hino LX06S, 6 speed synchromesh with cable shift & air assist (AMT is electronic control)		Allison 2500, 6 speed with Hino T-bar cable shift and MID gear display	
Type	Overdrive		Double overdrive	
Gear Ratios	1	6.098	1	3.512
	2	3.858	2	1.896
	3	2.340	3	1.439
	4	1.422	4	1.000
	5	1.000	5	0.737
	6	0.744	6	0.643
	Reverse	5.672	Reverse	5.086
Torque convertor & ratio			TC222	1.58
Rear axle ratio	4.625		4.333	
PTO option/Torque capacity	Single/245Nm		Dual/339Nm	

PERFORMANCE

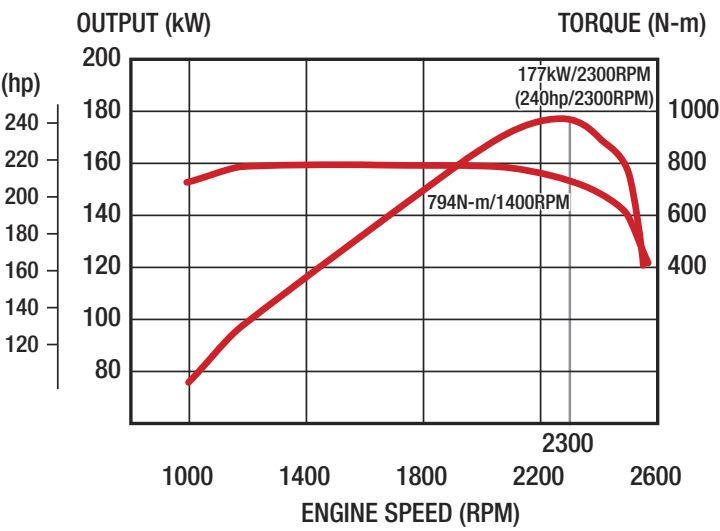
Calculations based on 11t GVM with 235/75R17.5 tyres		
Engine RPM @ 100km/h	2,374	1,922
Max theoretical speed (km/h)	108	134
Gradeability tan (%) @ GVM	55.8	45.5

BRAKES

Type	Drum brakes front and rear	
Control	Air Over Hydraulic (AOH), Dual circuit	
Drum diameter x lining width	Front	320 x 110mm
	Rear	320 x 120mm
Air Dryer	Equipped	
Vehicle Stability Control (VSC)	Equipped	
Pre-Collision System (PCS)	Equipped	
Anti-lock Brake System (ABS)	Equipped	
Traction Control (TC)	Equipped	
Park brake	Spring brake acting on rear wheels	
Easy Start (ES)	Equipped on AMT & MT models	
Exhaust & engine brake (Jake Brake)	Equipped	

POWER & TORQUE CHART (ISO Net) A05C-TE

A05C-TE



SAFETY FEATURES

Active Safety Features		
Vehicle Stability Control	VSC	Equipped
Anti-lock Brake System	ABS	Equipped
Pre-Collision System	PCS	Equipped
PCS is inclusive of	Safety Eye	SE
	Autonomous Emergency Braking	AEB
	Pedestrian Detection	PD
Traction Control	TC	Equipped
Lane Departure Warning System	LDWS	Equipped
Staggering Warning	SW	Equipped
Adaptive Cruise Control	ACC	Equipped
Reverse Camera	RC	Equipped
Easy Start hill assist	ES	Equipped (AMT & MT models only)
Passive Safety Features		
SRS airbag for driver		Equipped
SRS Seat belt pretensioner for driver		Equipped
Front Underrun Protection device (FUPD)		Equipped
ECE-R29 Cab Strength Certified		Equipped

SUSPENSION & LOAD LIMITS

FRONT	Front axle model	LF 456		
	Front axle type	I-Beam, reverse elliot		
	Suspension	Taper leaf springs with shock absorbers and stabiliser		
	Spring Dimensions	1300 x 70mm		
	Number	3		
	Spring rate (kgf/mm²)	23.0		
	Axle limit (including suspension)	4,100kg		
	Tyre limit	4,000kg		
REAR	Rear axle model	SH13		
	Rear axle type	Fully floating, single reduction by hypoid gears		
	Rear suspension types	Leaf		Air
	Suspension description	Multi leaf with auxiliary		Hendrickson HAS 200 with shock absorbers and mechanical ride height valve
	Spring dimensions	Main	Auxiliary	
	Length and width (mm)	1,300 x 70	900 x 70	
	Number	8	9	
	Spring rate (kgf/mm²)	25	74	
	Axle limit (including suspension)	7,000kg		
	Tyre limit	7,600kg		

CHASSIS FRAME

Chassis frame wheelbase variants	FD2AJ	FD2AL, FD2AM and FC2AP
Main section in mm (depth x flange x thickness)	228.4 x 73 x 5.2	231.6 x 73 x 6.8
Chassis width (at rear)	820mm	
Tensile strength	540 N/mm ² (55 kgf/mm ²)	
Front Underrun Protection Device (FUPD)	Equipped	
Tow hook capacity (front and rear)	2,000 kgf (max angle of 15°)	
Type	Ladder-shaped channel section side rails	

WHEELS & TYRES

Wheel type	6 stud disc wheel (JIS type) PCD 222.25
Rim size	6.75 x 17.5 with 135 mm offset
Tyre size	235/75R17.5 132/130
Number of tyres	7 including the spare
Spare tyre carrier	Equipped

FUEL TANK

Material	Steel
Fuel capacity	200L
Lockable fuel cap	Equipped
Prefilter & sedimenter	Equipped
Adblue® capacity	19L

ELECTRICAL

Type	24 volt negative earth
Batteries	12 volt x 2 (65D23L) AT Models
	12 volt x 2 (80D26L) MT & AMT models
Alternator capacity	24 volt x 90 amp
Starter type	24 volt x 4.5kW
Headlamps	LED main beam with LED daytime running lamps
LED cornering/Fog lamps	Equipped
LED Interior and reading lamp	Equipped
Electric air horn	Equipped
CANBUS connected	Equipped J1939 protocol (see BMM for details)

STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with integral power steering.			
Gear ratio	19.0:1			
Steering angles	Inside	53°	Outside	38°

GENUINE ACCESSORY OPTIONS

Bull bar options (see dealer for variants)	Phone charge mat
Dash mat	Lane change assist cameras
Sunvisor	Truck specific GPS nav with live traffic
Chrome wheel simulators	DVR Camera system (Dash Cam)
Seat covers	Hino Traq telematics
Floor mats	Tyre Pressure Monitoring System (TPMS)
Engine live drive PTO (343Nm @ 1:1)	Additional cameras (up to 3)

CAB DETAILS

Type	Forward control, rest cab, all steel construction with torsion bar tilt mechanism
Grille colour	Chrome plate
ADR 42 sleeper berth	Compliant
Seating capacity	3
Drivers seat	ISRI 6860 NTS2 air suspension, 10 way adjustable with integrated safety belt and rear pocket
Side passenger seat	High back and reclining seat
Centre seat	Foldaway type with integrated tray
Seat belts	3 point lap sash for driver and side passenger
	2 point lap for centre position
Sunvisor and overhead console	For driver and passenger sides
Windscreen wipers	2 arm wiper and washers, 2 speed with intermittent
Cab heater and air conditioner	Equipped with 4 speed fan
Rear view mirrors	External : Electric & heated, 2 flat type
	2 convex spotters & kerb view
Auxiliary power supply	12 volt 120W socket and USB 2.1 amp
Floor covering	Vinyl type
Central locking and keyless entry	Equipped with immobiliser
Cab storage pockets	Equipped in both side doors
Power windows	Equipped
Foot rest	Equipped
Cup holders	3 centre and 2 door beverage holders
Multimedia System	6.5" LCD, HD touch screen display with DAB+ AM/ FM radio, AUX input, Bluetooth®4.1 , Android 6.0, CANBUS connected and Wi-Fi enabled

INSTRUMENTATION

Meters	Steering wheel controls
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	Additional switches and controls
LCD display	External flat mirror control
Time	VSC off
Temperature Gauge	PCS off
Adblue® Gauge	LDWS off
Fuel Gauge	Idle up
Odometer	Quick warm up
Hour Meter	ES start control (AMT & MT models only)
Date & Day	Mirror heater
Multi Information Display (MID)	Engine brake
General information	Power and economy (AMT & AT models only)
Cruise Control setting	DPR regeneration
Eco Tree	Hino Stop Start (AMT & MT models only)
Display setting	Electric window lock out
Safe driving settings	Head light leveller
System Check	ECO Run (AMT & MT models only)
Gear position (AT models only)	Suspension Dump (Air suspension models only)

FD 1124 Manual

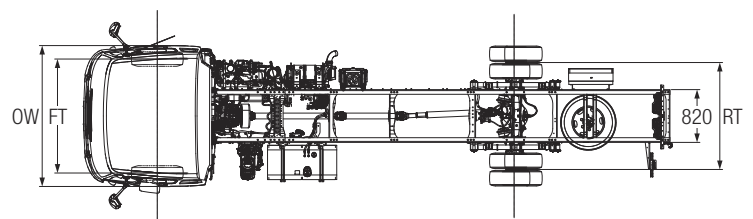
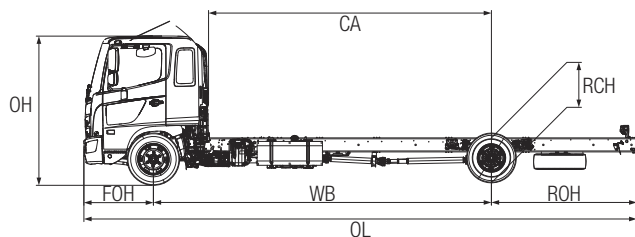
FD 1124 Automatic

FD 1124 Automated Manual

500 Series

DIMENSIONS – mm/WEIGHTS – kg

Model	FD 1124														
Transmission	Manual							Automatic							AMT
Suspension	Leaf				Air			Leaf				Air			Leaf
Wheel base (WB)	4,290	4,890	5,190	5,540	4,890	5,190	5,540	4,290	4,890	5,190	5,540	4,890	5,190	5,540	4,890
Product Code	FD2AJ1A -DBCAE	FD2AL1A -DBCAE	FD2AM1A -DBCAE	FD2AP1A -DBCAE	FD2AL1G -DBCAE	FD2AM1G -DBCAE	FD2AP1G -DBCAE	FD2AJ1A -DXCAE	FD2AL1A -DXCAE	FD2AM1A -DXCAE	FD2AP1A -DXCAE	FD2AL1G -DXCAE	FD2AM1G -DXCAE	FD2AP1G -DXCAE	FD2AL1A -DMCAE
OL	7,285	8,135	8,635	9,145	8,135	8,635	9,145	7,285	8,135	8,635	9,145	8,135	8,635	9,145	8,135
OW	2,190														
OH	2,450				2,440			2,450				2,440			2,450
CA	3,365	3,965	4,265	4,615	3,965	4,265	4,615	3,365	3,965	4,265	4,615	3,965	4,265	4,615	3,965
FOH	1,145														
ROH	1,810	2,060	2,260	2,420	2,060	2,260	2,420	1,810	2,060	2,260	2,420	2,060	2,260	2,420	2,060
RCH (at axle)	860				780			860				780			860
FT	1,780														
RT	1,660														
Kerb to Kerb	13,600	15,400	16,200	17,200	15,400	16,200	17,200	13,600	15,400	16,200	17,200	15,400	16,200	17,200	15,400
Wall to Wall	15,000	16,800	17,600	18,600	16,800	17,600	18,600	15,000	16,800	17,600	18,600	16,800	17,600	18,600	16,800
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)															
Total	3,425	3,520	3,565	3,585	3,520	3,560	3,585	3,445	3,560	3,585	3,605	3,560	3,580	3,605	3,550
Front	2,335	2,390	2,415	2,425	2,405	2,425	2,440	2,355	2,420	2,435	2,450	2,435	2,445	2,460	2,410
Rear	1,090	1,130	1,150	1,160	1,115	1,135	1,145	1,090	1,140	1,150	1,155	1,125	1,135	1,145	1,140
GVM	11,000 (optional 8,000 available on application)														
GCM	20,000														16,000



Drawings are for reference only to the table. For specific chassis layouts and dimensions please refer to Body Mounting Manual drawings.

WARRANTY

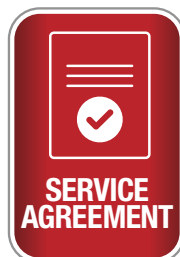
New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	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 *

* For conditions, refer to the Hino Parts & Service warranty brochure



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