

HINO

500 Series

FD 1124 Crew } Manual &
FE 1424 Crew } Automatic



*Image may contain items not standard to the model

4 x 2 Crew 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 Driver and front passenger seat with integrated safety belt
ECE-R29 Cab Strength Certified
post Post New Long Term (pPNLT)
(Euro 6 equivalent emissions)

KEY SPECIFICATIONS

	FD 1124 Crew	FE 1424 Crew
GVM	11,000kg	14,000kg
	8,000kg Option	12,000kg Option
GCM	20,000kg	22,000kg Manual
		21,000kg Automatic
Power	240hp/177kW	240hp/177kW
Torque	794Nm	833Nm
Transmissions	6 speed Manual	7 speed Manual
	6 speed Automatic	6 speed Automatic
Wheelbases	5.5m	5.5m
Max Nominal Body Length	7.1m	7.1m

ENGINE

	FD 1124 Crew	FE 1424 Crew
Model	Hino A05C-TE	Hino A05C-TD
Max. output (ISO NET) @ 2,300RPM	240hp/177kW	
Max. torque (ISO NET) @ 1,400RPM	794Nm	833Nm
Max. engine RPM	2550RPM	
Engine compliance	ADR 80/03 using Japan pPNLT	
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)	MT models only	
Engine Immobiliser	Equipped	

CLUTCH (Manual models only)

	CSP-350	CSP-380
Model	CSP-350	CSP-380
Type	Dry single plate	
Clutch plate	350mm Organic	380mm Organic
Control	Hydraulic with air booster	

TRANSMISSION & GEAR RATIOS

Make and description	FD 1124 Crew		FE 1424 Crew	
	Manual	Automatic	Manual	Automatic
	Hino LX06, 6 speed	Allison 2500, 6 speed	Hino MX07, 7 speed	Allison 2500, 6 speed
Type	OD	DOD	DOD	DOD
Gear Ratios	1	6.098	3.512	6.515
	2	3.858	1.896	4.224
	3	2.340	1.439	2.441
	4	1.422	1.000	1.473
	5	1.000	0.737	1.000
	6	0.744	0.643	0.746
	7			0.578
Reverse	5.672	5.086	6.991	5.086
Torque convertor & ratio	TC222	1.58		1.58
Rear axle ratio	4.625	4.333	5.428	4.875
PTO option/Torque capacity	235Nm	339Nm	235Nm	339Nm

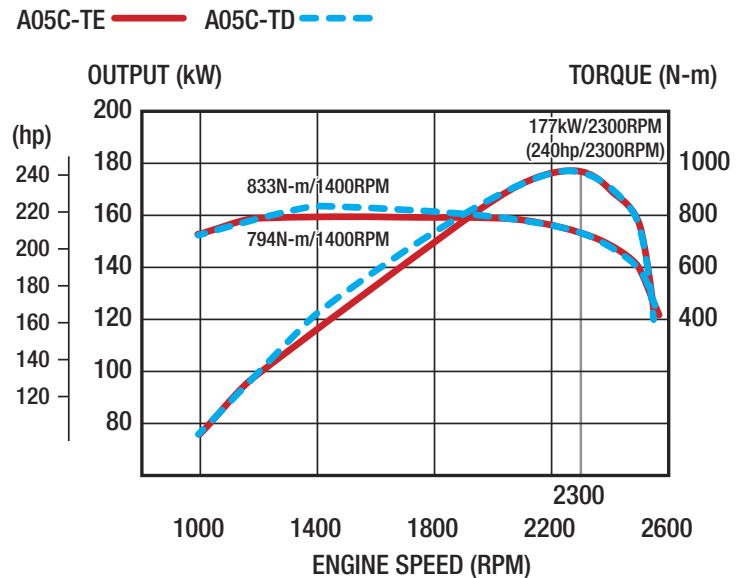
PERFORMANCE

	FD 1124 Crew	FE 1424 Crew
Model	FD 1124 Crew	FE 1424 Crew
GVM calculations are based on	11,000kg	14,000kg
Tyre size	235/75R17.5	265/70R19.5
Transmission	Manual	Auto
Engine RPM @ 100km/h	2,374	1,922
Max theoretical speed (km/h)	108	134
Gradeability tan (%) @ GVM	55.8	45.5
Speed limiter to (km/h)	N/A	100

BRAKES

	FD 1124 Crew	FE 1424 Crew
Model	FD 1124 Crew	FE 1424 Crew
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	370 x 120mm 370 x 150mm
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	
Hino Easy Start (ES)	Equipped on Manual models	
Exhaust & engine brake (Jake Brake)	Equipped	

POWER & TORQUE CHART (ISO Net) A05C-TE AND A05C-TD



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 (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

	FD 1124 Crew	FE 1424 Crew	
Model	FD 1124 Crew	FE 1424 Crew	
FRONT	Front axle model	LF 456	
	Front axle type	LF 45I	
	Suspension	I-Beam, reverse ellipt	
	Suspension	Taper leaf springs with shock absorbers and stabiliser	
	Spring Dimensions	1300 x 70mm	
	Number	3	
	Spring rate (kgf/mm ²)	23.0	
	Axle limit (including suspension)	4,100kg	
REAR	Tyre limit	5,000kg	
	Rear axle model	SH13	
	Rear axle type	SH14	
	Rear axle type	Fully floating, single reduction by hypoid gears	
	Rear suspension types	Leaf	
	Suspension description	Leaf	
	Suspension description	Multi leaf main and auxiliary with shock absorbers	
	Suspension description	Taper leaf main and auxiliary with shock absorbers	
FRONT	Spring dimensions	Main: 1,300 x 70, Auxiliary: 900 x 70	
	Length and width (mm)	Main: 1,300 x 70, Auxiliary: 900 x 70	
	Number	8	
	Spring rate (kgf/mm ²)	25	
	Axle limit (including suspension)	7,000kg	
	Tyre limit	7,600kg	
	REAR	Spring dimensions	Main: 1,300 x 70, Auxiliary: 900 x 70
		Length and width (mm)	Main: 1,300 x 70, Auxiliary: 900 x 70
Number		4	
Spring rate (kgf/mm ²)		29	
Axle limit (including suspension)		9,000kg	
Tyre limit		9,400kg	

CHASSIS FRAME

Chassis frame variants	FD 1124 Crew	FE 1424 Crew
Main section in mm (depth x flange x thickness)	231.6 x 73 x 6.8	231.6 x 78 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

Model	FD 1124 Crew	FE 1424 Crew
Wheel type	6 stud disc wheel (JIS type) PCD 222.25	8 stud disc wheel (ISO type) PCD 275
Rim size	6.75 x 17.5 with 135mm offset	6.75 x 19.5 with 147mm offset
Tyre size	235/75R17.5 132/130	265/70R19.5 140/138
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 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	FD 1124 Crew	Inside	53°	Outside	38°
	FE 1424 Crew	Inside	43°	Outside	34°

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, crew cab, all steel construction with electro hydraulic tilt mechanism
Grille colour	Chrome plate
Seating capacity	6 Opt 7 (refer to dealer for conditions)
Drivers seat	ISRI 6860 NTS2 air suspension, 10 way adjustable with integrated safety belt and rear pocket
Front side passenger seat	ISRI 6860 NTS2 air suspension, 10 way adjustable with integrated safety belt and rear pocket
Rear crew seats	Fixed bench type
Seat belts	3 point lap sash for driver and side passengers
	2 point lap for centre positions
Sunvisor and overhead console	For driver and front side passenger
Windscreen wipers	2 arm wiper and washers, 2 speed with intermittent
Cab heater and air conditioner	Equipped with 4 speed fan
	Rear heater and fan located under the seat
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 front 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

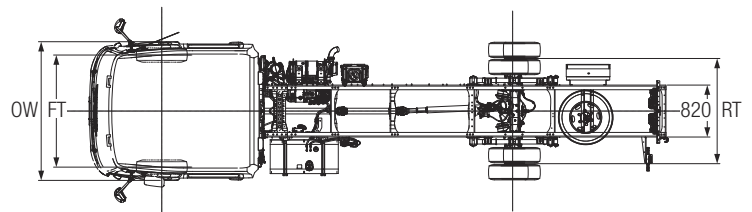
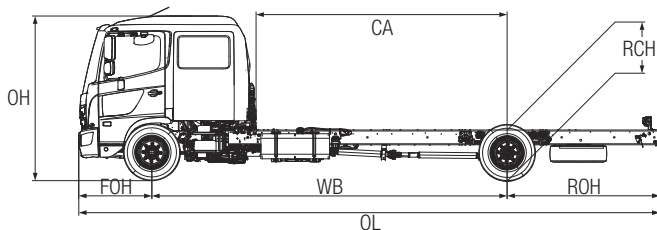
Meters	Steering wheel controls
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	Additional switches and controls
LCD display	External flat mirror control
Time	VSC off
Temperature Gauge	PCS off
Adblue® Gauge	LDWS off
Fuel Gauge	Idle up
Odometer	Quick warm up
Hour Meter	ES start control (MT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

FD 1124 Crew FE 1424 Crew

500 Series

DIMENSIONS – mm/WEIGHTS – kg

Model	FD 1124 Crew		FE 1424 Crew	
	Manual	Automatic	Manual	Automatic
Suspension	Leaf			
Wheel base (WB)	5,540			
Product Code	FD2AP1A-DBGAE	FD2AP1A-DXGAE	FE2AP1A-ECGAE	FE2AP1A-EXGAE
OL	9,145			
OW	2,190		2,240	
OH	2,565	2,560	2,620	
CA	3,900			
FOH	1,145			
ROH	2,420			
RCH (at axle)	860		920	
FT	1,780		1,760	
RT	1,660		1,690	
Kerb to Kerb	17,200		19,400	
Wall to Wall	18,600		20,800	
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)				
Total	3,825	3,845	4,335	4,245
Front	2,625	2,645	2,860	2,795
Rear	1,200		1,475	1,450
GVM	11,000 (optional 8,000 available on application)		14,000 (optional 12,000 available on application)	
GCM	20,000		22,000	21,000



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 Crew and FE 1424 Crew	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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