

# 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

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

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	Automatic
	Hino LX06, 6 speed	Allison 2500, 6 speed	Allison 2500, 6 speed
Type	OD	DOD	DOD
Gear Ratios	1	6.098	3.512
	2	3.858	1.896
	3	2.340	1.439
	4	1.422	1.000
	5	1.000	0.737
	6	0.744	0.643
	Reverse	5.672	5.086
Torque convertor & ratio	TC222	1.58	1.58
Rear axle ratio	4.625	4.333	4.875
PTO option/Torque capacity	235Nm	339Nm	339Nm

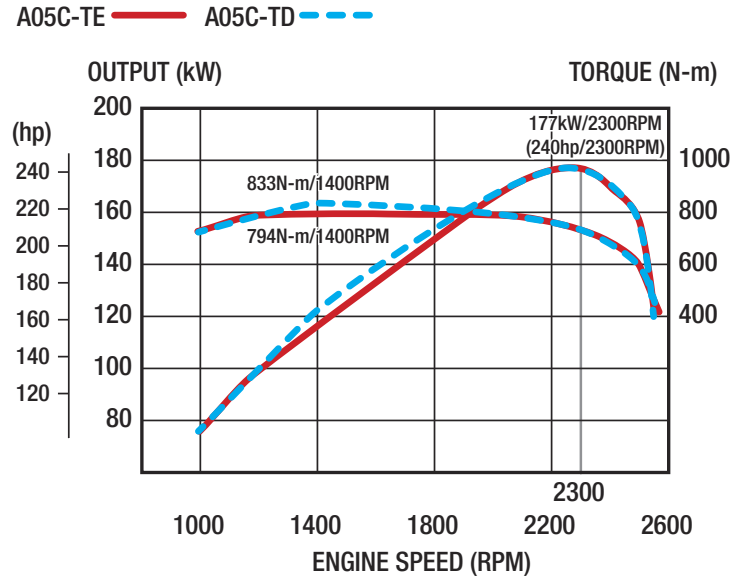
## PERFORMANCE

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

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
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

Model	FD 1124 Crew	FE 1424 Crew	
FRONT	Front axle model	LF 456	
	Front axle type	LF 45I	
	Suspension	I-Beam, reverse elliptical	
	Suspension	Taper leaf springs with shock absorbers and stabiliser	
	Spring Dimensions	1300 x 70mm	
	Number	3	4
	Spring rate (kgf/mm <sup>2</sup> )	23.0	27.0
	Axle limit (including suspension)	4,100kg	5,000kg
REAR	Tyre limit	4,000kg	5,000kg
	Rear axle model	SH13	SH14
	Rear axle type	Fully floating, single reduction by hypoid gears	
	Rear suspension types	Leaf	Leaf
	Suspension description	Multi leaf main and auxiliary with shock absorbers	Taper leaf main and auxiliary with shock absorbers
	Spring dimensions	Main	Auxiliary
	Length and width (mm)	1,300 x 70	900 x 70
	Number	8	9
Spring rate (kgf/mm <sup>2</sup> )	25	74	
Axle limit (including suspension)	7,000kg	9,000kg	
Tyre limit	7,600kg	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 <sup>2</sup> (55 kgf/mm <sup>2</sup> )	
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 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

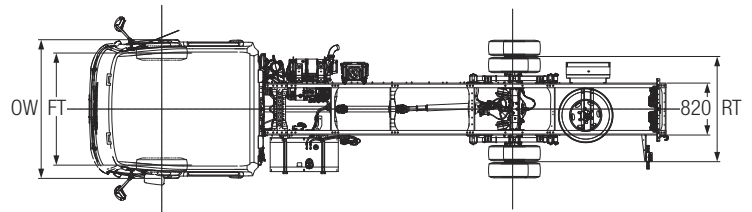
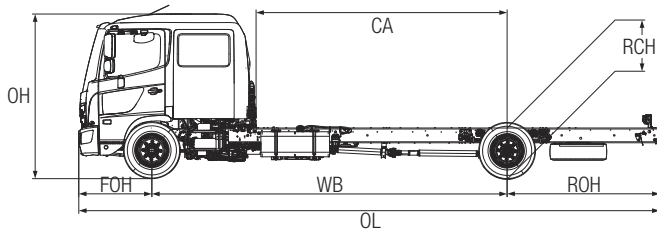
<b>Meters</b> Speedometer Tachometer Air Gauges <b>LCD display</b> Time Temperature Gauge Adblue® Gauge Fuel Gauge Odometer Hour Meter Date & Day <b>Multi Information Display (MID)</b> General information Cruise Control setting Eco Tree Display setting Safe driving settings System Check Gear position (AT models only)	<b>Steering wheel controls</b> Cruise control MID controls <b>Additional switches and controls</b> External flat mirror control VSC off PCS off LDWS off Idle up Quick warm up ES start control (MT models only) Mirror heater Engine brake Power and economy (AT models only) DPR regeneration Hino Stop Start (MT models only) Electric window lock out Head light leveller ECO Run (MT models only)
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# FD 1124 Crew FE 1424 Crew

# 500 Series

## DIMENSIONS – mm/WEIGHTS – kg

Model	FD 1124 Crew		FE 1424 Crew
Transmission	Manual	Automatic	Automatic
Suspension	Leaf		
Wheel base (WB)	5,540		
Product Code	FD2AP1A-DBGAE	FD2AP1A-DXGAE	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	4,245
Front	2,625	2,645	2,795
Rear	1,200		1,450
GVM	11,000 (optional 8,000 available on application)		14,000 (optional 12,000 available on application)
GCM	20,000		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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