

# HINO

## 500 Series

## FC 1124 Tipper



\*Image may contain items not standard to the model

**4 x 2 Tipper**

## 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  
 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** . . . . . 16,000kg  
**Power** . . . . . 240hp/177kW  
**Torque** . . . . . 794Nm  
**Transmissions** . . . . . 6 speed Manual  
**Wheelbases** . . . . . 3.8m  
**Tipper Body Length** . . . . . 3.6m, 4.0m

## 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 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®)
Engine Immobiliser	Equipped

## CLUTCH (Manual models only)

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

## TRANSMISSION & GEAR RATIOS

Make and description	Manual	
	Hino LX06S, 6 speed synchromesh with cable shift & air assist	
Type	Overdrive	
Gear Ratios	1	6.098
	2	3.858
	3	2.340
	4	1.422
	5	1.000
	6	0.744
	Reverse	5.672
Rear axle ratio	4.625	

## PERFORMANCE

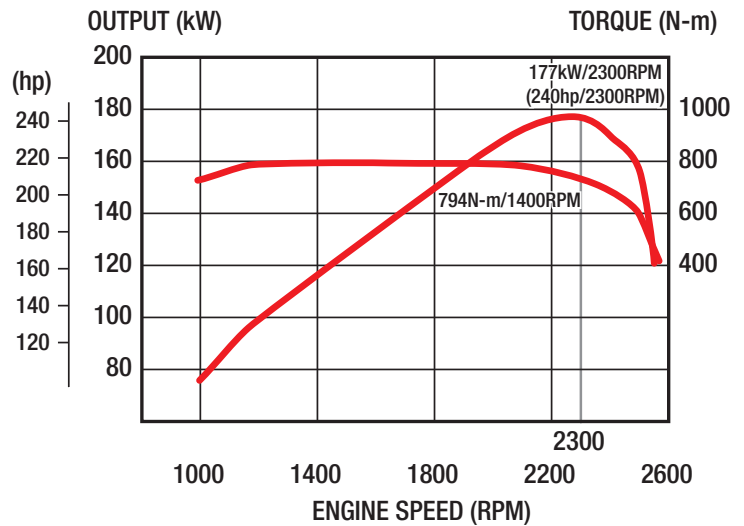
Calculations based on 11t GVM with 235/75R17.5 tyres	
Engine RPM @ 100km/h	2,374
Max theoretical speed (km/h)	108
Gradeability tan (%) @ GVM	55.8

## 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	Drum acting on transmission output shaft	
Hino Easy Start (ES)	Equipped	
Exhaust & engine brake (Jake Brake)	Equipped	
Brake lock	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

### 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

		LF 456	
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/mm <sup>2</sup> )	23.0	
REAR	Axle limit (including suspension)	4,100kg	
	Tyre limit	4,000kg	
	Rear axle model	SH13	
	Rear axle type	Fully floating, single reduction by hypoid gears	
	Suspension description	Multi leaf with auxiliary	
	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		
Tyre limit	7,600kg		

## CHASSIS FRAME AND TIPPER CONSTRUCTION

Chassis frame wheelbase variants	FC2AG
Main section in mm (depth x flange x thickness)	228.4 x 73 x 5.2
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
Tipper deck plate thickness	6mm
Tipper side, front and tailgate thickness	3.2mm

## 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)
Alternator capacity	24 volt x 90 amp
Starter type	24 volt x 4.5kW
Headlamps	Halogen
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)
	Retracting tipper tarp

Please check with your dealer for price, availability & fitment of these options.

## CAB DETAILS

Type	Forward control, day cab, all steel construction with torsion bar tilt mechanism
Grille colour	Matt grey
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

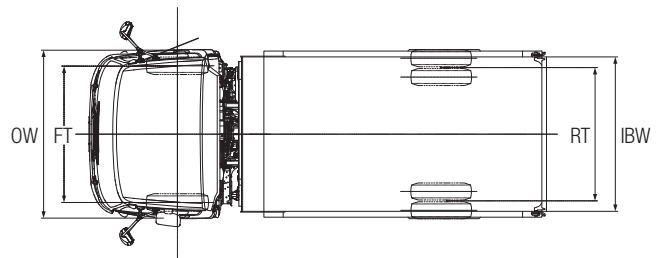
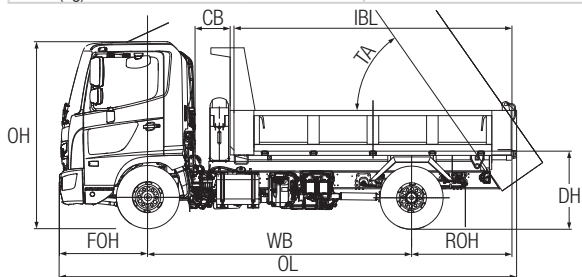
<b>Meters</b>	<b>Steering wheel controls</b>
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	<b>Additional switches and controls</b>
<b>LCD display</b>	External flat mirror control
Time	VSC off
Temperature Gauge	PCS off
Adblue® Gauge	LDWS off
Fuel Gauge	Idle up
Odometer	Quick warm up
Hour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

# FC 1124 Tipper



## DIMENSIONS – mm/WEIGHTS – kg

Model Description	FC 1124 MT LEAF 3850 TIPPER3.6	FC 1124 MT LEAF 3850 TIP PRO 4
Wheelbase (WB)		3,850
Body	3.6 M	4.0 M
Product Code	FC2AG1A-DBAAE T3.6	FC2AG1A-DBAAE TP4.0
Overall length (OL)	6,330	6,660
Overall width (OW)	2,190	2,250
Overall height (OH)		2,450
Front Overhang (FOH)		1,145
Rear Overhang (ROH)	1,280	1,565
Front Track (FT)	1,780	1,400
Rear Track (RT)	1,660	1,435
Turning Circle	Kerb to Kerb	12,400
	Wall to Wall	13,800
<b>Tipper body dimensions and features</b>		
Inside body length (IBL)	3,600	4,000
Inside body width (IBW)	2,000	2,060
Deck height (DH)		1,180
Cab to body (CB)	830	715
Tipper volume	3.6m <sup>3</sup>	3.5m <sup>3</sup>
Tipping angle (TA)	55°	50°
2 way gate hinging from top and bottom	Equipped	N/A
2 way gate hinging from top and both sides	N/A	Equipped
Rope rails	N/A	Equipped
Drop side height	510	430
Safety prop		Equipped
Body lock	N/A	Equipped
Indicative Chassis Mass – kg (STD tools, 10 litres of fuel, spare tyre & subject to a ±3% tolerance)		
Total	4,780	4865
Front	2,377	2354
Rear	2,403	2511
GVM (kg)	11,000 (optional 8,000 available on application)	
GCM (kg)	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
<b>500 FC 1124 TIPPER</b>	<b>4 x 2</b>	<b>3 years or 150,000km</b>	<b>36 months</b>

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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