# HINO

# FC 1124 Tipper

# 500 Series



\*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**

<b>GVM</b>
<b>GCM</b>
<b>Power</b>
<b>Torque</b>
<b>Transmissions</b> 6 speed Manual
$\textbf{Wheelbases}. \hspace{0.1in} $
<b>Tipper Body Length</b>



#### **ENGINE**

Model	Hino A05C-TE	
Max. output (ISO NET)	240hp/177kW @ 2,300RPM	
1 ( /	' '	
Max. torque (ISO NET)	794Nm @ 1,400RPM	
Max. engine RPM	2550RPM	
Engine compliance	ADR 80/03 using Japan pPNLT	
Туре	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**

	Man	ual
Make and description	Hino LX06S, 6 speed sync & air a	
Туре	Overc	Irive
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	4.62	25
PTO option/Torque capacity	Single/2	45Nm

#### **PERFORMANCE**

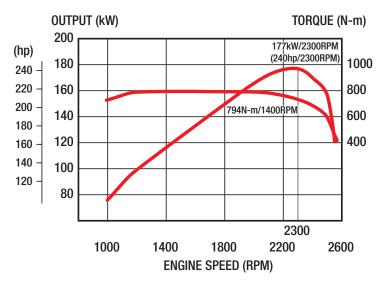
Calculations based on 11t GVM with 235/75R17.5 tyres	
Engine RPM @ 100km/h	2,374
Max theoretical speed (km/h)	108
Gradeability tan (%) @ GVM	55.8

#### **BRAKES**

Туре	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 on Manual models	
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	Ed	quipped
Pre-Collision System	PCS	Equipped	
	Safety Eye		SE
PCS is inclusive of	Autonomous Emergency	/ Braking	AEB
	Pedestrian Detection		PD
Traction Control	TC	Equipped	
Lane Departure Warning System	LDWS	Equipped	
Staggering Warning	SW	Ed	quipped
Adaptive Cruise Control	ACC	Ed	quipped
Reverse Camera	RC	Ed	quipped
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**

	Front axle model	LF 4	156
	Front axle type	I-Beam, rev	verse elliot
	Suspension	Taper leaf springs with shock absorbers and stabiliser	
FRONT	Spring Dimensions	1300 x 70mm	
FE	Number	3	
	Spring rate (kgf/mm²)	23.0	
	Axle limit (including suspension)	4,10	0kg
	Tyre limit	4,000kg	
	Rear axle model	SH13	
	Rear axle type	Fully floating, single reduction by hypoid gears	
	Rear suspension types	Leaf	
	Suspension description	Multi leaf with auxiliary	
REAR	Spring dimensions	Main	Auxiliary
뀚	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	7,60	0kg

#### **CHASSIS FRAME AND TIPPER CONSTRUCTION**

Chassis frame wheelbase variants	FC2AE	FC2AG
Main section in mm (depth x flange x thickness)	229.4 x 78 x 5.7	228.4 x 73 x 5.2
Chassis width (at rear)	820mm	
Tensile strength	540 N/mm² (55 kgf/mm²)	
Front Underrun Protection Device (FUPD)	Equipped	
Tow hook capacity (front and rear)	2,000 kgf (max angle of 15°)	
Туре	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 (100L FC2AE)	
Lockable fuel cap	Equipped	
Prefilter & sedimenter	Equipped	
Adblue® capacity	19L	

#### **ELECTRICAL**

CANBUS connected	Equipped J1939 protocol (see BMM for details)	
Electric air horn	Equipped	
LED Interior and reading lamp	Equipped	
Headlamps	Halogen	
Starter type	24 volt x 4.5kW	
Alternator capacity	24 volt x 90 amp	
Batteries	12 volt x 2 (65D23L)	
Туре	24 volt negative earth	

#### **STEERING**

Туре	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)
Dash mat
Sunvisor
Chrome wheel simulators
Seat covers
Floor mats
Engine live drive PTO (343Nm @ 1:1)

Phone charge mat
Lane change assist cameras
Truck specific GPS nav with live traffic
DVR Camera system (Dash Cam)
Hino Traq telematics
Tyre Pressure Monitoring System (TPMS)
Additional cameras (up to 3)
Retracting tipper tarp

#### **CAB DETAILS**

Туре	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	
Coat halte	3 point lap sash for driver and side passenger	
Seat belts	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 intermitter	
Cab heater and air conditioner	Equipped with 4 speed fan	
Dans day mirror	External : Electric & heated, 2 flat type	
Rear view mirrors	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
Speedometer
Tachometer
Air Gauges
LCD display
Time
Temperature Gauge
Adblue® Gauge
Fuel Gauge
Odometer
Hour Meter
Date & Day
Multi Information Display (MID)
General information
Cruise Control setting
Eco Tree
Display setting
Safe driving settings
System Check

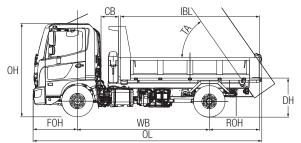
Steering wheel controls		
Cruise control		
MID controls		
Additional switches and controls		
External flat mirror control		
VSC off		
PCS off		
LDWS off		
Idle up		
Quick warm up		
ES start control		
ECO Run		
Mirror heater		
Engine brake		
DPR regeneration		
Electric window lock out		
Head light leveller		
PTO		
Tipper control lever		

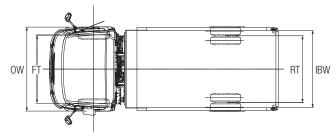
# FC 1124 Tipper

# **SOO** Series

#### DIMENSIONS - mm/WEIGHTS - kg

Model	FC 1124 MT LEAF		
Wheel base (WB)	3,420	3,850	
Body	TIPPER 3.6		TIPPER 4.0
Product Code	FC2AE1M-DBAAE T3.6	FC2AG1A-DBAAE T3.6	FC2AG1A-DBAAE T4.0
OL	5,900	6,330	6,660
OW	2,1	90	2,250
OH	2,450		
FOH		1,145	
ROH	1,2	80	1,565
FT	1,780		
RT	1,660		
Kerb to Kerb	11,200	12,400	
Wall to Wall	12,600	13,800	
Tipper body dimensions and features			
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)	400	830	715
Tipper volume	3.6m³		3.5m³
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
Drop side height	510		430
Safety prop	Equipped		
Body lock	N/A		Equipped
Indicative Chassis Mass – kg (10 litres of fuel,	no tools or spare tyre & subject to a ±3% tolerar	ce	
Total	4,710	4,780	4,865
Front	2,546	2,377	2,354
Rear	2,164	2,403	2,511
GVM	11,000 (optional 8,000 available on application)		
GCM	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 FC 1124 TIPPER	4 x 2	3 years or 150,000km	36 months

Battery warranty — 12 months from date of delivery \*For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer \*











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