



# 500 SERIES - FC 1124

## MANUAL MODELS



### SAFETY FEATURES

#### Active Safety Features

Vehicle Stability Control (VSC)	Equipped
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Anti-lock Brake System (ABS)	Equipped
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Pre-Collision System (PCS)	Equipped
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Pre-Collision System (PCS) is inclusive of	Safety Eye (SE) Autonomous Emergency Braking (AEB) Pedestrian Detection (PD)
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Traction Control (TC)	Equipped
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Lane Departure Warning System (LDWS)	Equipped
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Staggering Warning (SW)	Equipped
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Adaptive Cruise Control (ACC)	Equipped
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Reverse Camera (RC)	Equipped
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Easy Start hill assist (ES)	Equipped
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#### Passive Safety Features

SRS airbag for driver	Equipped
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SRS Seat belt pretensioner for driver	Equipped
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Front Underrun Protection device (FUPD)	Equipped
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ECE-R29 Cab Strength Certified	Equipped
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### pPNLT EMISSION LEVELS (EURO 6 EQUIVALENT) 4 X 2 CAB CHASSIS

\*Illustration may contain items not standard to the model

### KEY SPECIFICATIONS

GVM	11,000kg
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GCM	20,000kg
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Power	240hp/177kW
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Torque	794Nm Torque
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# ENGINE & DRIVELINE SPECIFICATIONS

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ENGINE	
Model	Hino A05C-TE
Max. output (ISO NET)	240hp/177kW @ 2,300RPM
Max. torque (ISO NET)	794Nm @ 1,400RPM
Max. engine RPM	2,550RPM
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	17.0:1
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

BRAKES	
Type	Drum brakes front and rear
Control	Air Over Hydraulic (AOH), Dual circuit
Drum diameter x lining width front	320 x 110mm
Drum diameter x lining width 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 Manual models
Exhaust & engine brake (Jake Brake)	Equipped
Brake lock	Equipped

WHEELS & TYRES	
Wheel type	6 stud disc wheel (JIS type) PCD 222.25
Rim size	6.75 x 17.5 with 135 mm offset (alloy)
Tyre size	235/75R17.5 132/130
Number of tyres	7 including the spare
Spare tyre carrier	Equipped (Temporary mounting model - FC2AE1M-DBAAE)

FUEL TANK		
Model	FC2AE1M-DBAAE	FC2AG1A-DBAAE, FC2AJ1A-DBAAE, FC2AL1A-DBAAE
Material	Steel	
Fuel capacity	100L	200L
Lockable fuel cap	Equipped	
Prefilter & sedimenter	Equipped	
Adblue® capacity	19L	

TRANSMISSION & GEAR RATIOS		
Make and description		Hino LX06S, 6 speed synchromesh with cable shift & air assist
Type		Overdrive
Gear Ratios	1	6.098
	2	3.858
	3	2.34
	4	1.422
	5	1
	6	0.744
	Reverse	5.672
Torque convertor & ratio		
Rear axle ratio		4.625
PTO option/Torque capacity		Single/245Nm

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

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	1,300 x 70mm	
	Number	3	
	Spring rate (kgf / mm2)	23	
	Axle limit (including suspension)	4,100kg	
Rear	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	
	Spring dimensions	Main	Auxiliary
	Length and width	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	

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	

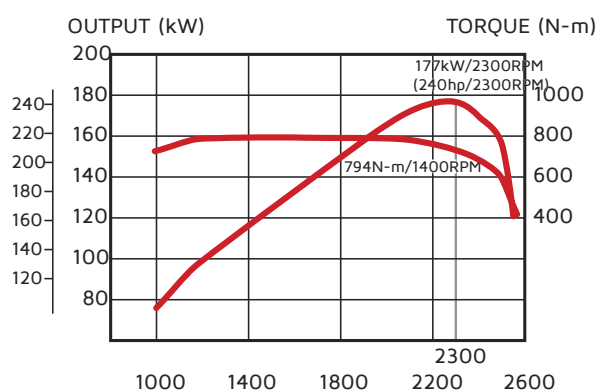
# CAB, INSTRUMENTATION & CHASSIS

## 500 SERIES - FC 1124 MANUAL MODELS

### CAB DETAILS

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

### POWER & TORQUE CHART (ISO NET) A05C-TE



### INSTRUMENTATION

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

Steering wheel controls

### ELECTRICAL

Type	24 volt negative earth
Batteries	12 volt x 2 120AH (115F51)
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)

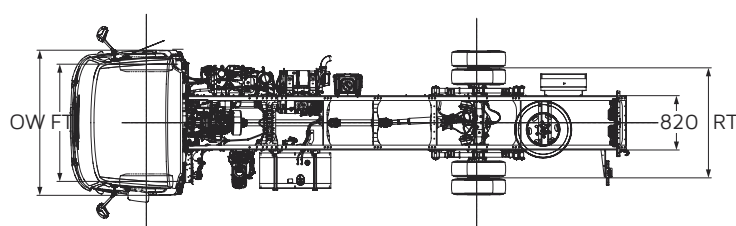
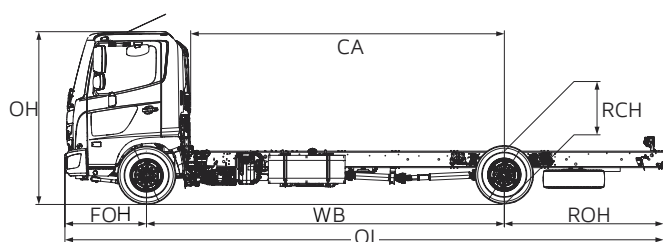
### STEERING

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

### CHASSIS FRAME

Chassis frame wheelbase variants	FC2AE	FC2AG	FC2AJ	FC2AL
Main section in mm (depth x flange x thickness)	229.4 x 78 x 5.7	228.4 x 73 x 5.2		231.6 x 73 x 6.8
Chassis width	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°)			
Type	Ladder-shaped channel section side rails			

Model	FC2AE1M-DBAAE	FC2AG1A-DBAAE	FC2AJ1A-DBAAE	FC2AL1A-DBAAE
Suspension	Leaf			
Wheel base (WB)	3,420	3,850	4,350	4,990
Max Nominal Body Length	5.1m	5.8m	6.6m	7.7m
Product Code	FC2AE1M-DBAAE	FC2AG1A-DBAAE	FC2AJ1A-DBAAE	FC2AL1A-DBAAE
OL	6,095	6,735	7,445	8,435
OW	2,190	2,190	2,190	2,190
OH	2,450	2,450	2,445	2,445
CA	2,785	3,215	3,715	4,355
FOH	1,145	1,145	1,145	1,145
ROH	1,490	1,700	1,910	2,260
RCH (at axle)	870	860	860	860
FT	1,780	1,780	1,780	1,780
RT	1,660	1,660	1,660	1,660
Kerb to Kerb	11,200	12,400	13,800	15,600
Wall to Wall	12,600	13,800	15,200	17,000
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)				
Total	3,315	3,340	3,375	3,495
Front	2,285	2,295	2,315	2,375
Rear	1,030	1,045	1,060	1,120
GVM	11,000			
GCM	20,000			



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

### WARRANTY

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
FC 1124	4 x 2	24 months or 100,000kms	36 months or 150,000kms

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