



500 SERIES - FD 1124

MANUAL MODELS



SAFETY FEATURES

Active Safety Features

Vehicle Stability Control (VSC) Equipped

Anti-lock Brake System (ABS) Equipped

Pre-Collision System (PCS) Equipped

Pre-Collision System (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

pPNLT EMISSION LEVELS (EURO 6 EQUIVALENT) 4 X 2 CAB CHASSIS

*Illustration may contain items not standard to the model

KEY SPECIFICATIONS

GVM	11,000
GCM	20,000kg
Power	240hp/177kW
Torque	794Nm

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

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

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

FUEL TANK	
Material	Steel
Fuel capacity	200L
Lockable fuel cap	Equipped
Prefilter & sedimenter	Equipped
Adblue® capacity	19L

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
Exhaust & engine brake (Jake Brake)	Equipped

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 / mm ²)	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 main and auxiliary with shock absorbers
	Spring dimensions	Main
	Length and width	1,300 x 70
	Number	8
Spring rate (kgf / mm ²)	25	
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

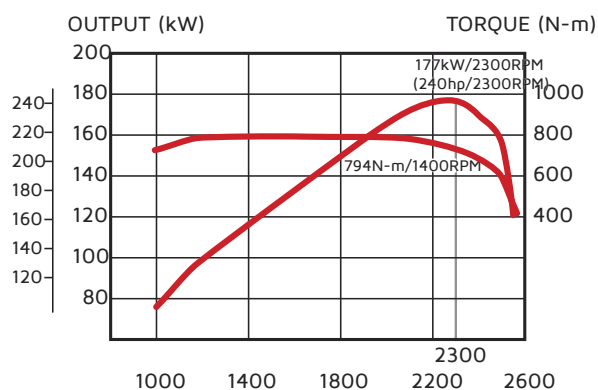
CAB DETAILS

Type	Forward control, rest cab, all steel construction with torsion bar tilt mechanism
Grille colour	Matte Grey
ADR 42 sleeper berth	Compliant
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 over-head 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 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 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

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°

POWER & TORQUE CHART (ISO NET) A05C-TE



INSTRUMENTATION

Meters	System Check
Speedometer	Steering wheel controls
Tachometer	Cruise control
Air Gauges	MID controls
LCD display	Additional switches and controls
Time	External flat mirror control
Temperature Gauge	VSC off
Adblue® Gauge	PCS off
Fuel Gauge	LDWS off
Odometer	Idle up
Hour Meter	Quick warm up
Date & Day	ES start control (AMT & MT models only)
Multi Information Display (MID)	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	ECO Run (AMT & MT models only)

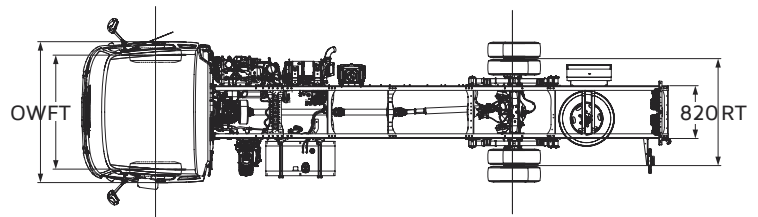
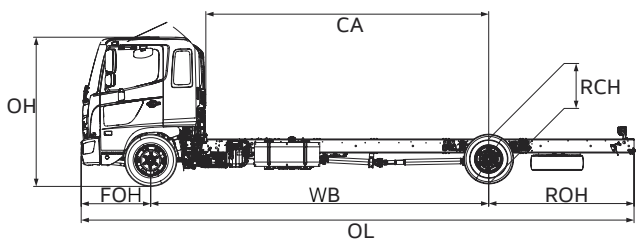
ELECTRICAL

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)

CHASSIS FRAME

Chassis frame wheelbase variants	FD2AJ	FD2AL
Main section in mm (depth x flange x thickness)	228.4 x 73 x 5.2	231.6 x 73 x 6.8
Chassis width	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	

DIMENSIONS		
Model	FD2AJ1A-DBCAE	FD2AL1A-DBCAE
Model Code	Hino 500 Series FD 1124 MT SPRING 4290	Hino 500 Series FD 1124 MT SPRING 4890
Suspension	Leaf	Leaf
Wheel base (WB)	4,290	4,890
Max Nominal Body Length	6.2m	7.3m
Product Code	FD2AJ1A-DBCAE	FD2AL1A-DBCAE
OL	7,285	8,135
OW	2,190	2,190
OH	2,450	2,450
CA	3,365	3,965
FOH	1,145	1,145
ROH	1,810	2,060
RCH (at axle)	860	860
FT	1,780	1,780
RT	1,660	1,660
Kerb to Kerb	13,600	15,400
Wall to Wall	15,000	16,800
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)		
Total	3,425	3,520
Front	2,335	2,390
Rear	1,090	1,130
GVM	11,000	11,000
GCM	20,000	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)
FD 1124	4 x 2	24 months or 100,000kms	36 months or 150,000kms

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