



500 SERIES - FD 1124 / FE 1424

CREW 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 (MT models only)
Passive Safety Features	
SRS airbag for driver	Equipped
SRS Seat belt pretensioner for driver	Equipped
Front Underrun Protection device (FUPD)	Equipped

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

*Illustration may contain items not standard to the model

KEY SPECIFICATIONS

	FD2AP1A-DBGAE	FE2AP1A-EXGAE
GVM	11,000kg	14,000 (optional 12,000 available on application)
GCM	20,000kg	21,000kg
Power	240hp/177kW	240hp/177kW
Torque	794Nm Torque	833Nm

PERFORMANCE

Model	FD2AP1A-DBGAE	FE2AP1A-EXGAE
Calculations based on	11t GVM with 235/75R17.5 tyres	14t GVM with 265/70R 19.5 tyres
Engine RPM @ 100km/h	2,374	
Max theoretical speed (km/h)	108	129
Gradeability tan (%) @ GVM	55.8	37.8

ENGINE & DRIVELINE SPECIFICATIONS

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TRANSMISSION & GEAR RATIOS

	FD2AP1A-DBGAE	FE2AP1A-EXGAE
Make and description	Hino LX06S, 6 speed	Allison 2500, 6 speed
Type	Overdrive	Double 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		1.58
Rear axle ratio	4.625	4.875
PTO option/ Torque capacity	Single/245Nm	Dual/339Nm

WHEELS & TYRES

Model	FD2AP1A-DBGAE	FE2AP1A-EXGAE
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 135 mm offset (alloy)	6.75 x 19.5 with 147 mm offset (alloy)
Tyre size	235/75R17.5 132/130	265/70R19.5 132/130
Number of tyres	7 including the spare	
Spare tyre carrier	Equipped	

SUSPENSION & LOAD LIMITS

Model	FD2AP1A-DBGAE	FE2AP1A-EXGAE	
Front	Front axle model	LF 456	LF 451
	Front axle type	I-Beam, reverse elliot	
	Suspension	Taper leaf springs with shock absorbers and stabiliser	
	Spring Dimensions	1,300 x 70mm	
	Number	3	4
	Spring rate (kgf / mm2)	23	27
	Axle limit (including suspension)	4,100kg	5,000kg
	Tyre limit	4,000kg	5,000kg
Rear	Rear axle model	SH13	SH14
	Rear axle type	Fully floating, single reduction by hypoid gears	
	Rear suspension types	Leaf	
	Suspension description	Multi leaf main and auxiliary with shock absorbers	Taper leaf main and auxiliary with shock absorbers
	Spring dimensions	Auxiliary	
	Length and width	900 x 70	
	Number	9	5
	Spring rate (kgf / mm2)	74	104
	Axle limit (including suspension)	7,000kg	9,000kg
	Tyre limit	7,600kg	9,400kg

ENGINE

	FD2AP1A-DBGAE	FE2AP1A-EXGAE
Model	Hino A05C-TE	Hino A05C-TD
Max. output (ISO NET)	240hp/177kW @ 2,300RPM	
Max. torque (ISO NET)	794Nm @ 1,400RPM	833Nm
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	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	

BRAKES

	FD2AP1A-DBGAE	FE2AP1A-EXGAE
Type	Drum brakes front and rear	
Control	Air Over Hydraulic (AOH), Dual circuit	
Drum diameter x lining width front	320 x 110mm	370 x 120mm
Drum diameter x lining width rear	320 x 120mm	370 x 150mm
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	

FUEL TANK

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

CLUTCH (MANUAL MODELS ONLY)

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

CAB, INSTRUMENTATION & CHASSIS

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CAB DETAILS

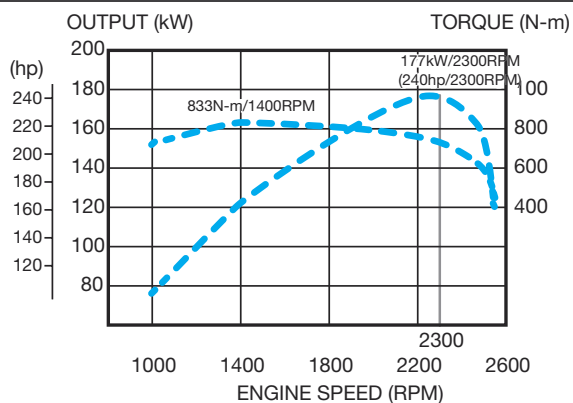
Type	Forward control, rest cab, all steel construction with torsion bar tilt mechanism
Grille colour	Matte Grey
Seating capacity	7
Drivers seat	ISRI 6860 NTS2 air suspension, 10 way adjustable with integrated safety belt and rear pocket
Side passenger seat	High back and reclining seat
Centre seat	Foldaway 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 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

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)

POWER & TORQUE CHART (ISO NET) A05C-TD

FE 1424



INSTRUMENTATION

Meters	Steering wheel controls
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	Additional switches and controls
LCD display	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	Mirror heater
Date & Day	Engine brake
Multi Information Display (MID)	DPR regeneration
General information	Electric window lock out
Cruise Control setting	Head light leveller
Eco Tree	ES start control (MT models only)
Display setting	ECO Run (MT models only)
Safe driving settings	Power and economy (AT models only)
System Check	Gear position (AT models only)

CHASSIS FRAME

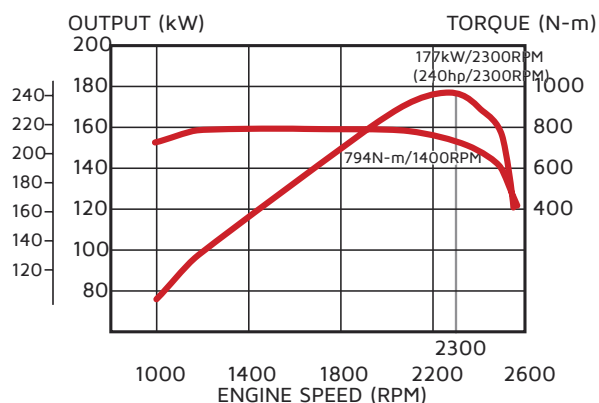
Chassis frame wheelbase variants	FE2AP
Main section in mm (depth x flange x thickness)	231.6 x 78 x 6.8
Chassis width	820mm
Tensile strength	540 N/mm2 (55 kgf/mm2)
Front Underrun Protection Device (FUPD)	Equipped
Tow hook capacity (front and rear)	2,000 kgf (max angle of 15°)
Type	Ladder-shaped channel section side rails

STEERING

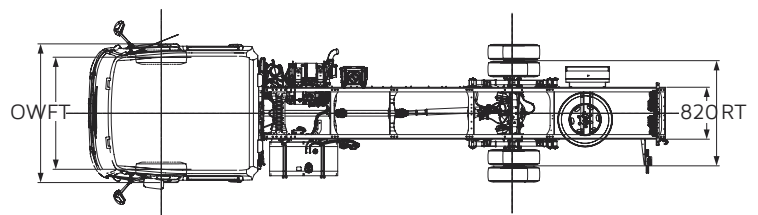
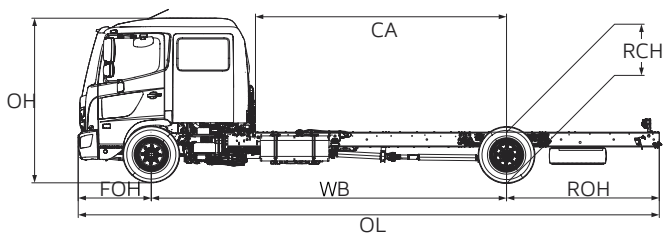
Type	Telescopic and tilt steering column with locking device. Recirculating ball with integral power steering.
Gear ratio	19.0:1
Steering angles - Inside	53°
Steering angles - Outside	38°

POWER & TORQUE CHART (ISO NET) A05C-TE

FD 1124



DIMENSIONS		
Model	FD2AP1A-DBGAE	FE2AP1A-EXGAE
Model Code	Hino 500 Series FD 1124 MT SPRING 5540 CREW	Hino 500 Series FE 1424 AT SPRING 5540 CREW
Suspension	Leaf	
Wheel base (WB)	5,540	5,540
Max Nominal Body Length	7.7m	7.6m
Product Code	FD2AP1A-DBGAE	FE2AP1A-EXGAE
OL	9,145	9,145
OW	2,190	2,240
OH	2,565	2,620
CA	3,900	3,900
FOH	1,145	1,145
ROH	2,420	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	4,245
Front	2,625	2,795
Rear	1,200	1,450
GVM	11,000	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			
Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
FD 1124 / FE 1424	4 x 2	24 months or 100,000kms	36 months or 150,000kms

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