



500 SERIES - FE 1426

AUTOMATIC 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

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 14,000 (optional 12,000 available on application)

GCM 21,000kg

Power 260hp/191kW

Torque 882Nm

ENGINE & DRIVELINE SPECIFICATIONS

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ENGINE	
Model	Hino A05C-TC
Max. output (ISO NET)	260hp/191kW @ 2,300RPM
Max. torque (ISO NET)	882Nm @ 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	370 x 120mm
Drum diameter x lining width rear	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
Brake lock	Equipped except for FC2AL & FC2AN

TRANSMISSION & GEAR RATIOS		
Make and description	Allison 2500, 6 speed with Hino T-bar cable shift and MID gear display	
Type	Double overdrive	
Gear Ratios	1	3.512
	2	1.896
	3	1.439
	4	1
	5	0.737
	6	0.643
	Reverse	5.086
Torque convertor & ratio	1.58	
Rear axle ratio	4.875	
PTO option/Torque capacity	Dual/339Nm	

SUSPENSION & LOAD LIMITS				
Model	FE2AG1A-FXCAE	FE2AL1A-FXCAE	FE2AP1G-FXCAE	
Front	Front axle model	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	4		
	Spring rate (kgf / mm2)	27		
	Axle limit (including suspension)	5,000kg		
Tyre limit	5,000kg			
Rear	Rear axle model	SH14		
	Rear axle type	Fully floating, single reduction by hypoid gears		
	Rear suspension types	Leaf	Air	
	Suspension description	Taper leaf main and auxiliary with shock absorbers		
	Spring dimensions	Main	Auxiliary	Hendrickson HAS 200 with shock absorbers and mechanical ride height valve
	Length and width	1,300 x 70	900 x 70	
	Number	4	5	
	Spring rate (kgf / mm2)	29	104	
	Axle limit (including suspension)	9,000kg		
	Tyre limit	9,400kg		

FUEL TANK			
Model	FE2AG1A-FXCAE	FE2AL1A-FXCAE	FE2AP1G-FXCAE
Material	Steel		
Fuel capacity	100L	200L	
Lockable fuel cap	Equipped		
Prefilter & sedimenter	Equipped		
Adblue® capacity	19L		

WHEELS & TYRES	
Wheel type	8 stud disc wheel (ISO type) PCD 275
Rim size	6.75 x 19.5 with 147 mm offset (alloy)
Tyre size	265/70R19.5 132/130
Number of tyres	7 including the spare
Spare tyre carrier	Equipped

PERFORMANCE	
Calculations based on 14t GVM with 265/70R 19.5 tyres	
Engine RPM @ 100km/h	1,970
Max theoretical speed (km/h)	129
Gradeability tan (%) @ GVM	40.4
Speed limiter to (km/h)	100

CAB, INSTRUMENTATION & CHASSIS

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AUTOMATIC MODELS

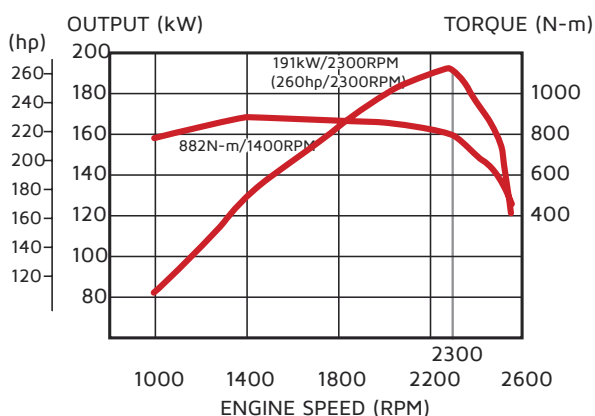
CAB DETAILS

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 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

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-TC



INSTRUMENTATION

Meters	Gear position (AT models only)
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	Mirror heater
Multi Information Display (MID)	Engine brake
General information	Power and economy (AMT & AT models only)
Cruise Control setting	DPR regeneration
Eco Tree	Electric window lock out
Display setting	Head light leveller
Safe driving settings	Suspension Dump (Air suspension models only)
System Check	

ELECTRICAL

Type	24 volt negative earth
Batteries	12 volt x 2 120 AH (1155F51)
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

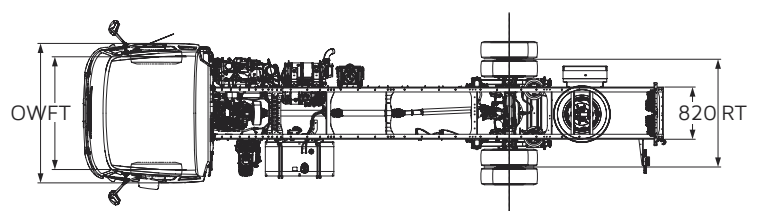
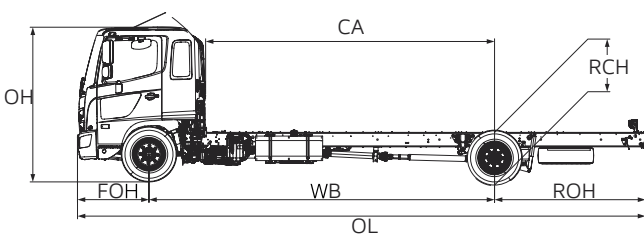
Chassis frame wheelbase variants	FE2AG	FE2AL	FE2AP
Main section in mm (depth x flange x thickness)	231.0 x 78 x 6.5	233.0 x 78 x 7.5	231.6 x 78 x 6.8
Chassis width	820mm		
Tensile strength	540 N/mm ² (55 kgf/mm ²)		
Front Underrun Protection Device (FUPD)	Equipped		
Tow hook capacity (front and rear)	2,000 kgf (max angle of 15°)		
Type	Ladder-shaped channel section side rails		

DIMENSIONS

	FE2AG1A-FXCAE	FE2AL1A-FXCAE	FE2AP1G-FXCAE
Model	Hino 500 Series FE 1426 AT SPRING 3790	Hino 500 Series FE 1426 AT SPRINT 4890	Hino 500 Series FE 1426 AT AIR 5540
Suspension	Leaf		Air
Wheel base (WB)	3,790	4,890	5,540
Max Nominal Body Length	5.4m	7.3m	8.4m
Product Code	FE2AG1A-FXCAE	FE2AL1A-FXCAE	FE2AP1G-FXCAE
OL	6,675	8,135	9,145
OW	2,240	2,240	2,240
OH	2,515	2,510	2,495
CA	2,865	3,965	4,615
FOH	1,145	1,145	1,145
ROH	1,700	2,060	2,420
RCH (at axle)	925	925	840
FT	1,760	1,760	1,760
RT	1,690	1,690	1,690
Kerb to Kerb	13,400	16,800	19,000
Wall to Wall	14,800	18,200	20,400

Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)

Total	3,805	3,945	4,025
Front	2,485	2,575	2,635
Rear	1,320	1,370	1,390
GVM	14,000 (optional 12,000 available on application)		
GCM	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)
FE 1426	4 x 2	24 months or 100,000kms	36 months or 150,000kms

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