

HINO

500 Series

FE 1426 Manual
FE 1426 Automatic



*Image may contain items not standard to the model

4 x 2 Cab Chassis

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
LED headlamps with integrated LED daytime running lamps
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

GVM 14,000kg
. 12,000kg Option
GCM MT 22,000kg
. AT 21,000kg
Power 260hp/191kW
Torque882Nm
Transmissions 7 speed Manual
. 6 speed Automatic
Wheelbases 3.8m, 4.3m, 4.9m, 5.5m, 6.5m
**Max Nominal
Body Length** 5.0m, 5.8m, 6.8m, 7.8m, 9.2m

ENGINE

Model	Hino A05C-TC
Max. output (ISO NET)	260hp/191kW @ 2,300RPM
Max. torque (ISO NET)	882Nm @ 1,400RPM
Max. engine RPM	2550RPM
Engine compliance	ADR 80/03 using Japan pPnLT
Type	Diesel, twin 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®)
Hino Stop Start System (HSSS)	MT models only
Engine Immobiliser	Equipped

CLUTCH (MT models only)

Model	CSP-380
Type	Dry single plate
Clutch plate	380mm Organic
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Make and description	Manual		Automatic	
	Hino MX07, 7 speed synchromesh with cable shift		Allison 2500, 6 speed with Hino T-bar cable shift and MID gear display	
Type	Overdrive		Double overdrive	
Gear Ratios	1	6.515	1	3.512
	2	4.224	2	1.896
	3	2.441	3	1.439
	4	1.473	4	1.000
	5	1.000	5	0.737
	6	0.746	6	0.643
	7	0.578		
	Reverse	6.991	Reverse	5.086
Torque convertor & ratio		TC222	1.58	
Rear axle ratio	5.428		4.875	
PTO option/Torque capacity	Single/235Nm		Dual/339Nm	

PERFORMANCE

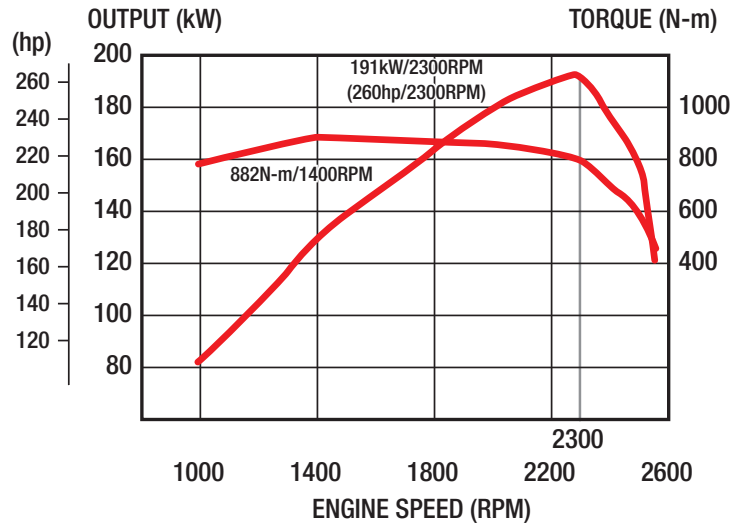
Calculations based on 14t GVM with 265/70R 19.5 tyres		
Transmission	Manual	Automatic
Engine RPM @ 100km/h	1,971	1,970
Max theoretical speed (km/h)	129	129
Gradeability tan (%) @ GVM	56.7	40.4
Speed limiter to (km/h)	100	

BRAKES

Type	Drum brakes front and rear	
Control	Air Over Hydraulic (AOH), Dual circuit	
Drum diameter x lining width	Front	370 x 120mm
	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	
Easy Start (ES)	Equipped on MT models	
Exhaust & engine brake (Jake Brake)	Equipped	

POWER & TORQUE CHART (ISO Net) A05C-TC

A05C-TC



SAFETY FEATURES

Active Safety Features		
Vehicle Stability Control	VSC	Equipped
Anti-lock Brake System	ABS	Equipped
Pre-Collision System	PCS	Equipped
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
ECE-R29 Cab Strength Certified		Equipped

SUSPENSION & LOAD LIMITS

FRONT	Front axle model	LF 45I		
	Front axle type	I-Beam, reverse elliot		
	Suspension	Taper leaf springs with shock absorbers and stabiliser		
	Spring Dimensions	1300 x 70mm		
	Number	4		
	Spring rate (kgf/mm ²)	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	
		Taper leaf main and auxiliary with shock absorbers		
	Suspension description	Hendrickson HAS 200 with shock absorbers and mechanical ride height valve		
		Spring dimensions	Main	Auxiliary
	Length x width (mm)	1,300 x 70	900 x 70	
	Number	4	5	
	Spring rate (kgf/mm ²)	29	104	
	Axle limit (including suspension)	9,000kg		
Tyre limit	9,400kg			

CHASSIS FRAME

Chassis frame wheelbase variants	FE2AG FE2AJ	FE2AL	FE2AP FE2AU
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 (at rear)	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		

WHEELS & TYRES

Wheel type	8 stud disc wheel (ISO type) PCD 275
Rim size	6.75 x 19.5 / 147 mm offset
Tyre size	265/70R19.5 140/138
Number of tyres	7 including the spare
Spare tyre carrier	Equipped

FUEL TANK

Material	Steel
Fuel capacity	200L (100L FE2AG)
Lockable fuel cap	Equipped
Pre-filter & sedimenter	Equipped
Adblue® capacity	19L

ELECTRICAL

Type	24 volt negative earth		
Batteries	12 volt x 2 (65D23L)	AT models	
	12 volt x 2 (80D26L)	MT models	
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	45°	Outside	35°

GENUINE ACCESSORY OPTIONS

Bull bar options (see dealer for variants)	Phone charge mat
Dash mat	Lane change assist cameras
Sunvisor	Truck specific GPS nav with live traffic
Chrome wheel simulators	DVR Camera system (Dash Cam)
Seat covers	Hino Traq telematics
Floor mats	Tyre Pressure Monitoring System (TPMS)
Engine live drive PTO (343Nm @ 1:1)	Additional cameras (up to 3)

CAB DETAILS

Type	Forward control, rest cab, all steel construction with torsion bar tilt mechanism
Grille colour	Chrome plate
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 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

INSTRUMENTATION

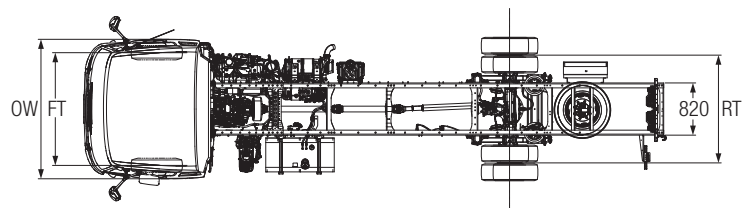
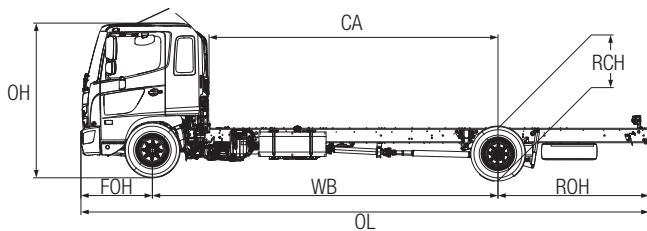
Meters	Steering wheel controls
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	Additional switches and controls
LCD display	External flat mirror control
Time	VSC off
Temperature Gauge	PCS off
Adblue® Gauge	LDWS off
Fuel Gauge	Idle up
Odometer	Quick warm up
Hour Meter	ES start control (MT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

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500 Series

DIMENSIONS – mm/WEIGHTS – kg

Model	FE 1426											
	Manual					Automatic						
Suspension	Leaf			Air		Leaf				Air		
Wheel base (WB)	4,290	4,890	5,540	4,890	5,540	3,790	4,290	4,890	5,540	4,890	5,540	6,540
Product Code	FE2AJ1A-FCCAE	FE2AL1A-FCCAE	FE2AP1A-FCCAE	FE2AL1G-FCCAE	FE2AP1G-FCCAE	FE2AG1A-FXCAE	FE2AJ1A-FXCAE	FE2AL1A-FXCAE	FE2AP1A-FXCAE	FE2AL1G-FXCAE	FE2AP1G-FXCAE	FE2AU1G-FXCAE
OL	7,285	8,135	9,145	8,135	9,145	6,675	7,285	8,135	9,145	8,135	9,145	10,560
OW	2,240											
OH	2,510	2,505		2,495		2,515	2,510		2,505	2,495		
CA	3,365	3,965	4,615	3,965	4,615	2,865	3,365	3,965	4,615	3,965	4,615	5,615
FOH	1,145											
ROH	1,810	2,060	2,420	2,060	2,420	1,700	1,810	2,060	2,420	2,060	2,420	2,835
RCH (at axle)	925		920	840		925			840			
FT	1,760											
RT	1,690											
Kerb to Kerb	15,000	16,800	19,000	16,800	19,000	13,400	15,000	16,800	19,000	16,800	19,000	22,000
Wall to Wall	16,400	18,200	20,400	18,200	20,400	14,800	16,400	18,200	20,400	18,200	20,400	23,400
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)												
Total	3,935	4,010	4,120	3,985	4,110	3,805	3,845	3,945	4,030	3,920	4,020	4,150
Front	2,575	2,625	2,685	2,640	2,700	2,485	2,515	2,575	2,620	2,590	2,625	2,690
Rear	1,360	1,385	1,435	1,345	1,410	1,320	1,330	1,370	1,410	1,330	1,395	1,460
GVM	14,000 (optional 12,000 available on application)											
GCM	22,000						21,000					



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

WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 FE 1426	4 x 2	3 years or 150,000km	36 months

Battery warranty – 12 months from date of delivery

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

* For conditions, refer to the Hino Parts & Service warranty brochure



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