

HINO

500 Series

FD 1126 Manual

FD 1126 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 11,000kg
 8,000kg Option
GCM 20,000kg
Power 260hp/191kW
Torque 882Nm
Transmissions 6 speed Manual
 6 speed Automatic
Wheelbases 4.9m, 5.2m, 5.5m
**Max Nominal
 Body Length** 6.8m, 7.2m, 7.8m

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 (Manual 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 MX06, 6 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	0.702	6	0.643
	Reverse	6.991	Reverse	5.086
Torque convertor & ratio			TC222	1.58
Rear axle ratio	4.875		4.333	
PTO option/Torque capacity	Single/245Nm		Dual/339Nm	

PERFORMANCE

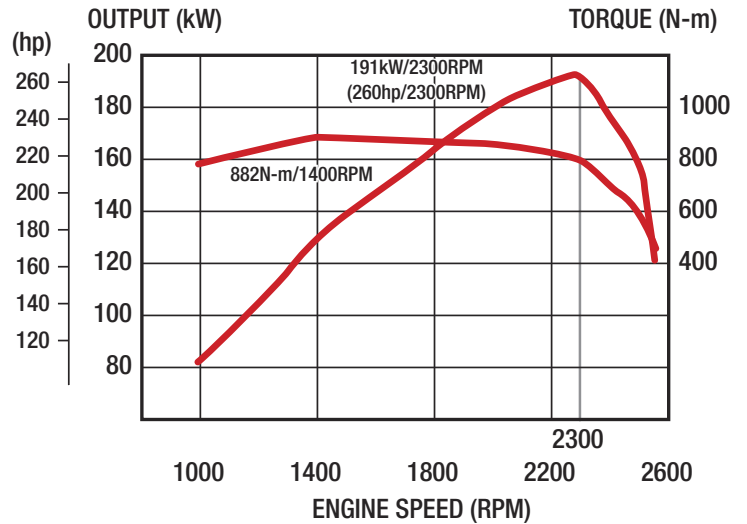
Transmission	Manual	Automatic
Calculations based on 11t GVM with	245/70R 19.5 tyres	235/75R17.5 tyres
Engine RPM @ 100km/h	2,200	1,922
Max theoretical speed (km/h)	114	134
Gradeability tan (%) @ GVM	60.0	52.0

BRAKES

Type	Drum brakes front and rear	
Control	Air Over Hydraulic (AOH), Dual circuit	
Drum diameter x lining width	Front	320 x 110mm
	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	
Hino Easy Start (ES)	Equipped on Manual 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 456	
Front axle type	I-Beam, reverse elliot	
Suspension	Taper leaf springs with shock absorbers and stabiliser	
Spring Dimensions	1300 x 70mm	
Number	3	
Spring rate (kgf/mm ²)	23.0	
Axle limit (including suspension)	4,100kg	
Tyre limit	4,000kg (AT models)/4,100kg (MT models)	
REAR		
Rear axle model	SH13	
Rear axle type	Fully floating, single reduction by hypoid gears	
Rear suspension types	Air	
Suspension description	Hendrickson HAS 200 with shock absorbers and mechanical ride height valve	
Axle limit (including suspension)	7,000kg	
Tyre limit	7,600kg	

CHASSIS FRAME

Chassis frame wheelbase variants	All
Main section in mm (depth x flange x thickness)	231.6 x 73 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

Transmission	Manual	Automatic
Wheel type	6 stud disc wheel (JIS type) PCD 222.25	
Rim size	6.75 x 19.5 / 136 mm	6.75 x 17.5 / 135 mm
Tyre size	245/70R19.5 133/131	235/75R17.5 132/130
Number of tyres	7 including the spare	
Spare tyre carrier	Equipped	

FUEL TANK

Material	Steel
Fuel capacity	200L
Lockable fuel cap	Equipped
Prefilter & 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	MT	Inside	50°	Outside	37°
	AT	Inside	53°	Outside	38°

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

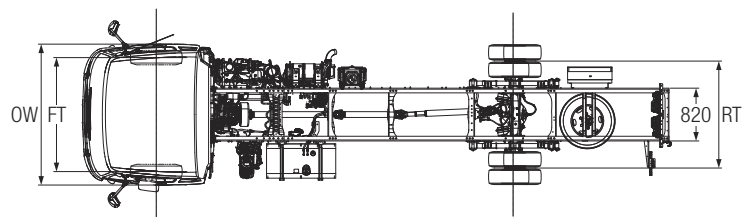
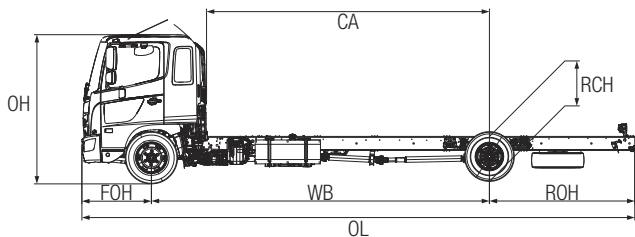
Meters Speedometer Tachometer Air Gauges LCD display Time Temperature Gauge Adblue® Gauge Fuel Gauge Odometer Hour Meter Date & Day Multi Information Display (MID) General information Cruise Control setting Eco Tree Display setting Safe driving settings System Check Gear position (AT models only)	Steering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

DIMENSIONS – mm/WEIGHTS – kg

Model	FD 1126				
Transmission	Manual		Automatic		
Suspension	Air				
Wheel base (WB)	4,890	5,540	4,890	5,190	5,540
Product Code	FD2AL1G-FBCAE	FD2AP1G-FBCAE	FD2AL1G-FXCAE	FD2AM1G-FXCAE	FD2AP1G-FXCAE
OL	8,135	9,145	8,135	8,635	9,145
OW	2,190				
OH	2,465	2,460	2,440		2,435
CA	3,965	4,615	3,965	4,265	4,615
FOH	1,145				
ROH	2,060	2,420	2,060	2,260	2,420
RCH (at axle)	800		780		
FT	1,780				
RT	1,665				
Kerb to Kerb	15,800	17,800	15,400	16,200	17,200
Wall to Wall	17,200	19,200	16,800	17,600	18,600
Indicative Chassis Mass – kg (10 litres of fuel, no tools or spare tyre & subject to a ±3% tolerance)					
Total	3,715	3,785	3,590	3,615	3,635
Front	2,525	2,570	2,460	2,480	2,490
Rear	1,190	1,215	1,130	1,135	1,145
GVM	11,000 (optional 8,000 available on application)				
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

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 FD 1126	4 x 2	3 years or 150,000km	36 months

Battery warranty – 12 months from date of delivery

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

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



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