

HINO

500 Series



*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
 ADR 80/04 Emissions level using Japan post Post New Long Term (pPNLT)
 ADR42 sleeper berth Compliant
 Hino Connect Telematics

KEY SPECIFICATIONS

GVM. 14,000kg
GCM. 21,000kg
Power 240hp/177kW
Torque. 794Nm
Transmissions 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-TE
Max. output (ISO NET)	240hp/177kW @ 2,300RPM
Max. torque (ISO NET)	794Nm @ 1,400RPM
Max. engine RPM	2550RPM
Engine compliance	ADR 80/04 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 / 85 x 60mm
Air cleaner	Dual paper elements
Exhaust	Horizontal outlet RHS
Emission Control System	DPR & SCR (AdBlue®)
Engine Immobiliser	Equipped

TRANSMISSION & GEAR RATIOS

Make and description	Automatic	
	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	1.000
	5	0.737
	6	0.643
	Reverse	5.086
Torque convertor & ratio	TC222	1.58
Rear axle ratio	4.875	
PTO option/Torque capacity	339Nm	

PERFORMANCE

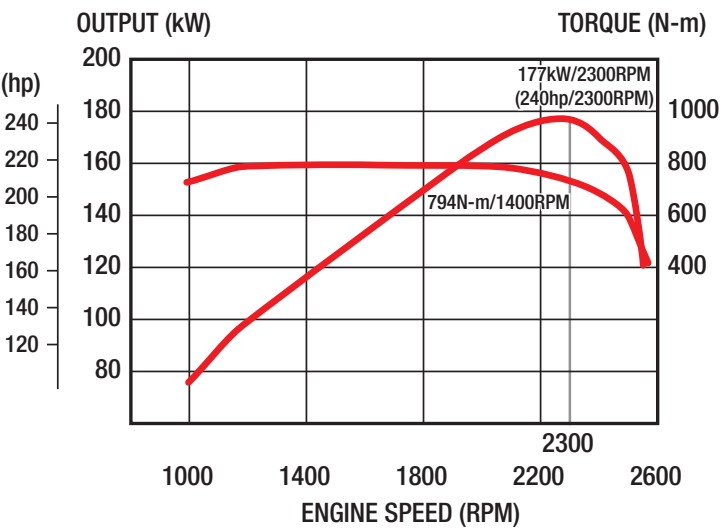
Calculations based on 14t GVM with 265/70R 19.5 tyres	
Engine RPM @ 100km/h	1,970
Max theoretical speed (km/h)	129
Gradeability tan (%) @ GVM	TBA
Speed limiter to (km/h)	100

BRAKES

Type	Drum brakes front and rear	
Control	Full Air (FA) Dual circuit	
Drum diameter x lining width	Front	TBA
	Rear	TBA
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	
Exhaust & engine brake (Jake Brake)	Equipped	

POWER & TORQUE CHART (ISO Net) A05C-TE

A05C-TE



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
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	
REAR	Tyre limit	5,000kg	
	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	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/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		

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
Prefilter & sedimenter	Equipped
Adblue® capacity	19L

ELECTRICAL

Type	24 volt negative earth
Batteries	12 volt x 2 (65D23L)
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)	Engine live drive PTO (343Nm @ 1:1)
Dash mat	Lane change assist cameras
Sunvisor	Truck specific GPS nav with live traffic
Chrome wheel simulators	DVR Camera system (Dash Cam)
Seat covers	Cameras (up to additional 5 extra)
Floor mats	

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	10.1" UXGA capacity touch screen, wireless Apple CarPlay and Android auto compatible, AM/FM+RDS/DAB + radio, Bluetooth 5.0 phone and audio, input for up to 6 cameras, USB 2.0 and 3.0, 2.4 Ghz Wi-Fi enabled

INSTRUMENTATION

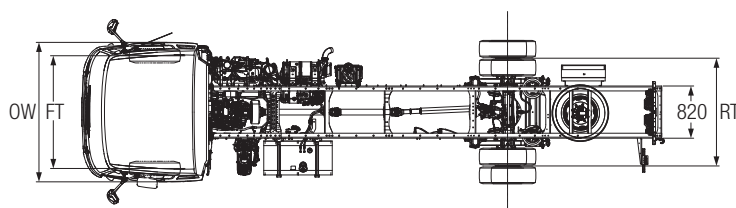
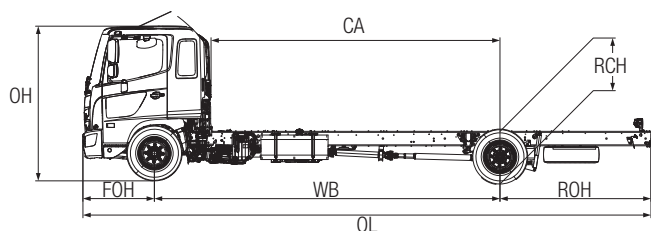
Meters	Steering wheel controls
Speedometer	Cruise control
Tachometer	MID controls
Air Gauges	Additional switches and controls
LCD display	External flat mirror control
Time	VSC off
Temperature Gauge	PCS off
Adblue® Gauge	LDWS off
Fuel Gauge	Idle up
Odometer	Quick warm up
Hour Meter	Mirror heater
Date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

FE 1424

500 Series

DIMENSIONS – mm/WEIGHTS – kg

Model	FE 1424						
Transmission	Automatic						
Suspension	Leaf				Air		
Wheel base (WB)	3,790	4,290	4,890	5,540	4,890	5,540	6,540
Product Code	FE2AG2A-DXCAEAA	FE2AJ2A-DXCAEAA	FE2AL2A-DXCAEAA	FE2AP2A-DXCAEAA	FE2AL2G-DXCAEAA	FE2AP2G-DXCAEAA	FE2AU2G-DXCAEAA
OL	6,675	7,285	8,135	9,145	8,135	9,145	10,560
OW	2,240						
OH	2,515	2,510		2,505	2,495		
CA	2,865	3,365	3,965	4,615	3,965	4,615	5,615
FOH	1,145						
ROH	1,700	1,810	2,060	2,420	2,060	2,420	2,835
RCH (at axle)	925				840		
FT	1,760						
RT	1,690						
Kerb to Kerb	13,400	15,000	16,800	19,000	16,800	19,000	22,000
Wall to Wall	14,800	16,400	18,200	20,400	18,200	20,400	23,400
Indicative Chassis Mass – kg 10 litres of fuel, tools, spare tyre & subject to a ±3% tolerance							
Total	TBA	TBA	TBA	TBA	TBA	TBA	TBA
Front	TBA	TBA	TBA	TBA	TBA	TBA	TBA
Rear	TBA	TBA	TBA	TBA	TBA	TBA	TBA
GVM	14,000						
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

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)
500 FE 1424	4 x 2	5 years or 300,000km

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 *
Refer to Hino Warranty & Service booklet for warranty details



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