

HINO

500 Series

GH 1828



* Illustration may contain items not standard to the model

ADR 80/03 Model 4 x 2 Cab Chassis

KEY FEATURES

Vehicle Stability Control (VSC) with ASR
Polished Aluminium Wheels
Cruise Control
Reverse Camera
Drivers SRS Airbag
Heated & Electrically Operated External Mirrors
ISRI 6860/870 Drivers seat with integrated Safety Belt
ECE R-29 Cab Strength Certified
HAS 230 Air Rear Suspension with ECAS
Differential Cross Lock
Hino Connect Telematics

KEY SPECIFICATIONS

GVM. 16,000kg Standard 18,000kg Optional
GCM. 38,000kg
Power. 280hp/206kW
Torque. 883Nm
Transmissions Six-speed Allison Automatic
Nominal Wheelbases. 4.3m, 5.1m, 5.5m, 6.1m, 6.4m
**Max. Nominal
Body Length*** 6.0m, 7.2m, 7.9m, 8.9m, 9.2m

ENGINE

Model	J08E-WA
Max. Output (ISO Net)	280hp/206kW @ 2,500 RPM
Max. Torque (ISO Net)	883Nm @ 1,500 RPM
Max. Engine Speed	2,700 RPM
Engine Compliance	ADR 80/03 using Euro 5 STD
Type	Turbocharged & Intercooled, 6 cylinder in-line, overhead camshaft & fluid cooled
Combustion System	Direct Injection
Bore & Stroke	112 x 130mm
Piston Displacement	7.687L
Compression Ratio	18.0:1
Engine Oil Capacity	13.5L
Coolant Fluid Capacity	25L
Fuel Injection System	Electronic control common-rail type
Air Intake System	Stack-type
Air Cleaner	Dual paper elements
Air Compressor	Single cylinder, fluid cooled
	85 x 40mm
Fan Clutch	Equipped
Exhaust	Horizontal
Emission Control System	Selective Catalytic Reduction (SCR)
Engine Immobilizer	Equipped

TRANSMISSION & GEAR RATIOS

Make & Description	Automatic	
	Allison 3000 series 6 speed with Electronic Control	
Type	Double Overdrive	
Gear Ratios	1	3.487
	2	1.864
	3	1.409
	4	1.000
	5	0.750
	6	0.653
	Rev	5.027
Torque convertor & Ratio	TC 415	2.35

PERFORMANCE

Calculations based on 18.0 t GVM with 11R22.5 drive tyres	
Transmission	Automatic
Wheelbase variants	ALL
Rear Axle Ratio	6.428
Engine RPM @ 100 km/h	2,200
Max theoretical speed (km/h)	122
Gradeability tan Θ (%) @ GVM	53.5
Speed limited to (km/h)	100

BRAKES

Type	Full Air, dual circuit, "S"cam
Drum & Lining sizes Diameter x Width	Front : 410 x 150mm
	Rear : 410 x 220mm
Auto adjusters	Equipped
Vehicle Stability Control (VSC)	Equipped
Anti-lock Braking System (ABS)	Equipped
Anti-Slip Regulator (ASR)	Equipped
Air Dryer	Equipped
Park Brake	Spring Brake acting on rear wheels
Exhaust Brake	Equipped

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	MF 78IR
	Type	I-Beam, Reverse Elliot
	Suspension	Taper leaf springs with shock absorbers & stabiliser
	Spring Dimensions Length x Width x Thickness x Number	1,700 x 90 x 28.8 x 1 1,700 x 90 x 30.3 x 1
	Spring Rate	32.8 kgf/mm
	Axle Limit (including suspension)	6,500 kg
	Tyre Limit	6,900 kg
REAR	Rear Axle Model	SH17
	Differential Cross Lock	Equipped
	Type	Fully floating, single reduction, hypoid
	Suspension	Air bag
	Make	Hendrickson
	Model	HAS 230
	Height Control	Electronic Control Air Suspension (ECAS)
	Road Friendly N/o	N/o RF 2005
	Axle Limit (including suspension)	11,500 kg
	Tyre Limit	10,900 kg

WHEELS & TYRES

Material	Polished Aluminium
Wheel type	10-stud disc (ISO) 335 PCD
Rim size (in)	22.5 x 8.25 – 165mm offset
Tyre size	Front: 295/80R22.5 152/148
	Rear: 11R22.5 148/145
Number of tyres	7
Spare Tyre Carrier	Equipped (Except for medium wheelbase)

FUEL TANK

Wheelbases	M	ML, L, XL & XXL
Material	Steel	Aluminium
Capacity	200L	390L
Lockable cap	Equipped	
Pre Filter & sedimenter	Equipped	
AdBlue® tank capacity	59L	

STEERING

Type	Telescopic & tilt steering column with locking device. Recirculating ball with internal Power Steering	
Steering Angles	Inner 49°	
	Outer 34°	

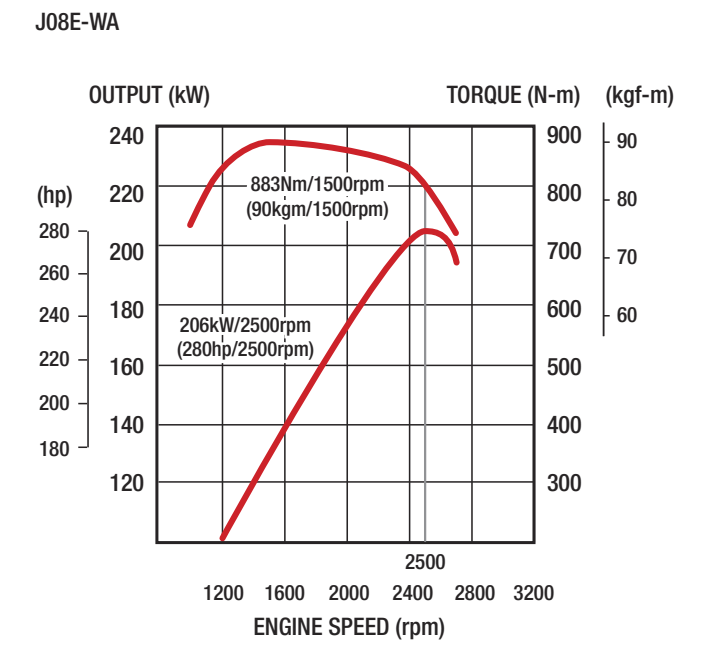
CAB DETAILS

Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt
Side passenger's seat	Urethane foam pads, high-back & reclining seat with fabric cover, air suspension
Centre passenger's seat	Urethane foam pads & foldaway type with seat back tray, fabric cover
Seat belt	3-point type on driver's & side passenger's seat 2-point type on centre passenger seat
Sun visor and overhead console	For driver & passenger sides
Windshield wipers	Electric, dual, intermittent & 2-speed
Ventilator	Forced type by electric blower
Rear view mirrors	External: Electric Control & heated flat type, Convex spotters both sides and Left side kerb view
12V/120w Socket	Equipped
Floor mat	Vinyl type
Central locking & keyless entry	Equipped with immobiliser
Heater and defroster	Standard
Air conditioner	Standard
Trim	Full trim type (side, roof & back)
Cab pockets	Equipped on both door sides
Power windows	Equipped
Rest area	Equipped
Multi media 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
Speakers	Driver & passenger
Foot rest	Equipped
Cup holders	Equipped
Cruise control	Equipped
Reverse camera	Equipped

ELECTRICAL

Type	24V, negative earth
Batteries	12V x 2, series connection, 120 Ah
Alternator Type	Brushless, with built-in regulator
Capacity	24V, 90 Amp
Starter Type	24V, 5.0 kW
Headlamps	Halogen type with manual levelling
High/low beam	Equipped
LED Fog Lamps (white)	Equipped
Fluorescent Reading Lamp	Equipped
Electric air horn	Equipped

POWER & TORQUE CHART (ISO NET) J08E-WA



INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Idle up Control
LCD Gauges	Quick warm up switch
Air pressure (2)	VSC/ASR off switch
Fuel	Headlight Levelling
AdBlue®	Fog Lamp
Engine Temperature	ECAS remote
Odometer plus trip meter	Differential Cross Lock
Multi Information Display (MID)	
Fuel Consumption	
Service reminders	
Warnings	
Faults	

CHASSIS FRAME

Wheelbase variants	Medium & ML	L, XL & XXL
Type	Ladder-shaped channel section side rails with Grid hole design	
Chassis outer width (at rear)	840mm	
Main section (mm) Depth x flange x Thickness)	275 x 80 x 7.0	277 x 80 x 8.0
Tensile strength	620 N/mm² (63 kgf/mm²)	
Front Underrun Protection (FUP)	Equipped	
Front and rear tow hook	Equipped	

GENUINE ACCESSORY OPTIONS

Bull bar	GPS Satellite Navigation
Stoneguard	Cameras (up to additional 5 extra)
Sunvisor	Lane change Assist Cameras
Seat covers	DVR
Floor mats	Engine driven PTO
Dash mats	1:0.72 step-down
Weather shields	or 1:1.08 step-up

Please check with your dealer for price, availability & fitment for these options

GH 1828

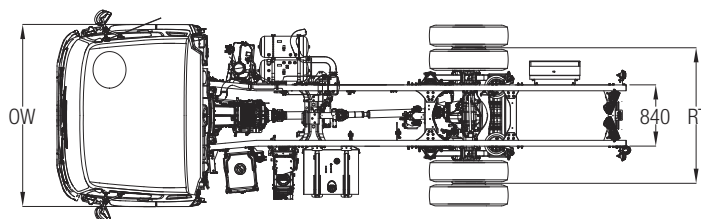
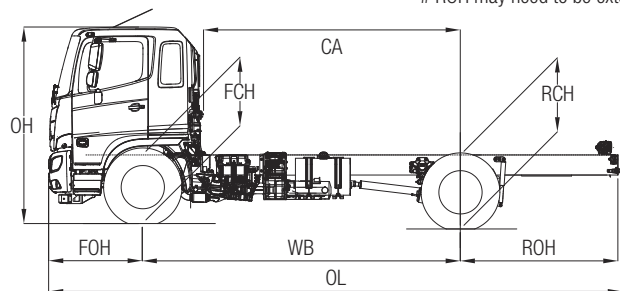
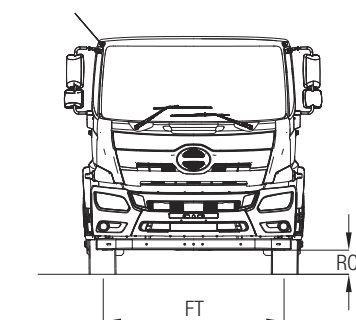
500 Series



DIMENSIONS – MM/CAPACITIES

Model	GH 1828				
Wheelbase variant	MEDIUM	MEDIUM LONG	LONG	X LONG	XX LONG
Transmission	AUTO	AUTO	AUTO	AUTO	AUTO
Model Code	GH8JJ1G-WHU	GH8JM1G-WHU	GH8JP1G-WHU	GH8JS1G-WHU	GH8JT1G-WHU
Wheelbase (WB)	4,350	5,100	5,550	6,150	6,450
Max Nominal Body length # ((WB x 0.6(up to 3.7)) + CA – 80)	6,050	7,250	7,970	8,930	9,240
Overall Length (OL)	7,845	8,695	9,445	11,045	11,245
Overall Width (OW)	2,490				
Overall Height (OH)	2,755				2,750
Cab to Rear Axle Centre (CA)	3,520	4,270	4,720	5,320	5,620
Front Overhang (FOH)	1,280				
Rear Overhang (ROH)	2,155	2,255	2,555	3,555	3,455
Front Chassis Height (FCH)	1,005				
Rear Chassis Height (RCH)	1,030				
Road Clearance (RC)	250				
Front Track (FT)	2,050				
Rear Track (RT)	1,835				
Turning Circle Kerb to Kerb	15,000	17,400	18,800	20,600	21,600
Wall to Wall	16,600	19,000	20,400	22,200	23,200
Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance)					
Total	5,369	5,443	5,568	5,678	5,688
Front	3,468	3,520	3,560	3,575	3,600
Rear	1,901	1,923	2,008	2,103	2,088
GVM	16,000kg Standard 18,000 Optional with 295/80R22.5 rear tyres				
GCM	38,000				

ROH may need to be extended to suit body length and rear overhang is limited to 3.7m



WARRANTY

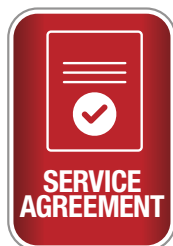
New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 GH 1828	4 x 2	3 years or 200,000km	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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