

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
- Hino Stop Start System (HSSS) (Manual models only)
- Reverse Camera
- Easy Start (ES) Take off assist (Manual models only)
- 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

KEY SPECIFICATIONS

GVM. 16,000kg Standard 18,000kg Optional
GCM. 38,000kg
Power 280hp/206kW
Torque 883Nm
Transmissions Nine-speed Synchromesh Manual
 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

A Toyota Group Company

 **HINO**
A BETTER CLASS OF TRUCK



GH 1828

Engine & Driveline Specifications

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	Auto: 25L Manual: 21.5L
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)
Hino Stop Start System (HSSS)	Manual models only
Engine Immobilizer	Equipped

CLUTCH (MANUAL MODELS ONLY)

Model	CS-380
Type	Dry single plate with damper springs
Facing material	Organic
Facing outside diameter	380mm
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Make & Description	Automatic		Manual	
	Allison 3000 series 6 speed with Electronic Control		Eaton ES11109 9 speed with cable control	
Type	Double Overdrive		Direct Drive	
Gear Ratios	1	3.487	1	12.637
	2	1.864	2	8.806
	3	1.409	3	6.550
	4	1.000	4	4.768
	5	0.750	5	3.548
	6	0.653	6	2.481
	Rev	5.027	7	1.845
			8	1.343
			9	1.000
Torque convertor & Ratio	TC 415	2.35	Rev	13.210

PERFORMANCE

Calculations based on 18.0 t GVM with 11R22.5 drive tyres			
Transmission	Automatic	Manual	
Wheelbase variants	ALL	Medium	L, XL, XXL
Rear Axle Ratio	6.428	4.625	4.3
Engine RPM @ 100 km/h	2,200	2,440	2,243
Max theoretical speed (km/h)	122	111	120
Gradeability tan θ (%) @ GVM	53.5	60	55.8
Speed limited to (km/h)	100		

BRAKES

Type	Full Air, dual circuit, "S"cam
Drum & Lining sizes	Front : 410 x 150mm
Diameter x Width	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
Easy Start (ES)	Manual models only
Park Brake	Spring Brake acting on rear wheels
Exhaust Brake	Equipped

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	MF 781R
	Type	I-Beam, Reverse Elliot
	Suspension	Taper leaf springs with shock absorbers & stabiliser
	Spring Dimensions	1,700 x 90 x 28.8 x 1
	Length x Width x Thickness x Number	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 Axle Model	SH17
REAR	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°



GH 1828

Cab, Instrumentation & Chassis

CAB DETAILS

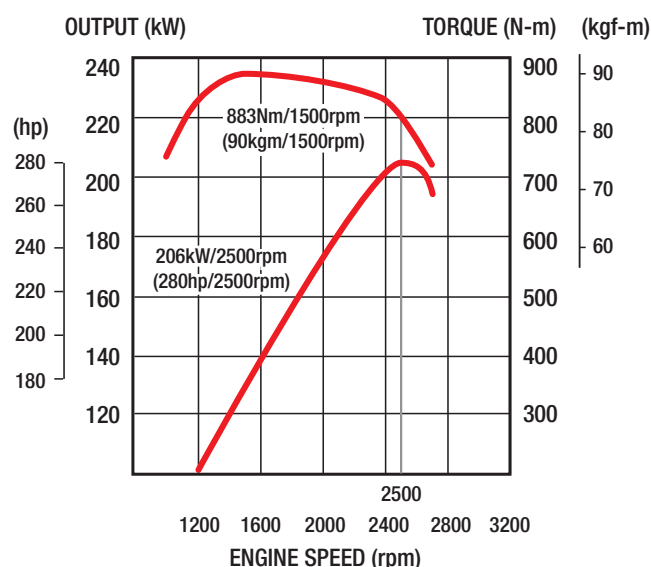
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, 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
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	6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AAUX input, Bluetooth® 4.a, Android 6.0 CANBUS connection and Wi-Fi enabled
Speakers	Driver & passenger
Foot rest	Equipped
Easy Start	Manual Models only
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

J08E-WA



INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Easy Start Rate Control (Manual models only)
LCD Gauges	Idle up Control
Air pressure (2)	Quick warm up switch
Fuel	VSC/ASR off switch
AdBlue®	Hino Stop Start System off switch (Manual models only)
Engine Temperature	Eco Run (Manual models only)
Odometer plus trip meter	Headlight Levelling
Multi Information Display (MID)	Fog Lamp
Fuel Consumption	ECAS remote
Service reminders	Differential Cross Lock
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)	275 x 80 x 7.0	277 x 80 x 8.0
Depth x flange x Thickness)		
Tensile strength	620 N/mm ² (63 kgf/mm ²)	
Front Underrun Protection (FUP)	Equipped	
Front and rear tow hook	Equipped	

GENUINE ACCESSORY OPTIONS

Bull bar	GPS Satellite Navigation
Stoneguard	External Vision Cameras (additional 3)
Survivor	LED Driving Lights
Seat covers	Hino Traq (Telematics)
Floor mats	Engine driven PTO
Dash mats	1:0.72 step-down
Weather shields	or 1:1.08 step-up

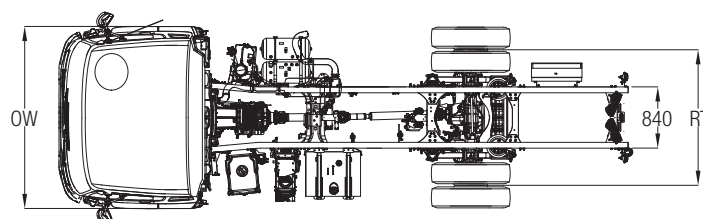
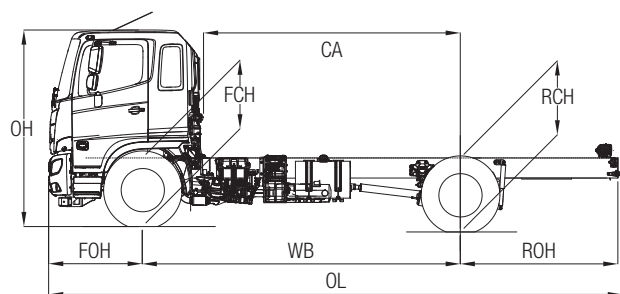
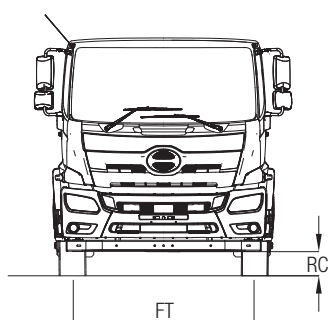
Please check with your dealer for price, availability & fitment for these options



GH 1828

500 Series

Dimensions



DIMENSIONS – MM/CAPACITIES

Model	GH 1828								
Wheelbase variant	MEDIUM		MEDIUM LONG	LONG		X LONG		XX LONG	
Transmission	MANUAL	AUTO	AUTO	MANUAL	AUTO	MANUAL	AUTO	MANUAL	AUTO
Model Code	GH8JJ1G-XHU	GH8JJ1G-WHU	GH8JM1G-WHU	GH8JP1G-XHU	GH8JP1G-WHU	GH8JS1G-XHU	GH8JS1G-WHU	GH8JT1G-XHU	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)	2,760	2,755				2,750	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)	1,010	1,005				1,000	1,005	1,000	
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	5,184	5,369	5,443	5,388	5,568	5,493	5,678	5,503	5,688
Front	3,308	3,468	3,520	3,400	3,560	3,410	3,575	3,435	3,600
Rear	1,876	1,901	1,923	1,988	2,008	2,083	2,103	2,068	2,088
GVM	16,000kg Standard 18,000 Optional								
GCM	38,000								

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

WARRANTY

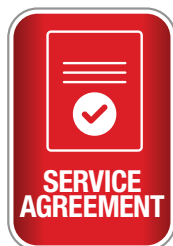
New vehicle warranty period

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

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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