

HINO

500 Series

GH 1728



* Illustration may contain item not standard to the model

ADR 80/03 Model
4 x 2 Cab Chassis

KEY FEATURES

- Cruise Control (Manual Models only)
- Anti-lock Brake System (ABS)
- Easy Start (ES) – Take-off Assist (Manual Models only)
- Automatic Transmission Variant
- Front Axle Stabiliser
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- Front Underrun Protection (FUP) (ADR 84/00 Complied)
- ISRI 6860/870 Driver seat with integrated Safety Belt
- ECE R-29 Cab Strength Compliant

KEY SPECIFICATIONS

GVM	16,000kg optional 17,000kg
GCM	38,000kg
Power	206kW
Torque	824Nm
Transmission	Five-speed automatic Six-speed manual Nine-speed manual
Wheelbase	3,760mm, 4,260mm, 5,030mm, 5,510mm, 6,200mm
Nominal Body Length	5,090mm, 5,890mm, 7,130mm, 7,890mm, 9,000mm

A Toyota Group Company

 **HINO**
A BETTER CLASS OF TRUCK



GH 1728

Engine & Driveline specifications

ENGINE

Model	Hino J08E-VD
Max. output (ISO Net)	206kW (280 HP) at 2400 RPM
Max. output (JIS GROSS)	210kW (285 HP) at 2400 RPM
Max. torque (ISO Net)	824Nm (84kgf/m) at 1500 RPM
Max. torque (JIS GROSS)	843Nm (86kgf/m) at 1500 RPM
Max. engine speed	2500 RPM
Engine compliance	ADR 80/03
Type	Diesel, turbocharged & intercooled, six-cylinder in-line, overhead camshaft & water-cooled
Combustion system	Direct injection with EGR
Bore & stroke	112 x 130mm
Piston displacement	7.684L
Compression ratio	17:1
Engine oil capacity	12.7L
Coolant capacity	24.5L
Fuel injection pump	Electronic control common-rail type
Intake system	Stack-type air intake
Air cleaner	Dual paper elements
Air compressor	Single cylinder, water-cooled
Bore & stroke	85 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

CLUTCH (Manual Models only)

Model	CS-380 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	380mm
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Model	Automatic		Manual	
	Allison 3000	Hino MF06S	Eaton 11109	
Description	Full automatic	Synchromesh	Synchromesh	
Number of forward gears	5	6	9	
1st	3.487	8.189	12.637	
2nd	1.864	5.340	8.806	
3rd	1.409	3.076	6.550	
4th	1.000	1.936	4.768	
5th	0.750	1.341	3.548	
6th		1.000	2.481	
7th			1.845	
8th			1.343	
9th			1.000	
Rev	5.027	7.142	13.210	
Torque Converter & Ratio	TC 415 2.35	N/A		

PERFORMANCE

Calculations based on 17 ton GVM, 11R22.5 drive tyres					
Transmission	5 speed auto	6 speed manual		9 speed manual	
Wheel base variant	Long & XXL	Medium	XL & XXL	Medium	Short, XL & XXL
Rear axle ratio	6.142	4.625	4.300	4.625	4.300
Engine RPM @ 100km/h	2,420	2,450	2,300	2,450	2,300
Max theoretical speed (km/h)	103	102	110	102	110
Gradeability tan θ (%) @ GVM	50.9	35.1	32.2	60.0	54.6
Speed limited to (km/h)	100				

BRAKES

Type	Full air, dual circuit, "S" cam, leading and trailing shoes for front and rear
Drum diameter x lining width	Front: 406.4 x 127mm Rear: 406.4 x 203mm
Air dryer	Equipped
Anti-lock Brake System (ABS)	Equipped
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe
Easy Start (ES)	Equipped (Manual Models only)

AXLE, SUSPENSION & LOAD LIMITS

FRONT		MF 671
Type	Reverse Elliot I-Beam	
Suspension	Tapered leaf springs with shock absorbers & stabiliser	
Spring Dimensions	1,470 x 80mm	
Spring Rate	32.8 kgf/mm	
Axle Limit (including suspension)	6,500 kg	
Tyre Limit	7,100 kg	
REAR		SH17
Type	Fully floating, single reduction, single speed by Hypoid gears	
Suspension	Air Suspension	
Make	Hendrickson	
Model	HAS 230 with shock absorbers	
Road Friendly N/o	RF 2005	
Axle Limit	10,500 kg	
Tyre Limit	12,600 kg	

WHEELS & TYRES

Wheel type	10-stud disc wheel (ISO type) 335 PCD
Rim size	8.25 x 22.5 – 165-12mm
Tyre size	Front: 295/80R22.5 – 152/148 Rear: 11R22.5 – 148/145
Number of tyres	Seven (including one spare tyre)
Spare tyre carrier	Equipped (except for short)

FUEL TANK

Capacity	200L (Steel) Medium and Long 390L (Aluminium) Short, Xlong and XXLong
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped

STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	20.1:1
Steering angle	Inside: 39°–42° Outside: 32°



GH 1728

Cab, Instrumentation & Chassis

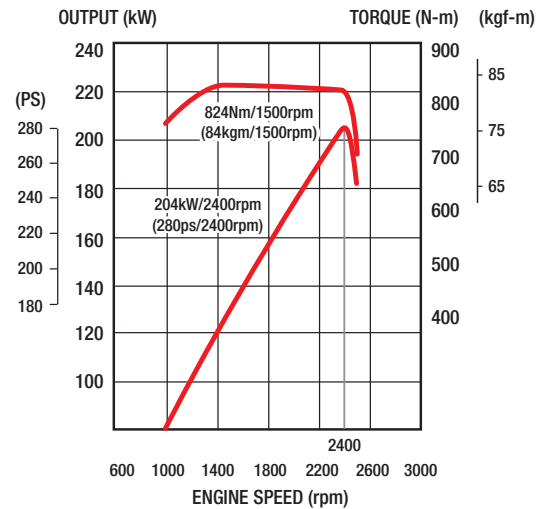
CAB DETAILS

Type	Forward control, all-steel construction mounted on coil spring suspension with electro hydraulic tilt mechanism
ECER29 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 & heated, flat type, two convex spotters & kerb view
Cigarette lighter 24V	Equipped
Electrical converter.	12V (harness type)
Floor mat	Vinyl type
Front air spoiler	Equipped
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
Audio	DAB+ AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver & passenger sides
Foot rest	Equipped
Easy Start	Equipped
Cup holder	Equipped
Cruise control	Equipped (except for auto model)

ELECTRICAL

Type	24V, negative earth
Batteries	12V x 2, series connection. Capacity 120Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 60A (90A for Auto)
Starter type	24V, 4.5kW
Headlamps	Halogen type including fog lamps
High/low beam	Equipped
Fluorescent reading lamp	Equipped
Electric horn	Equipped

POWER & TORQUE CHART (ISO Net) J08E-VD



INSTRUMENTS

- Meters & gauges**
 - Speedometer
 - Odometer with trip meter
 - Tachometer
 - Fuel gauge
 - Coolant temperature gauge
 - Air pressure gauge
- Switches**
 - One-key starting-stopping
 - Lighting
 - Directional indicator, dimmer & passing
 - Wiper & washer
 - Hazard lamp
 - Exhaust brake
 - Map lamp
 - Fog lamp
 - Easy Start (Manual Models only)
 - Cruise Control (except Auto Model)
 - DPR regeneration
 - Mirror controls
 - PTO (optional)
- Warning, pilot lamps & buzzers**
 - Oil pressure lamp & buzzer
 - Air pressure lamp & buzzer
 - Engine over-run buzzer
 - Coolant level lamp & buzzer
 - Air pressure lamp & buzzer
 - High beam indicator lamp
 - Turn signal indicator lamp
 - Parking brake indicator lamp
 - Exhaust brake indicator lamp
 - Engine control system lamp
 - Hazard indicator lamp
 - Back-up buzzer
 - ABS warning lamp
- Others**
 - Idle up control knob
 - Horn button
 - 12V electric source
- Multi information display**
 - Fuel consumption
 - Service reminders
 - Warnings
 - Faults

CHASSIS FRAME

Wheel Base	Short	Medium	Long	XLong	XXLong
Type	Ladder-shaped channel section side rails				
Chassis width (at rear)	870mm				
Main section (mm) (depth x flange x thickness)	270 x 90 x 8.0				
Tensile strength	540N/mm ²				
Inner Section (mm)	NA				254 x 74 x 3.2
Tensile strength	440N/mm ²				
Front Underrun Protection	Equipped				
Tow Hook (front and rear)	Equipped				

GENUINE ACCESSORY OPTIONS

- | | |
|------------------------------|------------------------------------|
| Bull bar | LED Driving Lights |
| Chrome wheel covers | Sunvisor |
| Sat Nav | Timber dash panel |
| Rear vision camera (up to 3) | Engine driven PTO 1:0.72 step-down |
| Stoneguard | or 1:1.08 step-up |

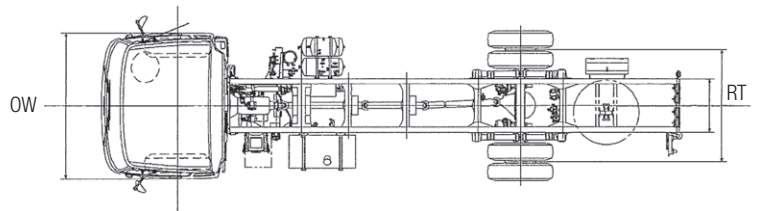
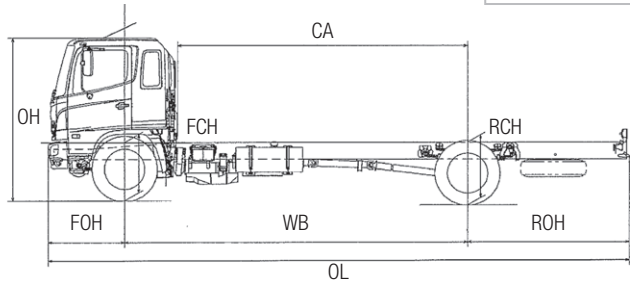
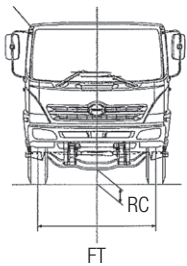
Please check with your dealer for price, availability & fitment for these options



GH 1728

500 Series

Dimensions



DIMENSIONS – mm/capacities

Model Hino GH 1728 Variants	Auto		6 speed manual			9 speed manual			
	Long	XXLong	Medium	XLong	XXLong	Short	Medium	XLong	XXLong
Model Code	GH8JM MG-UHU	GH8JS MG-UHU	GH8JJ MG-QHU	GH8JP MG-QHU	GH8JS MG-QHU	GH8JG MQ-RHU	GH8JJ MQ-RHU	GH8JP MG-RHU	GH8JS MG-RHU
Nominal Body Length (WB x .6) + CA – 80)	7,130	9,000	5,890	7,890	8,980	5,090	5,890	7,890	9,000
Wheelbase (WB)	5,030	6,200	4,260	5,510	6,200	3,760	4,260	5,510	6,200
Overall Length (OL)	8,630	10,450	7,470	9,360	10,450	6,345	7,470	9,360	10,450
Overall Width (OW)	2,450								
Overall Height (OH)	2,675			2,680					
Cab to Rear Axle centre (CA)	4,200	5,370	3,420	4,670	5,360	2,920	3,420	4,670	5,360
Front Overhang (FOH)	1,255								
Rear Overhang (ROH)	2,300	2,950	1,910	2,550	2,950	1,285	1,910	2,550	2,950
Front Chassis Height (FCH)	990			995					
Rear Chassis Height (RCH)	1,025								
Road Clearance (RC)	245								
Front Track (FT)	1,925								
Rear Track (RT)	1,840								
Turning Circle Kerb to Kerb	18,200	22,000	15,600	19,600	22,000	14,000	15,600	19,600	22,000
Wall to Wall	19,600	23,400	17,050	21,050	23,450	15,450	17,050	21,050	23,450
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance)									
Total	5,140	5,335	4,935	5,070	5,210	4,790	4,865	5,005	5,145
Front	3,295	3,370	3,100	3,185	3,260	3,040	3,045	3,130	3,205
Rear	1,845	1,985	1,835	1,885	1,950	1,750	1,820	1,875	1,940
GVM	16,000								
GVM option	17,000								
GCM	38,000								

WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 GH 1728	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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