

# HINO

## 500 Series

## GH 1832 Auto GH 1835 Manual



\* 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)
- Engine Retarder Brake
- 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
- Leaf and Air with ECAS Rear suspension variants
- Differential Cross Lock

## KEY SPECIFICATIONS

<b>Models</b>	. . . . .	GH 1832	. . . . .	GH 1835
<b>GVM</b>	. . . . .	16,000kg Standard	. . . . .	16,000kg Standard
	. . . . .	18,000kg Optional	. . . . .	18,000kg Optional
<b>GCM</b>	. . . . .	38,000kg	. . . . .	38,000kg
<b>Power</b>	. . . . .	320hp/235kW	. . . . .	350hp/257kW
<b>Torque</b>	. . . . .	1,275Nm	. . . . .	1,422Nm
<b>Transmissions</b>	. . . . .	Six-speed	. . . . .	Nine-speed
	. . . . .	Allison Automatic	. . . . .	Synchromesh Manual
<b>Nominal Wheelbases</b>	. . . . .	3.6, 4.2m, 5.4m, 6.0m, 6.3m		
<b>Max. Nominal Body Length<sup>#</sup></b>	. . . . .	5.0m, 5.9m, 7.9m, 8.8m, 9.2m		



# GH 1832

# GH 1835

## Engine & Driveline Specifications

### ENGINE

Model	GH 1832	GH 1835
Engine Model	A09C-US	A09C-UR
Max. Output (ISO Net) @ 1,800 RPM	320hp/235kW	350hp/257kW
Max. Torque (ISO Net) @ 1,100 RPM	1,275Nm	1,422Nm
Max. Engine Speed	2,100 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 150mm	
Piston Displacement	8.866L	
Compression Ratio	17.0:1	
Engine Oil Capacity	13.5L	
Coolant Fluid Capacity	Auto: 29.6L Manual: 29.5L	
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 60mm	
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-430
Type	Dry single plate with damper springs
Facing material	Organic
Facing outside diameter	430mm
Control	Hydraulic with air booster

### TRANSMISSION & GEAR RATIOS

Make & Description	Automatic		Manual	
	Allison 3200 series 6 speed with Electronic Control		Hino M009 OD 9 speed with Cable Control	
Type	Double Overdrive		Over Drive	
Gear Ratios	1	3.487	1	10.178
	2	1.864	2	6.986
	3	1.409	3	5.063
	4	1.000	4	3.636
	5	0.750	5	2.633
	6	0.653	6	1.921
	Rev	5.027	7	1.392
			8	1.000
			9	0.724
			Rev	9.874
Torque convertor & Ratio	TC 421	1.77		
Rear axle Ratio	5.428		4.875	

### PERFORMANCE

Calculations based on 18.0 t GVM with 11R22.5 drive tyres		
Transmission	Automatic	Manual
Engine RPM @ 100 km/h	1,860	1,850
Max theoretical speed (km/h)	112	114
Gradeability tan $\theta$ (%) @ GVM	48	60
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
Engine Retarder 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	1,700 x 90 x 28.8 mm x 1		
	Length x Width x Thickness x Number	1,700 x 70 x 30.3 mm x 1		
	Spring Rate	32.8 kgf/mm		
	Axle Limit (including suspension)	6,500 kg		
	Tyre Limit	7,100 kg		
REAR	Rear Axle Model	SH17 for 1832 / SH18 for 1835		
	Differential Cross Lock	Equipped		
	Type	Fully floating, single reduction, hypoid		
	Rear suspension types	Hino Multi Leaf		Hendrickson Air
	Suspension	Semi-elliptic Multi Leaf		HAS 230 airbag with double acting shock absorbers and ECAS remote height control system
		Main	Auxiliary	
	Spring Dimensions	1,500 x 90 x 14 x 9	1,000 x 90 x 12 x 6	
	Length x Width x Thickness x Number		1,000 x 90 x 13 x 2	
	Spring Rate	53.9 kgf/mm	102.1 kgf/mm	Suspension Rating N/o 2005
	Axle Limit (including suspension)	11,500 kg		
Tyre Limit	11,600 kg			

### WHEELS & TYRES

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

### FUEL TANK

Wheelbases	M	S, 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 1832 GH 1835

## Cab, Instrumentation & Chassis

### CAB DETAILS

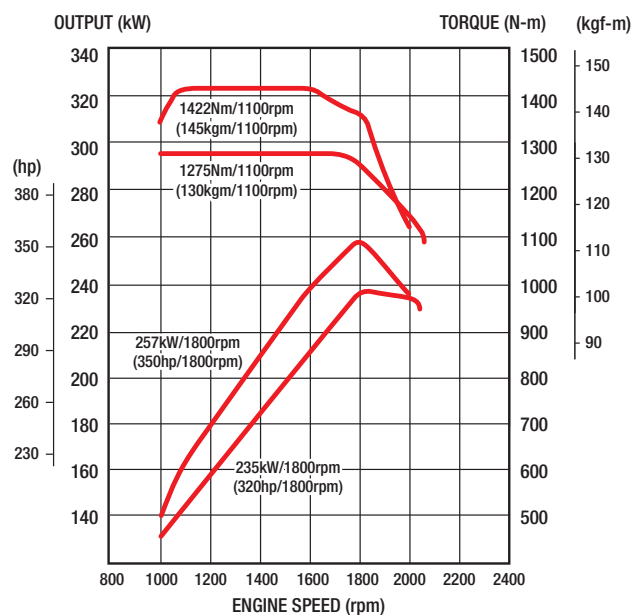
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, 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
Audio/visual display	DAB+ AM/FM radio with CD & DVD player, Bluetooth and Reverse Camera Display
Speakers	Driver & passenger
Foot rest	Equipped
Easy Start	Manual Models only
Cup holders	Equipped
Cruise control	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, 6.0 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) A09CUS & A09CUR

A09C-US/A09C-UR



### INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Easy Start Rate Control (Manual models only)
<b>LCD Gauges</b>	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
<b>Multi Information Display (MID)</b>	Fog Lamp
Fuel Consumption	ECAS remote (air bag models)
Service reminders	Differential Cross Lock
Warnings	Engine Retarder Brake
Faults	

### CHASSIS FRAME

Wheelbase variants	S, M & 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 <sup>2</sup> (63 kgf/mm <sup>2</sup> )	
Front Underrun Protection (FUP)	Equipped	
Front and rear tow hook	Equipped	

### GENUINE ACCESSORY OPTIONS

Bull bar	GPS Satellite Navigation
Stoneguard	External Vision Cameras (additional 2)
Sunvisor	LED Driving Lights
Seat covers	Hino Traq (Telematics)
Floor mats	Engine driven PTO
Dash mats	1:1 ratio
Weather shields	

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



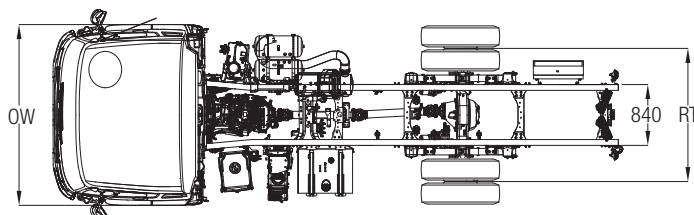
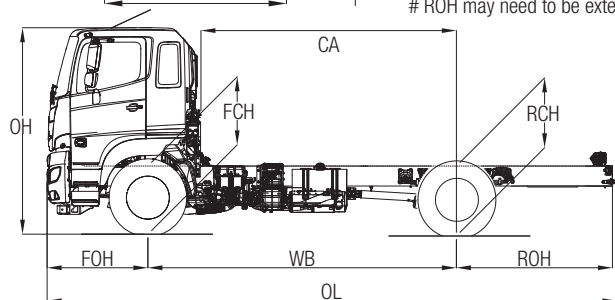
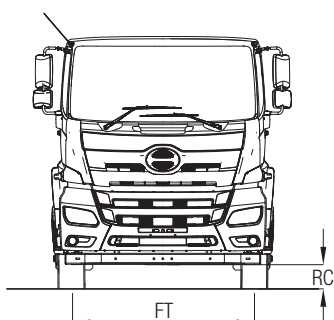
# GH 1832

# GH 1835

# 500 Series

## Dimensions

DIMENSIONS – mm/capacities



Model	GH 1832			GH 1835						
Wheelbase variant	LONG	XLONG	XXLONG	SHORT	LONG	XLONG	XXLONG	MEDIUM	XLONG	XXLONG
Transmission	AUTO			MANUAL						
Suspension	AIR			AIR				LEAF		
Model Code	GH1AN1G-RHU	GH1AS1G-RHU	GH1AT1G-RHU	GH1AF1Q-SHU	GH1AN1G-SHU	GH1AS1G-SHU	GH1AT1G-SHU	GH1AH1A-SHU	GH1AS1A-SHU	GH1AT1A-SHU
Wheelbase (WB)	5,450	6,050	6,350	3,650	5,450	6,050	6,350	4,230	6,030	6,330
Max Nominal Body length # (WB x 0.6(up to 3.7)) + CA – 80)	7,910	8,870	9,240	5,030	7,910	8,870	9,240	5,958	8,838	9,220
Overall Length (OL)	8,695	10,095	11,245	7,095	8,695	10,095	11,245	7,845	10,095	11,245
Overall Width (OW)	2,490									
Overall Height (OH)	2,900			2,905	2,900	2,895		2,900		
Cab to Rear Axle Centre (CA)	4,720	5,320	5,620	2,920	4,720	5,320	5,620	3,500	5,300	5,600
Front Overhang (FOH)	1,380									
Rear Overhang (ROH)	1,805	2,605	3,455	2,005	1,805	2,605	3,455	2,175	2,625	3,475
Front Chassis Height (FCH)	995			1,000	995	990		995		
Rear Chassis Height (RCH)	1,030							1,080	1,085	1,080
Road Clearance (RC)	250									
Front Track (FT)	2,050									
Rear Track (RT)	1,835									
Turning Circle Kerb to Kerb	18,400	20,200	21,200	13,000	18,400	20,200	21,200	14,600	20,200	21,200
Wall to Wall	20,200	22,000	23,000	14,800	20,200	22,000	23,000	16,400	22,000	23,000
Indicative Chassis Mass – kg	(10 litres of fuel & spare tyre and subject to ± 3% Tolerance)									
Total	5,832	5,967	6,047	5,763	5,953	6,083	6,163	6,004	6,248	6,328
Front	3,889	3,939	3,934	3,794	3,964	4,014	4,009	3,869	4,009	4,004
Rear	1,943	2,028	2,113	1,969	1,989	2,069	2,154	2,135	2,239	2,324
GVM	16,000kg Standard 18,000kg Optional									
GCM	38,000									

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

## WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 GH 1832 & GH 1835	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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