

GH 1728 Nine Air



* Illustration may contain item not standard to the model

ADR 80/03 Model
4 x 2 Cab Chassis

KEY FEATURES

- Cruise Control
- ABS Brakes
- Easy Start – Take-off Assist
- Front Axle Stabiliser
- Air Suspension on rear axle
- ECER29 Cab Strength Compliant
- FUP (ADR 84/00 Complied)
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6800 Driver seat with integrated Safety Belt

KEY SPECIFICATIONS

GVM	16,000kg Opt 17,000kg
GCM	38,000kg
Power	206kW @ 2400 RPM
Torque	824Nm @ 1500 RPM
Transmission	Nine-speed synchromesh
Wheelbase	4260mm (Medium), 5510mm (X Long), 6200mm (XX Long)





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Engine & Driveline specifications

ENGINE

Model	HINO J08E-VD
Max. output (ISO Net)	206kW (280 PS) at 2400 RPM
Max. output (JIS GROSS)	210kW (285 PS) 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 with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO V Std

CLUTCH

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	Eaton FS8209 (Short only)
	Eaton FS6109 (Medium, X Long & XX Long)
Type	Nine forward & one reverse speeds, direct drive, synchromesh on 1st to 9th
Control	Mechanical control
Rear axle gear ratio	4.625:1 (Medium) 4.300:1 (Short, XLong & XXLong)

1st	12.637	6th	.2481
2nd	.8.806	7th	.1.845
3rd	.6.550	8th	.1.343
4th	.4.768	9th	.1.000
5th	.3.548	Rev.	13.210

PERFORMANCE

Calculations based on 17.0 ton GVM, 11R22.5 drive tyres

	Medium	Short / X Long / XX Long
Engine RPM @ 100km/h	2450	2300
Speed limited to (km/h)	100	100
Max theoretical speed (km/h)	102	110
Gradeability tan θ (%) @ GVM	60	54.6

BRAKES

Type	Full air, dual circuit, "S" cam type, leading & trailing shoes for front and rear
Drum diameter x lining	
Width	Front: 406.4 x 127mm Rear: 406.4 x 203mm
Air dryer	Equipped
ABS	Equipped
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe
Easy Start	Equipped

AXLE LOAD & TYPE

Axle load limit	Front axle	6500kg
	Rear axle	10,500kg
Front axle type	MF671 series, Reversed Elliot, I-Beam	
Rear axle type	SH17 full-floating, single-reduction, single-speed hypoid	

SUSPENSION

Front suspension Type	Semi-elliptic tapered leaf springs with shock absorbers & stabiliser
Size	1470mm span x 80mm width
Rear suspension Type	Hendrickson HAS air bag suspension with shock absorbers

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 Short)

FUEL TANK

Capacity	200L for Medium, 400L for Short, XL & XXL
Fuel pre-filter & sedimentor	Equipped
Fuel tank cap key	Equipped



GH 1728 Nine Air

Cab, Instrumentation & Chassis

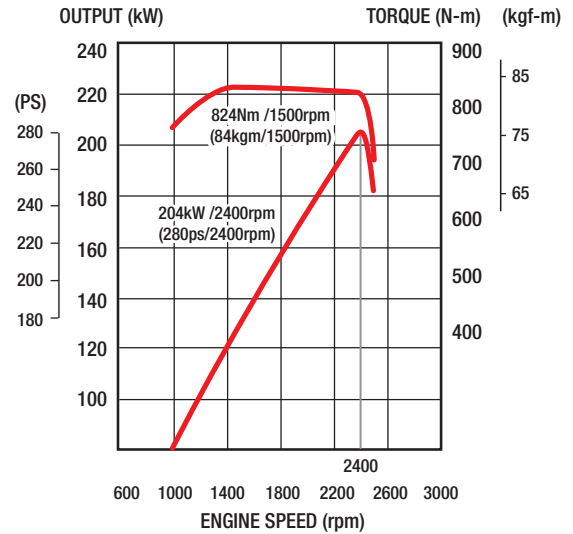
CAB DETAILS

Type	Forward control, all-steel construction mounted on coil spring suspension with electro hydraulic tilt mechanism
ECER29 Cab strength.	Compliant
Drivers SRS Airbag.	Equipped with pretensioner seatbelt
Seating capacity	Three
Driver's seat	ISRI 6800 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's 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, two flat type, two convex spotters
Cigarette lighter 24V	Equipped
Floor mat	Vinyl type
Front air spoiler	Equipped
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
Audio	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver's & passenger sides
Foot rest	Equipped
Easy Start	Equipped
Engine control link	Equipped
Speed limiter	Equipped
Cup holder	Equipped
Cruise Control	Equipped

ELECTRICAL

Type	24V, negative earth
Batteries	2 x 12V, series-connection. Capacity 120Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 60A
Starter type	24V, 4.5W
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 with trip meter
 - Odometer
 - Tachometer
 - Fuel gauge
 - Coolant temperature gauge
 - Air pressure gauge
- Switches**
 - One-key starting-stopping
 - Lighting
 - Directional indicator, dimmer & passing
 - Wiper and washer
 - Hazard lamp
 - Exhaust brake
 - Map lamp
 - Fog lamp
 - Easy Start
 - Cruise Control
- Warning, pilot lamps & buzzers**
 - Oil pressure warning lamp & buzzer
 - Air pressure warning lamp & buzzer
 - Engine over-run warning buzzer
 - Coolant level warning lamp & buzzer
 - High beam indicator lamp
 - Turn signal indicator lamp
 - Parking brake indicator lamp
 - Seat belt warning lamp & buzzer
 - Exhaust brake indicator lamp
 - Engine control system warning lamp
 - Hazard indicator lamp
 - Back-up warning buzzer
- Others**
 - DPR regeneration
 - Mirror controls
 - Idle up control knob
 - Horn button
 - 12V electric source

STEERING

Type	Telescopic & tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	20.2:1
Steering angle	Inside: 39-42° Outside: 32°

CHASSIS FRAME

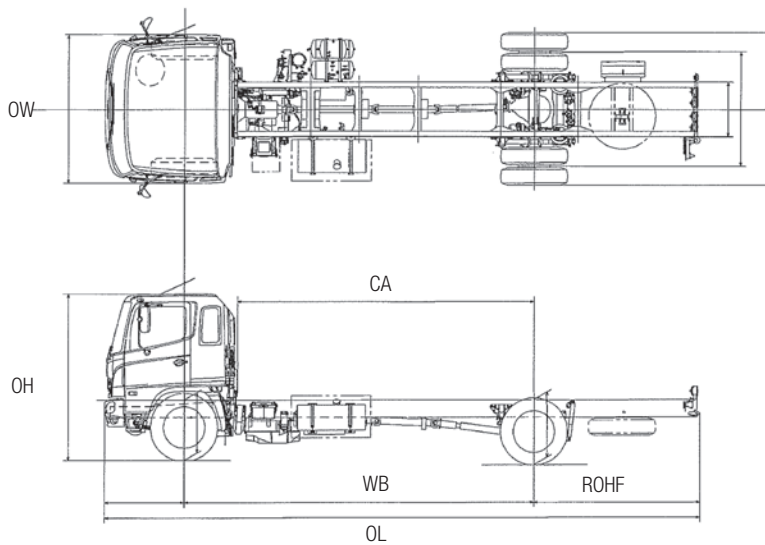
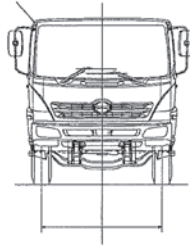
Type	Ladder-shaped channel section side rails
Rear chassis width	870mm
Max. section (depth x flange x thickness)	270 x 90 x 8.0mm
Inter stiffener (depth x flange x thickness)	254 x 74 x 3.2mm (XX Long)
Tensile strength	Main: 540N/mm ² {55kgf/mm ² } Inner: 440N/mm ² {45kgf/mm ² }
Hooks	Equipped for front & rear
Chassis step	Equipped
Factory FUP	Equipped



GH 1728 Nine Air

500
S E R I E S

Dimensions



DIMENSIONS - mm / Capacities

Model	Short	Medium	X Long	XX Long
Production code	.GH8JGMQ-RHU	GH8JMQ-RHU	GH8JPMG-RHU	GH8JSMG-RHU
Wheelbase (WB)	.3760	.4260	.5510	.6200
Overall length (OL)	.6345	.7470	.9360	10,450
Overall width (OW)	.2450	.2450	.2450	.2450
Overall height (OH)	.2680	.2680	.2680	.2680
Cab to rear axle centre (CA)	.2920	.3420	.4670	.5360
Rear overhang (at frame end) (ROHF)	.1285	.1910	.2550	.2950
Front chassis height (HF)	.995	.995	.995	.995
Rear chassis height (HR)	.1025	.1025	.1025	.1025
Road clearance (at diff. case) (RC)	.245	.245	.245	.245
Front track (FT)	.1925	.1925	.1925	.1925
Rear track (RT)	.1840	.1840	.1840	.1840
Turning circle kerb to kerb	.14,000	.15,600	.19,600	.22,000
Turning circle wall to wall	.15,450	.17,050	.21,050	.23,450
Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)				
Total	.4790	.4865	.5005	.5145
Front	.3040	.3045	.3130	.3205
Rear	.1750	.1820	.1875	.1940
GVM*	.16,000	.16,000	.16,000	.16,000
GCM	.38,000	.38,000	.38,000	.38,000

*Optional 17,000kg GVM available on application.

GENUINE ACCESSORY OPTIONS

Chrome wheel covers	Stoneguard
Sat Nav	Sunvisor
Rear vision camera (up to 3)	Timber dash panel
Roof scoop	Engine driven PTO 1:1.08 step-up
Side skirts	FUP compliant bull bar

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

WARRANTY

New vehicle warranty period

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