



ADR 80/03 Model
4 x 4 Cab Chassis

* Illustration may contain item not standard to the model

KEY FEATURES

- Cruise Control
- Selectable 4 x 4 & Low Range
- Low Range Ratio 2.224 : 1
- ECER29 Cab Strength Compliant
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6800 Drivers seat with integrated Safety Belt

KEY SPECIFICATIONS

- GVM.** 13,000kg
- GCM.** 21,000kg
- Power** 158kW @ 2400 RPM
- Torque.** 637Nm @ 1500 RPM
- Transmission** Six-speed synchromesh,
Hi – Lo speed transfer case
- Wheelbase** 4100mm (Medium), 4650mm (Long)





GT 1322 4x4

Engine & Driveline specifications

ENGINE

Model	Hino J08E VE
Max. output (ISO NET)	158kW (215 PS) at 2400 RPM
Max. output (JIS GROSS)	162kW (220 PS) at 2400 RPM
Max. torque (ISO NET)	637Nm (65kgf/m) at 1500 RPM
Max. torque (JIS GROSS)	647Nm (66kgf/m) at 1500 RPM
Max. engine speed	2500 RPM
Engine compliance	ADR 80/03
Type	Diesel, turbocharged and 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	17.0:1
Engine oil capacity	13.5L
Coolant capacity	21.0L
Fuel injection pump	Electronic control common-rail type
Air cleaner	Dual paper elements
Air compressor type	Single cylinder, water-cooled
Bore & stroke	70 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet with DPR
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO 5 Std

CLUTCH

Model	CS-350 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	350mm
Control	Hydraulic with air booster

TRANSFER

Model	MA12C
Type	Two-speed
Low ratio	2.224:1

TRANSMISSION & GEAR RATIOS

Model	LX06S
Type	Six forward and one reverse speeds, overdrive, synchromesh on 2nd to 6th
Control	Cable with power shift

Range ratio	Low	High	Low	High
1st	13.562	6.098	5th	2.224
2nd	8.580	3.838	6th	1.692
3rd	5.204	2.340	Rev.	12.614
4th	3.162	1.422		5.672

Rear axle gear ratio 5.428:1

PERFORMANCE

Calculations based on 13.0-tonne GVM, 9.00R20-14PR tyre

Engine RPM @ 100km/h	2250
Speed limited to (km/h)	100
Max theoretical speed (km/h)	112
Gradeability tan θ (%) @ GVM	60.0

BRAKES

Type	Hydraulic system with two leading shoes for front and rear acting on all wheels
Control	Air over hydraulic, dual circuits
Drum diameter x lining	
Width	Front: 400 x 120mm Rear: 400 x 155mm
Air dryer	Equipped
ABS	Optional (not available with factory Nospin Diff Lock)
Auto brake adjuster	Equipped
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

AXLE LOAD & TYPE

Front axle	4700kg
Rear axle	9200kg
Front axle type	SS15 series full-floating, single reduction, single-speed by spiral bevel gearings with constant velocity universal joints
Rear axle type	SH16 full-floating, single reduction, single-speed by hypoid gearings
Nospin differential lock	STD (Not available with ABS)

SUSPENSION

Front suspension Type	Semi-elliptic leaf springs with double-acting shock absorbers
Size	1400 span x 80mm width
Rear suspension Type	Semi-elliptic main and auxiliary leaf springs
Size	(main springs) 1600 span x 80mm width (auxiliary springs) 1050 span x 80mm width

WHEELS & TYRES

Wheel type	Eight-stud disc wheel (JIS type) PCD 285
Rim size	7.00T x 20 – offset 152-11
Tyre size	9.00R20-14PR
Number of tyres	Seven (including one spare)
Spare tyre carrier	Equipped

FUEL TANK

Capacity	200L
Fuel pre-filter & sedimenter	Equipped



GT 1322 4x4

Cab, Instrumentation & Chassis

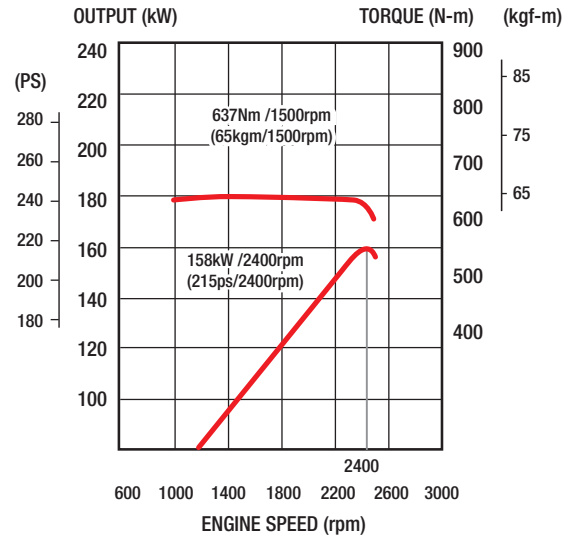
CAB DETAILS

Type	Forward control, all-steel construction with Electro Hydraulic Power Tilt
Drivers SRS Airbag	Equipped
ECER29 Cab strength.	Compliant
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 and 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 & overhead console	For driver & passenger sides
Windshield wipers	Electric, dual, intermittent & 2-speed
Ventilator	Forced type by electric blower
Rear view mirrors	Electric & heated, two flat two convex spotters
Cigarette lighter 24V	Equipped
Floor mat	Vinyl type
Central locking & keyless entry	Optional
Immobiliser	Equipped
Heater & defroster	Standard
Air conditioner	Standard
Trim	Full trim type (side, roof and back)
Cab pockets	Equipped on both front door sides
Power windows	Optional
Audio	DAB AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver & passenger sides
Foot rest	Equipped
Engine control link	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 and voltage regulator
Capacity	24V, 90A
Starter	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 VE



INSTRUMENTS

- Meters and 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 & washer
 - Hazard lamp
 - Exhaust brake
 - Map lamp
 - Fog lamp
 - Cruise Control
 - DPR regeneration
 - Mirror controls
- 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**
 - Idle up control knob
 - Horn button
 - 12V electric source (harness type)

STEERING

Type	Telescopic & tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	19.05:1
Steering angle	Inside: 32° 25' Outside: 28°

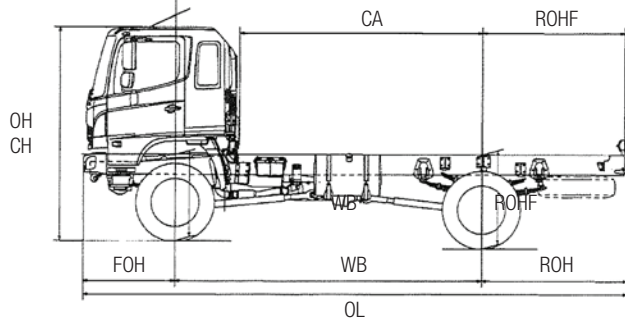
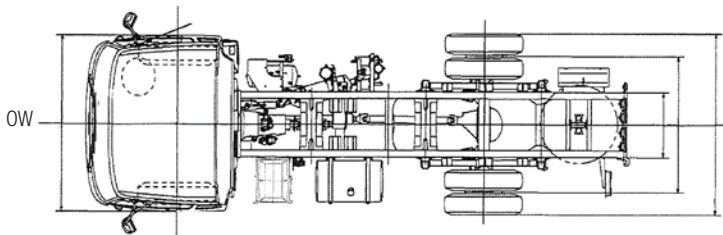
CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Rear chassis width	870mm
Max. section (depth x flange x thickness)	270 x 90 x 8.0mm
Tensile strength	540N/mm ² {55 kgf/mm ² }
Hooks	Equipped for front and rear
Chassis step	Equipped



GT 1322 4x4

Dimensions



DIMENSIONS - mm / Capacities

Model Hino GT 1322	Medium	Long
Production codes	GT8JHMA-AGU	GT8JKMA-AGU
Wheelbase (WB)	4100	4650
Overall length (OL)	7310	7860
Overall width (OW)	2380	2380
Overall height (OH)	2830	2830
Cab to rear axle centre (CA)	3240	3790
Rear overhang (at frame end) (ROHF)	1930	1930
Front chassis height (HF)	1115	1115
Rear chassis height (HR)	1205	1205
Road clearance (at diff. case) (RC)	240	240
Front track (FT)	1950	1950
Rear track (RT)	1820	1820
Turning circle kerb to kerb	17,600	19,800
Turning circle wall to wall	19,050	21,250

Chassis mass - kg (standard tools, 10 litres of fuel, without spare tyre)

Total	4970	5010
Front	3100	3160
Rear	1870	1850
GVM	13,000	13,000
GCM	21,000	21,000

GENUINE ACCESSORY OPTIONS

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

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 GT 1322 4x4	4 x 4	3 years or 150,000km	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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