



* Illustration may contain item not standard to the model

4 x 4 Cab Chassis

KEY FEATURES

- Cruise Control
- Selectable 4 x 4 + low range
- Low range ratio 2.224 : 1
- Drivers SRS Airbags
- Heated & Electrically Operated External Mirrors

KEY SPECIFICATIONS

- GVM.** 10,000kg
Optional derate to 8,000kg
- GCM.** 14,500kg
- Power** 152kW @ 2500 RPM
- Torque.** 608Nm @ 1500 RPM
- Transmission** Six-speed synchromesh,
Hi – Lo speed transfer case
- Wheelbase** 3750mm





FT 1022 4x4

Engine & Driveline specifications

ENGINE

Model	Hino J08E UA
Max. output (ISO NET)	152kW (207 PS) at 2500 RPM
Max. output (JIS GROSS)	158kW (215 PS) at 2500 RPM
Max. torque (ISO NET)	608Nm (62kgf/m) at 1500 RPM
Max. torque (JIS GROSS)	608Nm (62kgf/m) at 1500 RPM
Max. engine speed	2550 RPM
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	18.5:1
Engine oil capacity	13.5L
Coolant capacity	21.0L
Fuel injection pump	Electronic control common-rail type
Intake system	Stack-type air intake
Air cleaner	Dual paper elements
Air compressor type	Single cylinder, water-cooled
Bore & stroke	70 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet

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	LX06SR
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	1.000
2nd	8.580	3.838	6th	1.692	0.761
3rd	5.204	2.340	Rev.	12.614	5.672
4th	3.162	1.422			

Rear axle gear ratio 5.142:1

PERFORMANCE

Calculations based on 11.0-ton GVM, 9.00R20-14PR tyre	
Engine RPM @ 100km/h	2250
Max. speed (km/h)	113
Gradeability tan θ (%) @ GVM	60.0

BRAKES

Type	Hydraulic system with two leading shoes for front & rear acting on all wheels
Control	Air over hydraulic, dual circuits
Drum diameter x lining	
Width	Front: 400 x 120mm Rear: 400 x 130mm
Air dryer	Equipped
Brake auto-shoe adjuster	Equipped
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe

AXLE LOAD & TYPE

Front axle	3700kg
Rear axle	7000kg
Front axle type	SS12 series full-floating, single reduction, single-speed by spiral bevel gearings with constant velocity universal joints
Rear axle type	SH13 full-floating, single reduction, single-speed by hypoid gearings with "Nospin" differential lock

SUSPENSION

Front suspension Type	Semi-elliptic leaf springs with double-acting shock absorbers
Size	1300 span x 70mm width
Rear suspension Type	Semi-elliptic main & auxiliary leaf springs
Size	Main Spring: 1300 Span x 70mm width Auxiliary Spring: 900mm x 70 mm width

WHEELS & TYRES

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

FUEL TANK

Capacity	200L
Fuel pre-filter & sedimenter	Equipped
Fuel tank cap key	Equipped



FT 1022 4x4

Cab, Instrumentation & Chassis

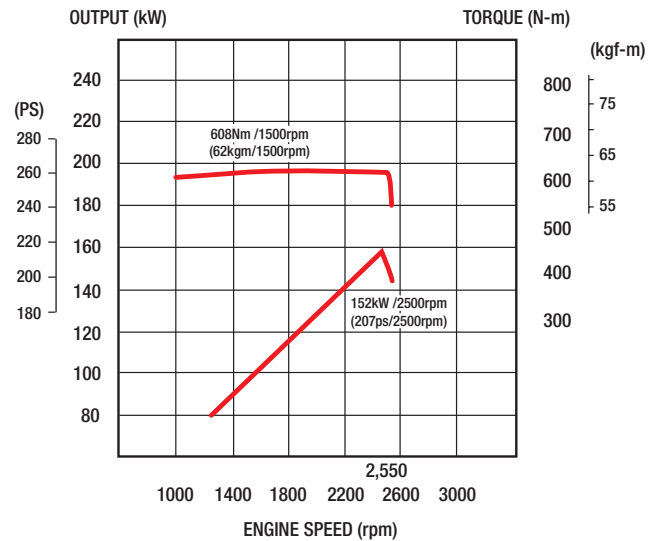
CAB DETAILS

Type	Forward control, all-steel construction with Electro Hydraulic Power Tilt
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	Urethane foam pads, high-back, 4-way adjustable seat with fabric cover & air suspension
Side passenger's seat	Urethane foam pads, high-back & reclining seat with fabric cover & under-tray
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	Inside: One, flat type Outside: Electric & heated, two flat type, two convex spotters
Cigarette lighter 24V	Equipped
Floor mat	Vinyl type
Key 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
Car audio	AM/FM radio with CD player
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 & voltage regulator
Capacity	24V, 90A
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 UA



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
- Warning, pilot lamps & buzzers**
 - Engine oil pressure warning lamp & buzzer
- Others**
 - Air pressure warning lamp & buzzer
 - Engine over-run warning buzzer
 - Coolant level warning lamp & buzzer
 - Brake fluid level warning lamp & buzzer
 - Brake adjustment 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
 - 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: 50-53° Outside: 39°

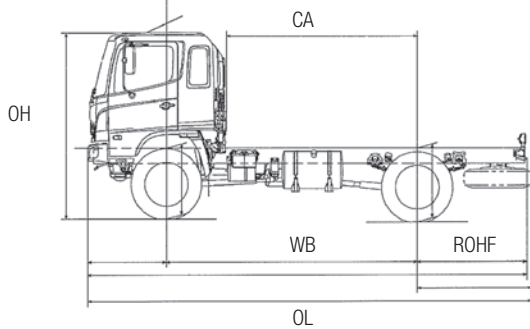
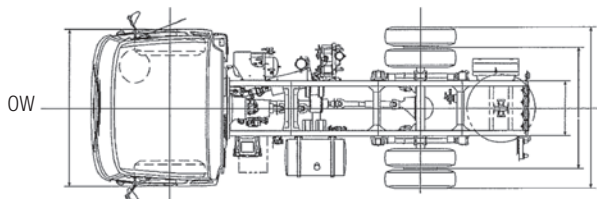
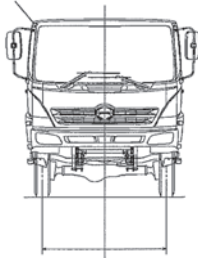
CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Rear chassis width	820mm
Max. section (depth x flange x thickness)	233 x 78 x 7.5mm
Tensile strength	540N/mm ² {55 kgf/mm ² }
Hooks	Equipped for front & rear
Chassis step	Equipped



FT 1022 4x4

Dimensions



DIMENSIONS - mm / Capacities

Model	Hino FT 1022 4x4
Production code	.FT8JGKA
Wheelbase (WB)	3750
Overall length (OL)	6645
Overall width (OW)	2355
Overall height (OH)	2760
Cab to rear axle centre (CA)	2850
Rear overhang (at frame end) (ROHF)	1600
Front chassis height (HF)	1020
Rear chassis height (HR)	1095
Road clearance (at diff. case) (RC)	305
Front track (FT)	1855
Rear track (RT)	1680
Turning circle kerb to kerb	16,200
Turning circle wall to wall	17,650
Chassis mass - kg (standard tools, 10 litres of fuel, without spare tyre)	
Total	4200
Front	2705
Rear	1495
GVM*	10,000
GCM	14,500

*GVM can be derated to 8,000

GENUINE ACCESSORY OPTIONS

Bull bar	Side skirts
Chrome wheel covers	Stoneguard
Electric mirrors	Sunvisor
Multimedia sat nav	Timber dash panel
Rear vision camera	Engine driven PTO 1:1.08 step-up
Roof scoop	

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

WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty <small>(whichever comes first)</small>	Cab corrosion perforation
500 FT 1022 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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