

HINO

500 Series

FG 1628



* 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

KEY SPECIFICATIONS

GVM.	15,500kg
GCM.	32,000kg
Power	206kW
Torque	824Nm
Transmission	Five-speed automatic
	Six-speed manual
	Nine-speed manual
Wheelbase	3780mm, 4280mm, 5530mm, 6220mm
Nominal Body Length	5110mm, 5900mm, 7900mm, 9010mm

A Toyota Group Company

 **HINO**
A BETTER CLASS OF TRUCK



FG 1628

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		
Rear Axle Ratio	5.428		4.300	

PERFORMANCE

Calculations based on 15.5 ton GVM with 11R22.5 drive tyres				
Wheel base variant	Short	Medium	XL & XXL	Med, XL & XXL
Transmission	5 speed auto	6 speed manual	9 speed manual	
Rear axle ratio	5.428	4.625	4.300	4.300
Engine RPM @ 100km/h	2150	2430	2260	2260
Max theoretical speed (km/h)	116	103	110	110
Gradeability tan θ (%) @ GVM	47.5	39.1	35.9	60.0
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 Axle Model		MF 761	
FRONT	Type	Reverse Elliot I-Beam	
	Suspension	Tapered leaf springs with shock absorbers & stabiliser	
	Spring Dimensions	1470 x 80mm	
	Spring Rate	29.7 kgf/mm	
	Axle Limit (including suspension)	6500 kg	
	Tyre Limit	7100 kg	
Rear Axle Model		SH16 (auto and 6 speed) SH17 (9 speed)	
REAR	Type	Fully floating, single reduction, single speed by Hypoid gears	
	Suspension	Steel Suspension Semi-elliptic leaf springs with shock absorbers	
	Spring Dimensions (length x width)	Main 1300 x 90mm	Auxiliary 980 x 90mm
	Spring Rate	56.6 kgf/mm	101.7 kgf/mm
	Axle Limit (including suspension)	10,000 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
Type	All steel rectangle
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°



FG 1628

Cab, Instrumentation & Chassis

CAB DETAILS

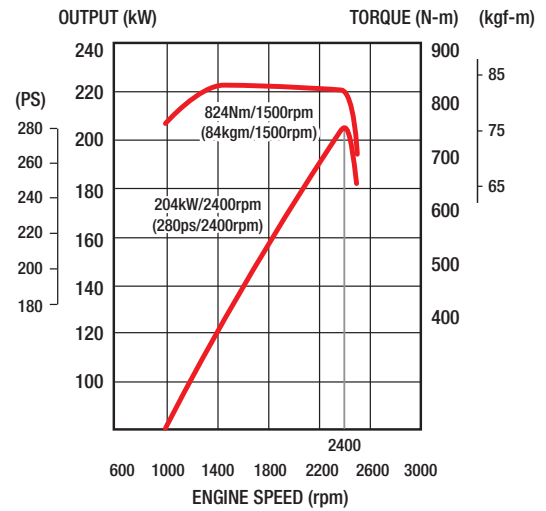
Type	Forward control, all-steel construction mounted on coil spring suspension with electro hydraulic tilt mechanism
ECER29 Cab strength.	Compliant
Drivers SRS Airbag.	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air 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 (65 Ah optional for Auto)*
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

*For Auto 65Ah battery opt 60A Alternator is STD

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

Chassis Frame Dimensions	Short Auto	Medium	XLong	XXLong
Type	Ladder-shaped channel section side rails			
Chassis width (at rear)	870mm			
Main section (mm) (depth x flange x thickness)	269 x 85 x 7.5		270 x 85 x 8.0	270 x 90 x 8.0
Tensile strength	540N/mm ²			
Inner Section (mm)	NA			254 x 74 x 3.2
Tensile strength	NA			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 or 1:1.08 step-up |
| Stoneguard | |

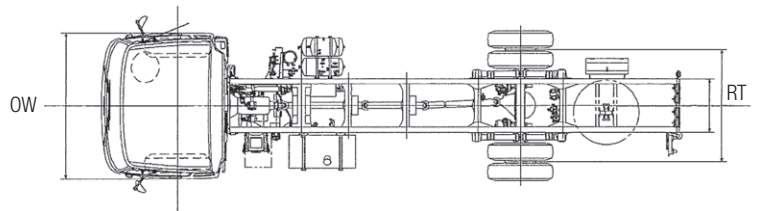
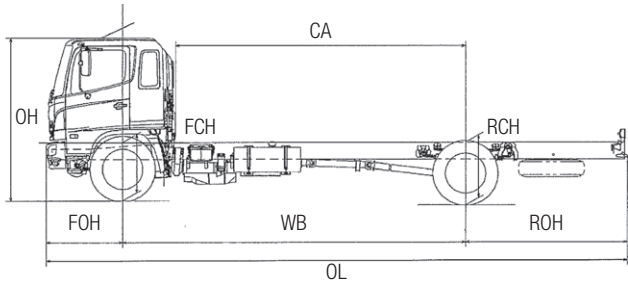
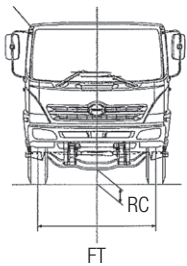
Please check with your dealer for price, availability & fitment for these options



FG 1628

500 Series

Dimensions



DIMENSIONS – mm/capacities

Model Hino FG 1628	Short	Medium	XLong	XXLong	Medium	XLong	XXLong
Transmission Variants	Auto	6 speed manual		9 speed manual			
Model Code	FG8JGMB-UHU	FG8JJMB-QHU	FG8JPMB-QHU	FG8JSMB-QHU	FG8JJMB-RHU	FG8JPMB-RHU	FG8JSMB-RHU
Nominal Body Length (WB x .6) + CA – 80)	5110	5900	7900	9010	5900	7900	9010
Wheelbase (WB)	3780	4280	5530	6220	4280	5530	6220
Overall Length (OL)	6345	7470	9360	10450	7470	9360	10450
Overall Width (OW)	2450						
Overall Height (OH)	2645						
Cab to Rear Axle centre (CA)	2920	3420	4670	5360	3420	4670	5360
Front Overhang (FOH)	1235						
Rear Overhang (ROH)	1285	1910	2550	2950	1910	2550	2950
Front Chassis Height (FCH)	960						
Rear Chassis Height (RCH)	1025						
Road Clearance (RC)	250						
Front Track (FT)	1925						
Rear Track (RT)	1840						
Turning Circle Kerb to Kerb	14,000	15,200	19,800	22,000	15,200	19,800	22,000
Wall to Wall	14,500	17,050	21,250	23,450	17,050	21,250	23,450
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance)							
Total	5025	5065	5230	5370	5025	5190	5320
Front	3090	3070	3165	3250	3020	3110	3190
Rear	1935	1995	2065	2020	2005	2080	2130
GVM	15,500						
GCM	32,000						

WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 FG 1628	4 x 2	3 years or 150,000km	36 months

Battery warranty – 12 months from date of delivery

* For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *



DISCLAIMER

Important notice. Hino Trucks are distributed in Australia by Hino Motor Sales Australia Pty Ltd A.C.N. 064 989 724.

All efforts have been made to ensure the information contained in this brochure was correct at time of printing or uploading. Hino Motor Sales Australia Pty Ltd reserves the right to alter any details of the specifications & equipment without notice. Hino in so far as it is permitted by law to do so, shall not be liable in any way as a result of any reliance placed by any person on anything contained in this brochure. You should therefore check with your authorised Hino dealer at the time of ordering your motor vehicle to ensure that colour, specifications, equipment, design features & options are available for the vehicle you are ordering. Please note that some options may only be available in combination with others. Authorised Hino dealers will on request provide up to date information on all accessories, design features, prices & availability.

HS500FG1628-07/15