

# HINO

## 500 Series

# FG 1628



\* 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)
- Reverse Camera
- Easy Start (ES) (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

## KEY SPECIFICATIONS

<b>GVM.</b>	16,000kg
<b>GCM.</b>	32,000kg
<b>Power</b>	280hp/206kW
<b>Torque</b>	883Nm
<b>Transmissions</b>	Six-speed Synchromesh Manual Six-speed Allison Automatic
<b>Nominal Wheelbases</b>	3.7m, 4.3m, 5.0m, 5.5m, 6.1m, 6.4m
<b>Max. Nominal Body Length<sup>#</sup></b>	4.9m, 6.0m, 7.2m, 7.9m, 8.8m, 9.2m

A Toyota Group Company

 **HINO**  
A BETTER CLASS OF TRUCK



# FG 1628

## Engine & Driveline Specifications

### ENGINE

Model	J08E-WA
Max. Output (ISO Net)	280hp/206kW @ 2,500 RPM
Max. Torque (ISO Net)	883Nm @ 1,500 RPM
Max. Engine Speed	2,700 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 130mm
Piston Displacement	7.687L
Compression Ratio	18.0:1
Engine Oil Capacity	13.5L
Coolant Fluid Capacity	Auto: 25L Manual: 21.5L
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 40mm
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-380
Type	Dry single plate with damper springs
Facing material	Organic
Facing outside diameter	380mm
Control	Hydraulic with air booster

### TRANSMISSION & GEAR RATIOS

Make & Description	Automatic		Manual	
	Allison 3000 series 6 speed with Electronic Control		Hino MX06 6 speed with Cable Control	
Type	Double Overdrive		Single Overdrive	
Gear Ratios	1	3.487	1	6.515
	2	1.864	2	4.224
	3	1.409	3	2.441
	4	1.000	4	1.473
	5	0.750	5	1.000
	6	0.653	6	0.702
	Rev	5.027	Rev	6.991
Torque convertor & Ratio	TC 415	2.35		
Rear axle Ratio	6.428		6.428	

### PERFORMANCE

Calculations based on 16.0 t GVM with 11R22.5 drive tyres		
Transmission	Automatic	Manual
Wheelbase variants	S, M, ML, L, XL & XXL	M, L, XL, & XXL
Engine RPM @ 100 km/h	2,200	2,370
Max theoretical speed (km/h)	122	115
Gradeability tan $\theta$ (%) @ GVM	60	46.4
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
Exhaust 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 Length x Width x Thickness x Number	1,525 x 80 x 19mm x 1 1,525 x 80 x 20.5mm x 3	
	Spring Rate	32.4 kgf/mm	
	Axle Limit (including suspension)	6,500 kg	
	Tyre Limit	6,900 kg	
REAR	Rear Axle Model	SH16	
	Type	Fully floating, single reduction, hypoid	
	Suspension	Semi-elliptic Multi Leaf	
		Main	Auxiliary
	Spring Dimensions Length x Width x Thickness x Number	1,400 x 90 x 12 x 4 1,400 x 90 x 13 x 6	900 x 90 x 10 x 10
	Spring Rate	53.6 kgf/mm	101.1 kgf/mm
	Axle Limit (including suspension)	10,000 kg	
	Tyre Limit	10,900 kg	

### WHEELS & TYRES

Material	Polished Aluminium
Wheel type	10-stud disc (ISO) 335 PCD
Rim size (in)	22.5 x 8.25 – 165mm offset
Tyre size	Front: 295/80R22.5 152/148
	Rear: 11R22.5 148/145
Number of tyres	7
Spare Tyre Carrier	Equipped (Except for Short and Medium)

### FUEL TANK

Wheelbases	Short & Medium	ML, 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°



# FG 1628

## Cab, Instrumentation & Chassis

### CAB DETAILS

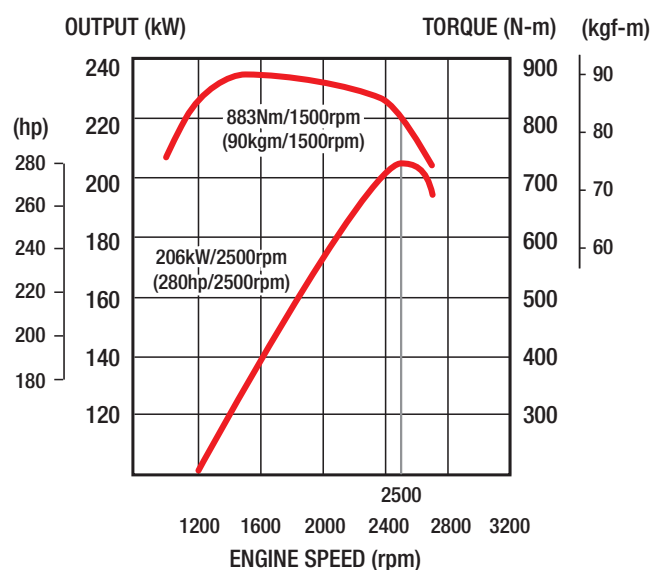
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three (two for FG8JF1A-WHU)
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar 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 (except for FG8JF1A-WHU)
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
Multi media system	6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AAUX input, Bluetooth® 4.1, Android 6.0 CANBUS connection and Wi-Fi enabled
Speakers	Driver & passenger
Foot rest	Equipped
Easy Start	Manual Models only
Cup holders	Equipped
Cruise control	Equipped
Reverse camera	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, 5.0 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) J08E-WA

J08E-WA



### INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Easy Start Rate Control (Manual models only)
LCD Gauges	
Air pressure (2)	Idle up Control
Fuel	Quick warm up switch
AdBlue®	VSC/ASR off switch
Engine Temperature	Hino Stop Start System off switch (Manual models only)
Odometer plus trip meter	Eco Run (Manual models only)
Multi Information Display (MID)	Headlight Levelling
Fuel Consumption	Fog Lamp
Service reminders	
Warnings	
Faults	

### CHASSIS FRAME

Wheelbase variants	S, M & ML	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 3)
Sunvisor	LED Driving Lights
Seat covers	Hino Traq (Telematics)
Floor mats	Engine driven PTO
Dash mats	1:0.72 step-down
Weather shields	or 1:1.08 step-up

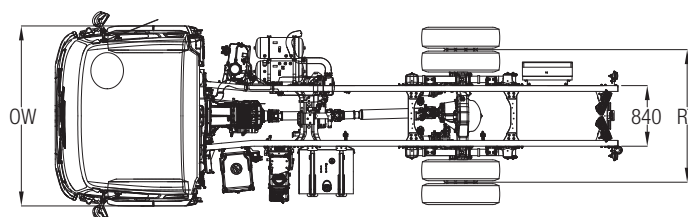
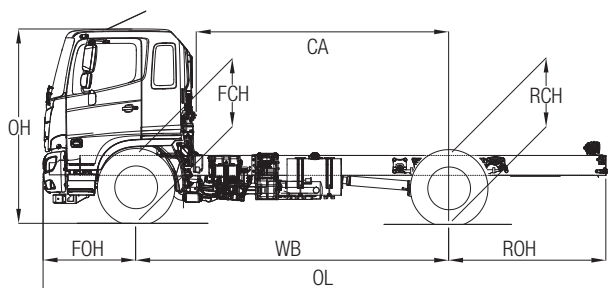
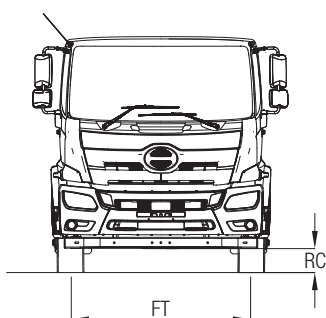
Please check with your dealer for price, availability & fitment for these options



# FG 1628

# 500 Series

## Dimensions



### DIMENSIONS – MM/CAPACITIES

Model	FG 1628									
Wheelbase variant	SHORT	MEDIUM		MEDIUM LONG	LONG		X LONG		XX LONG	
Transmission	AUTO	AUTO	MANUAL	AUTO	AUTO	MANUAL	AUTO	MANUAL	AUTO	MANUAL
Model Code	FG8JF1A WHU	FG8JJ1A WHU	FG8JJ1A UHU	FG8JM1A WHU	FG8JP1A WHU	FG8JP1A UHU	FG8JS1A WHU	FG8JS1A UHU	FG8JT1A WHU	FG8JT1A UHU
Wheelbase (WB)	3,730	4,330		5,080	5,530		6,130		6,430	
Max Nominal Body length # (WB x 0.6 (up to 3.7)) + CA – 80)	4,930	6,010		7,210	7,930		8,890		9,220	
Overall Length (OL)	7,095	7,845		8,895	9,445		11,045		11,245	
Overall Width (OW)	2,490									
Overall Height (OH)	2,765	2,760								
Cab to Rear Axle Centre (CA)	2,775	3,500		4,250	4,700		5,300		5,600	
Front Overhang (FOH)	1,280									
Rear Overhang (ROH)	2,025	2,175		2,475	2,575		3,575		3,475	
Front Chassis Height (FCH)	1,015	1,010								
Rear Chassis Height (RCH)	1,065			1,050						
Road Clearance (RC)	260									
Front Track (FT)	2,050									
Rear Track (RT)	1,835									
Turning Circle Kerb to Kerb Wall to Wall	13,200 14,800	15,000 16,600		17,400 19,000	18,600 20,200		20,600 22,200		21,400 23,000	
Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance)										
Total	5,437	5,481	5,431	5,560	5,680	5,625	5,780	5,730	5,795	5,745
Front	3,456	3,505	3,465	3,543	3,593	3,548	3,603	3,558	3,633	3,588
Rear	1,981	1,976	1,966	2,017	2,087	2,077	2,177	2,172	2,162	2,1575
GVM	16,000									
GCM	32 000									

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

### WARRANTY

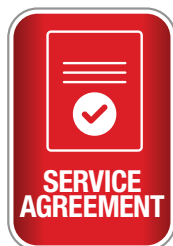
New vehicle warranty period

Medium 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 \*



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