

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
- Reverse Camera
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- ISRI 6860/870 Drivers seat with integrated Safety Belt
- ECE R-29 Cab Strength Certified
- Hino Connect Telematics

KEY SPECIFICATIONS

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

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
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)
Engine Immobilizer	Equipped

TRANSMISSION & GEAR RATIOS

Make & Description	Automatic	
	Allison 3000 series 6 speed with Electronic Control	
Type	Double Overdrive	
Gear Ratios	1	3.487
	2	1.864
	3	1.409
	4	1.000
	5	0.750
	6	0.653
	Rev	5.027
Torque convertor & Ratio	TC 415	2.35
Rear axle Ratio	6.428	

PERFORMANCE

Calculations based on 16.0 t GVM with 11R22.5 drive tyres	
Transmission	Automatic
Wheelbase variants	S, M, ML, L, XL & XXL
Engine RPM @ 100 km/h	2,200
Max theoretical speed (km/h)	122
Gradeability tan Θ (%) @ GVM	60
Speed limited to (km/h)	100

BRAKES

Type	Full Air, dual circuit, "S"cam
Drum & Lining sizes Diameter x Width	Front : 410 x 150mm
	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
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°	

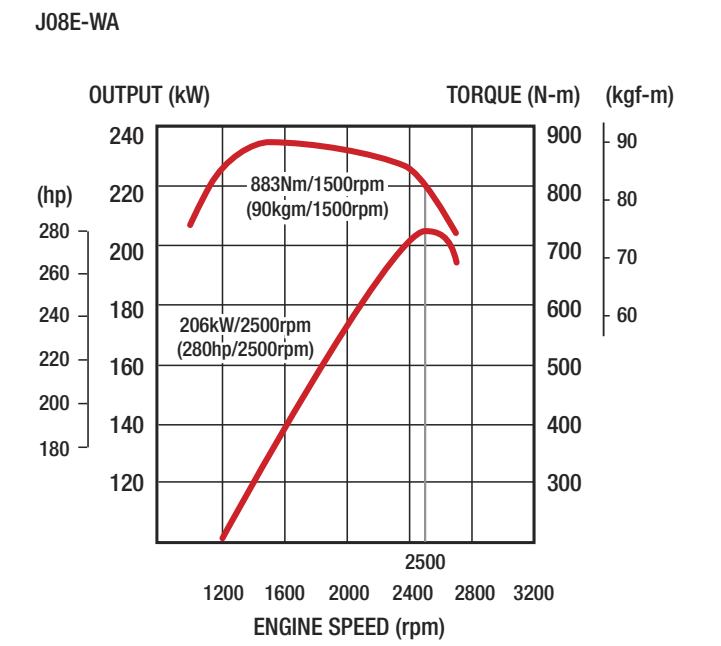
CAB DETAILS

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 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
Multi media system	10.1" UXGA capacity touch screen, wireless Apple CarPlay and Android auto compatible, AM/FM+RDS/DAB + radio, Bluetooth 5.0 phone and audio, input for up to 6 cameras, USB 2.0 and 3.0, 2.4 Ghz Wi-Fi enabled
Speakers	Driver & passenger
Foot rest	Equipped
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



INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Idle up Control
LCD Gauges	Quick warm up switch
Air pressure (2)	VSC/ASR off switch
Fuel	Headlight Levelling
AdBlue®	Fog Lamp
Engine Temperature	
Odometer plus trip meter	
Multi Information Display (MID)	
Fuel Consumption	
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) Depth x flange x Thickness)	275 x 80 x 7.0	277 x 80 x 8.0
Tensile strength	620 N/mm ² (63 kgf/mm ²)	
Front Underrun Protection (FUP)	Equipped	
Front and rear tow hook	Equipped	

GENUINE ACCESSORY OPTIONS

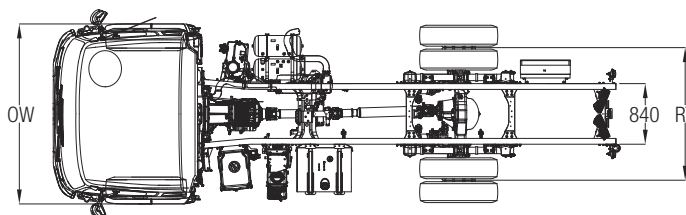
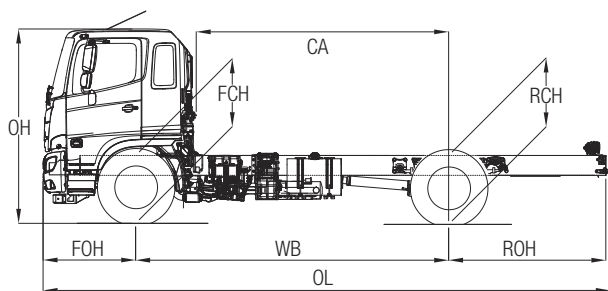
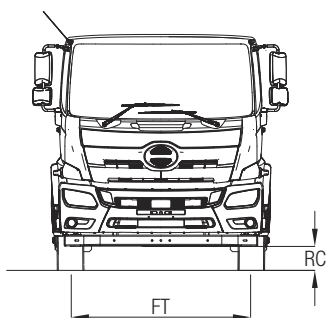
Bull bar	GPS Satellite Navigation
Stoneguard	Cameras (up to additional 5 extra)
Sunvisor	DVR
Seat covers	Engine driven PTO 1:0.72 step-down or 1:1.08 step-up
Floor mats	Lane change Assist Cameras
Dash mats	
Weather shields	

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

DIMENSIONS – MM/CAPACITIES

Model	FG 1628					
Wheelbase variant	SHORT	MEDIUM	MEDIUM LONG	LONG	X LONG	XX LONG
Transmission	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
Model Code	FG8JF1A WHU	FG8JJ1A WHU	FG8JM1A WHU	FG8JP1A WHU	FG8JS1A WHU	FG8JT1A WHU
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	13,200	15,000	17,400	18,600	20,600	21,400
Wall to Wall	14,800	16,600	19,000	20,200	22,200	23,000
Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance)						
Total	5,437	5,481	5,560	5,680	5,780	5,795
Front	3,456	3,505	3,543	3,593	3,603	3,633
Rear	1,981	1,976	2,017	2,087	2,177	2,162
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

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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