



500 SERIES

FG 1628 AT SPRING



*Overseas model pictured.
May contain items not standard to the NZ model.

Euro 5
Emission Levels

4 x 2 Cab Chassis

KEY FEATURES

- | | |
|--|-------------------------------|
| ✓ Vehicle Stability Control (VSC) *
– incl. ABS | ✓ SRS Airbag System (Driver) |
| ✓ Anti-Slip Regulator (ASR) * | ✓ Reverse Camera |
| ✓ ISRI 6860/870 Driver's Seat with
integrated safety belt | ✓ Cruise Control |
| ✓ ECE-R29 Cab Strength Certified | ✓ Polished Alcoa Alloy Wheels |

KEY SPECIFICATIONS

GVM	16,000 or 12,000kg
GCM	32,000kg
Power	280hp / 206kW
Torque	883Nm
Transmission	6 Speed Automatic
Wheelbase	3.7m, 4.3m, 5.5m

* VSC & ASR will be unavailable with trailer application.

ENGINE	
Model	HINO J08E-WA
Max. Output (ISO NET)	280hp / 206kW @ 2,500 RPM
Max. Torque (ISO NET)	883Nm @ 1,500 RPM
Max. Engine RPM	2,700 RPM
Engine Compliance	ADR 80/03 using Euro 5
Type	Diesel, turbocharged & intercooled, 6 cylinder inline, overhead camshaft, fluid cooled
Combustion System	Direct injection
Bore & Stroke	112 x 130mm
Piston Displacement	7.684L
Compression Ratio	18.0:1
Engine Oil Capacity	13.5L
Coolant Fluid Capacity	25L
Fuel Injection	Electronic control common rail
Air Compressor / Bore & Stroke	Single cylinder, fluid cooled, 85 x 40mm
Air Cleaner	Dual paper elements
Fan Clutch	Equipped
Exhaust	Horizontal
Emission Control System	SCR (AdBlue®)
Engine Immobiliser	Equipped

PERFORMANCE	
Calculations based on 16,000kg GVM with 11R22.5 tyres	
Engine RPM @ 100km/h	2,200
Max. Theoretical Speed (km/h)	122
Gradeability Tan (%) @ GVM	60
Speed Limiter to (km/h)	100

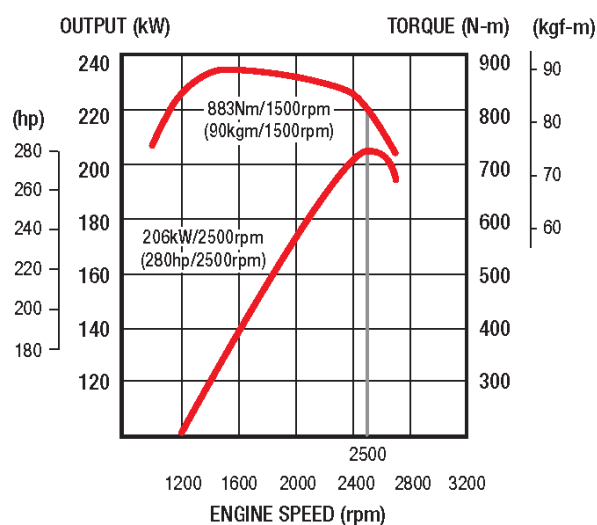
BRAKES		
Type	Full air, 'S' cam	
Control	Dual circuit	
Drum Diameter x Lining Width	Front	410 x 150mm
	Rear	410 x 220mm
Air Dryer	Equipped	
Auto Adjusters	Equipped	
Vehicle Stability Control (VSC)	Equipped *	
Anti-Lock Brake System (ABS)	Equipped	
Anti-Slip Regulator (ASR)	Equipped *	
Park Brake	Spring brake acting on rear wheels	
Exhaust Brake	Equipped	

FUEL TANK & SUPPLY	
Material	Steel
Fuel Capacity	200L
Lockable Fuel Cap	Equipped
Prefilter & Sedimentor	Equipped
AdBlue® Capacity	59L

* VSC & ASR will be unavailable with trailer application.

** Optional tyre sizes require approval.

POWER & TORQUE CHART (ISO NET) J08E-WA



TRANSMISSION & GEAR RATIOS

Make & Description	Allison 3000, 6 Speed with Electronic Control	
Type	Double Overdrive	
Gear Ratios	1	3.487
	2	1.864
	3	1.409
	4	1
	5	0.750
	6	0.653
	Reverse	5.027
Torque Converter & Ratio	TC415, 2.35	
Rear Axle Ratio	6.428	

WHEELS & TYRES

Model	FG8JF	FG8JJ	FG8JP
Wheel Type	10 stud disc wheel (ISO type) PCD 335		
Rim Size	8.25" x 22.5" / 165mm offset (alloy)		
	FR Option: 11.75" x 22.5"		
Tyre Size	Front	11R22.5	275/70R22.5
	Rear	11R22.5	275/70R22.5
	FR Option **: 385/55R22.5 or 385/65R22.5		
Number of Tyres	7 incl. spare		
Spare Tyre Carrier	Not equipped	Equipped	

CHASSIS FRAME

Model	FG8JF	FG8JJ	FG8JP
Main Section (depth x flange x thickness)	275 x 80 x 7mm		277 x 80 x 8mm
Chassis Width	840mm		
Tensile Strength	620 N/mm ² (63 kgf/mm ²)		
Tow Hook (Front & Rear)	Equipped		
Type	Ladder-shaped channel section side rails with grid hole design		

SAFETY FEATURES

Active Safety Features	
Vehicle Stability Control (VSC)	Equipped *
Anti-Lock Brake System (ABS)	Equipped
Anti-Slip Regulator (ASR)	Equipped *
Reverse Camera (RC)	Equipped
Reverse Buzzer	Equipped
Passive Safety Features	
SRS Airbag	Equipped (for driver)
Front Underrun Protection Device (FUPD)	Equipped
ECE-R29 Cab Strength Certified	Equipped

AXLE, SUSPENSION & LOAD LIMITS

AXLE, SUSPENSION & LOAD LIMITS				
Front	Front Axle Model	MF 78IR		
	Front Axle Type	I-Beam, Reverse Elliot		
	Front Suspension Type	Taper leaf springs with shock absorbers and 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 (kgf/mm ²)	27		
	Axle Limit (incl. Suspension)	6,500kg		
	Tyre Limit	6,900kg		
Rear	Rear Axle Model	SH16		
	Rear Axle Type	Fully floating, single reduction by hypoid gears		
	Rear Suspension Type	Semi-elliptic multi leaf		
	Suspension Dimensions	Main	Auxiliary	
	Length x Width x Thickness (mm)	1,400 x 90 x 12mm	1,400 x 90 x 13mm	900 x 90 x 10mm
	Number	4	6	10
	Spring Rate (kgf/mm ²)	53.6		101.1
	Axle Limit (incl. Suspension)	10,000kg		
	Tyre Limit	10,900kg		

ELECTRICAL

Type	24V negative earth
Batteries	2 x 12V 120Ah 115F51
Alternator Type	Brushless with built-in regulator
Alternator Capacity	24V x 90A
Starter Type	24V x 5.0kW
Headlamps	Halogen type with manual levelling
High/Low Beam	Equipped
LED Fog Lamps (White)	Equipped
Fluorescent Reading Lamp	Equipped
Electric Air Horn	Equipped

STEERING

Type	Telescopic tilt steering column, recirculating ball, integral power steering	
Steering Angles	Inside – 49°	Outside – 34°

CAB DETAILS

Type	Forward control, rest cab, all steel construction on full floating coil spring suspension with electro hydraulic tilt mechanism
Seating Capacity	3 (2 – no centre seat – for FG8JF)
Driver's SRS Airbag	Equipped
Driver's Seat	ISRI 6860/875 air suspension, multi-adjustable, high back with lumbar support and integrated safety belt
Side Passenger Seat	High back and reclining seat with air suspension
Centre Seat	Foldaway type with integrated tray
Seat Belts	3 point lap sash for driver and side passenger, 2 point lap for centre position
Sunvisor & Overhead Console	Equipped (for driver and side passenger)
Windscreen Wipers	2 arm wiper and washers, 2 speed with intermittent
Ventilator	Forced type by electric blower
Cab Heater & Air Conditioner	Equipped
Auxiliary Power Supply	12V x 120W socket
Rear-View Mirrors	External: Electric and heated, 2 flat type, 2 convex spotters and kerb view
Floor Covering	Vinyl type
Central Locking & Keyless Entry	Equipped
Cab Storage Pockets	Equipped in both side doors
Power Windows	Equipped
Foot Rest	Equipped
Cup Holders	Equipped
Multimedia System	6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AUX input, Bluetooth® 4.1, Android 6.0, CAN bus connected, and Wi-Fi enabled

INSTRUMENTATION

Meters & Gauges	Steering Wheel & Column Controls
✓ Speedometer	✓ Cruise Control
✓ Tachometer	✓ MID Controls
✓ Air Gauges	✓ Headlights & Indicators
LCD Display	✓ Window Wiper Controls
✓ Date, Day, & Time	Additional Switches & Controls
✓ Temperature Gauge	✓ External Flat Mirror Control
✓ Fuel Gauge	✓ VSC Off
✓ AdBlue® Gauge	✓ ASR Off
✓ Odometer & Trip Meter	✓ Idle Up
Multi Information Display (MID)	✓ Quick Warm Up
✓ General Information	✓ Mirror Heater
✓ Cruise Control	✓ Air Conditioner Controls
✓ Display Setting	✓ Electric Window Lock Out
✓ Warnings & Faults	✓ Headlight Leveller
✓ Fuel Consumption	✓ Hazard Lights
✓ Service Reminders	✓ Fog Lamps

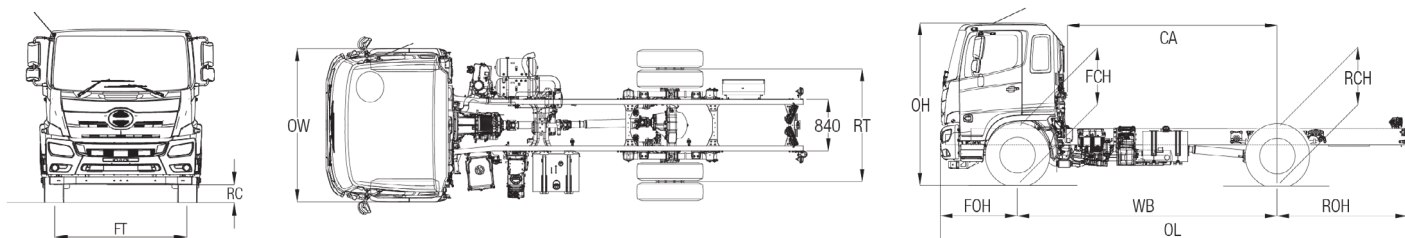
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HINO 500 SERIES - FG 1628 AT SPRING

DIMENSIONS (MM)

Model	FG8JF1A-WHU	FG8JJ1A-WHU	FG8JP1A-WHU
Product Code	FG 1628 AT SPRING SHORT	FG 1628 AT SPRING MEDIUM	FG 1628 AT SPRING LONG
Suspension	Leaf		
Wheelbase (WB)	3,730	4,330	5,530
Overall Length (OL)	7,095	7,895	9,445
Overall Width (OW)	2,490		
Overall Height (OH)	2,765	2,760	
Cab to Axle Centre (CA)	2,775	3,500	4,700
Front Overhang (FOH)	1,280		
Rear Overhang (ROH)	2,025	2,175	2,575
Front Chassis Height (FCH)	1,105	1,010	
Rear Chassis Height (RCH)	1,065		1,050
Front Track (FT)	2,050		
Rear Track (RT)	1,835		
Road Clearance (RC)	260		
Kerb to Kerb	13,200	15,000	18,600
Wall to Wall	14,800	16,600	20,200
Indicative Chassis Mass (kg) – with 10L of fuel, no tools or spare tyre, and subject to a ±3% tolerance			
Total	5,437	5,481	5,680
Front	3,456	3,505	3,593
Rear	1,981	1,976	2,087
GVM	16,000 or 12,000		
GCM	32,000		

CHASSIS DRAWINGS (PLEASE REFER TO DIMENSIONS TABLE ABOVE)



Drawings are for reference only to the table. For specific chassis layouts and dimensions, please refer to Body Mounting Manual drawings.

WARRANTY (PLEASE REFER TO HDL WARRANTY CONDITIONS)

Standard Warranty	Engine & Powerlines
24 months or 150,000kms (whichever comes first)	36 months or 200,000kms (whichever comes first)

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