



500 SERIES

FG 1628 MT 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 Manual
Wheelbase	4.3m, 5.5m

* VSC & ASR will be unavailable with trailer application.

HINO 500 SERIES - FG 1628 MT SPRING

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	21.5L
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	2,370
Max. Theoretical Speed (km/h)	155
Gradeability Tan (%) @ GVM	50.1
Speed Limiter to (km/h)	100

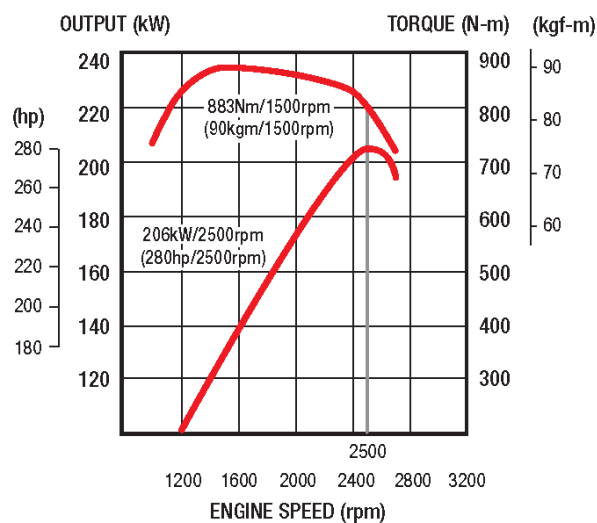
BRAKES

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	
Easy Start Hill Assist (ES)	Equipped	

FUEL TANK & SUPPLY

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

POWER & TORQUE CHART (ISO NET) J08E-WA



TRANSMISSION & GEAR RATIOS

Make & Description	Hino MX06, 6 Speed with cable control	
Type	Synchromesh Manual with Overdrive	
Gear Ratios	1	6.515
	2	4.224
	3	2.441
	4	1.473
	5	1
	6	0.702
	Reverse	6.991
Rear Axle Ratio	6.428	

WHEELS & TYRES

Model	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	275/70R22.5 or 11R22.5
	Rear	275/70R22.5 or 11R22.5
	FR Option **: 385/55R22.5 or 385/65R22.5	
Number of Tyres	7 incl. spare	
Spare Tyre Carrier	Not equipped	Equipped

CHASSIS FRAME

Model	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	

* VSC & ASR will be unavailable with trailer application.

** Optional tyre sizes require approval.

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
Easy Start Hill Assist (ES)	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

		Front		
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	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

CLUTCH

Model	CS-380
Type	Dry single plate with damper springs
Clutch plate	380mm Organic
Control	Hydraulic with Air Booster

CAB DETAILS

Type	Forward control, rest cab, all steel construction on full floating coil spring suspension with electro hydraulic tilt mechanism
Seating Capacity	3
Driver's SRS Airbag	Equipped
Driver's Seat	ISRI 6860/870 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, Window Wipers
LCD Display	Additional Switches & Controls
✓ Date, Day, & Time	✓ External Flat Mirror Control
✓ Temperature Gauge	✓ VSC & ASR Off
✓ Fuel Gauge	✓ Idle Up
✓ AdBlue® Gauge	✓ Quick Warm Up
✓ Odometer & Trip Meter	✓ Mirror Heater
Multi Information Display (MID)	✓ Air Conditioner Controls
✓ General Information	✓ Electric Window Lock Out
✓ Cruise Control	✓ Headlight Leveller
✓ Display Setting	✓ Hazard Lights
✓ Warnings & Faults	✓ Fog Lamps
✓ Fuel Consumption	✓ ES Start Control
✓ Service Reminders	✓ ECO Run

STEERING

Type	Telescopic tilt steering column with locking device, recirculating ball, internal power steering	
Steering Angles	Inside – 49°	Outside – 34°

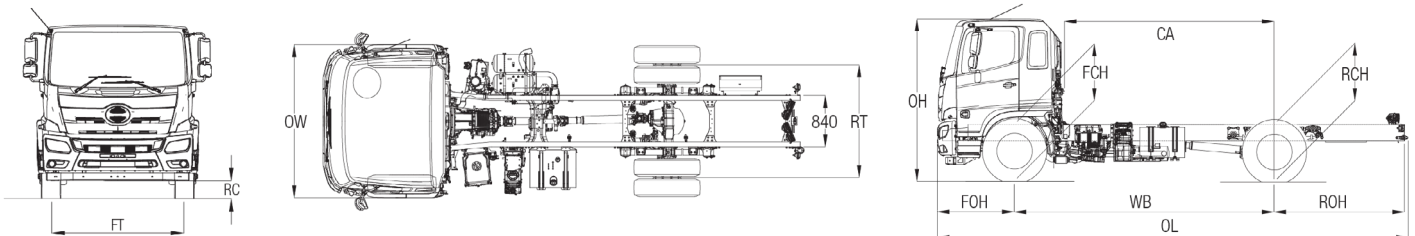
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DIMENSIONS (MM)

Model	FG8J1A-UHU	FG8JP1A-UHU
Product Code	FG 1628 MT SPRING MEDIUM	FG 1628 MT SPRING LONG
Suspension	Leaf	
Wheelbase (WB)	4,330	5,530
Overall Length (OL)	7,895	9,445
Overall Width (OW)	2,490	
Overall Height (OH)	2,760	
Cab to Axle Centre (CA)	3,500	4,700
Front Overhang (FOH)	1,280	
Rear Overhang (ROH)	2,175	2,575
Front Chassis Height (FCH)	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	15,000	18,600
Wall to Wall	16,600	20,200
Indicative Chassis Mass (kg) – with 10L of fuel, no tools or spare tyre, and subject to a $\pm 3\%$ tolerance		
Total	5,431	5,625
Front	3,465	3,548
Rear	1,966	2,077
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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