



500 SERIES

FG 1628 MT AIR LONG 9-SPD



*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	9 Speed Manual
Wheelbase	5.55m

* VSC & ASR will be unavailable with trailer application.

HINO 500 SERIES - FG 1628 MT AIR LONG 9-SPD

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	2,200
Max. Theoretical Speed (km/h)	112
Gradeability Tan (%) @ GVM	60.0

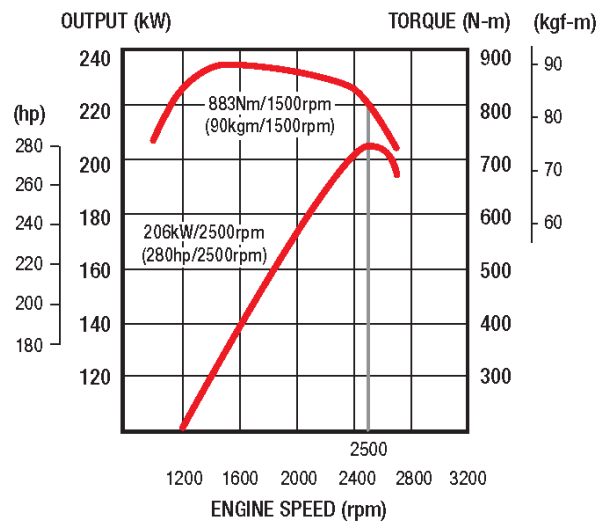
BRAKES

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 & Sedimenter	Equipped
AdBlue® Capacity	59L

POWER & TORQUE CHART (ISO NET) J08E-WA



TRANSMISSION & GEAR RATIOS

Make & Description	Eaton ES11109 Manual 9 Speed	
Type	Synchromesh Manual with Overdrive	
Gear Ratios	1	12.637
	2	8.806
	3	6.550
	4	4.768
	5	3.548
	6	2.481
	7	1.845
	8	1.343
	9	1
Reverse	13.210	
Rear Axle Ratio	4.300	

CLUTCH

Model	CSP-380
Type	Drysingle plate
Clutch Plate	380mm Organic
Control	Hydraulic with Air Booster

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 4.5kW
Headlamps	Halogen type with manual levelling
High/Low Beam	Equipped
Fog Lamps	White halogen type
Fluorescent Reading Lamp	Equipped
Electric Air Horn	Equipped

* VSC & ASR will be unavailable with trailer application.

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

AXLE, SUSPENSION & LOAD LIMITS		
Front	Front Axle Model	MF 78R
	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)	32.4
	Axle Limit (incl. Suspension)	6,500kg
	Tyre Limit	6,900kg
Rear	Rear Axle Model	SH17
	Differential Cross Lock	Equipped
	Rear Axle Type	Fully floating with differential cross lock, single reduction by hypoid gears
	Rear Suspension Type	Hendrickson HAS 230 with ECAS Height Control
	Axle Limit (incl. Suspension)	10,000kg
	Tyre Limit	10,900kg

WHEELS & TYRES

Wheel Type	10 stud disc wheel (ISO type) PCD 335
Rim Size	8.25" x 22.5" / 165mm offset (alloy)
Tyre Size	275/70R22.5
Number of Tyres	7 incl. spare
Spare Tyre Carrier	Equipped

CHASSIS FRAME

Main Section (depth x flange x thickness)	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

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 6860/875 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, 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, recirculating ball, integral power steering	
Steering Angles	Inside – 49°	Outside – 34°

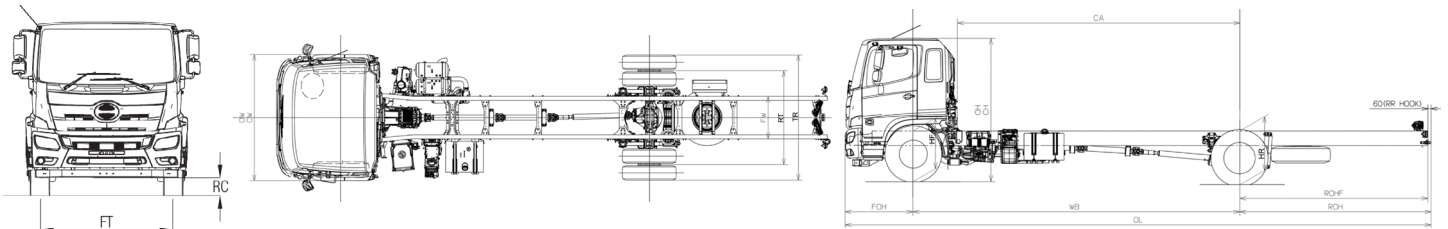
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DIMENSIONS (MM)

Model	FG8JP1G-XHN
Product Code	FG 1628 MT AIR LONG 9-SPD
Suspension	Air
Wheelbase (WB)	5,550
Overall Length (OL)	9,545
Overall Width (OW)	2,490
Overall Height (OH)	2,725
Cab to Axle Centre (CA)	4,720
Front Overhang (FOH)	1,280
Rear Overhang (ROH)	2,655
Front Chassis Height (FCH)	975
Rear Chassis Height (RCH)	985
Front Track (FT)	2,070
Rear Track (RT)	1,855
Road Clearance (RC)	250
Kerb to Kerb	9,400
Wall to Wall	10,200
Indicative Chassis Mass (kg) – with 10L of fuel, no tools or spare tyre, and subject to a $\pm 3\%$ tolerance	
Total	5,550
Front	3,400
Rear	2,150
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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