



* Illustration may contain items not standard to the model

Euro 5
4 x 2 Cab Chassis

KEY FEATURES

- Vehicle Stability Control (VSC) with ASR##
- Polished Aluminium Wheels
- Cruise Control
- 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

- GVM16,000 or 12,000kg
- GCM..... 32,000kg
- Power280hp/206kW
- Torque.....883Nm
- Transmissions.....Six-speed Synchromesh Manual
.....Six-speed Allison Automatic
- Nominal Wheelbases..... 3.7m, 4.3m, 5.5m
- Max. Nominal Body Length# 5.3m, 6.4m, 8.4m

VSC & ACR will not be available for all application types including but not limited to trailer and 8 x 4.





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)
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, L	M, L
Engine RPM @ 100 km/h	2,200	2,370
Max theoretical speed (km/h)	122	155
Gradeability tan θ (%) @ GVM	60	50.1
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 x Number Length x Width x Thickness	1,525 x 80 x 19mm x 1 1,525 x 80 x 20.5mm x 3	
	Spring Rate	32.4 kgf/mm	
REAR	Axle Limit (including suspension)	6,500 kg	
	Rear Axle Model	SH16	
	Type	Fully floating, single reduction, hypoid	
	Suspension	Semi-elliptical Multi Leaf	
	Spring Dimensions x Number Length x Width x Thickness	Main	1,400 x 90 x 12 x 4
Spring Rate		53.6 kgf/mm	101.1 kgf/mm
Axle Limit (including suspension)	10,000 kg		

WHEELS & TYRES

Material	Polished Aluminium	
Wheel type	10-stud disc (ISO) 335 PCD	
Rim size (in)	8.25 x 22.5 – 165mm offset	
	FR Option 11.75 x 22.5	
Tyre size**	Short	Medium & Long
	Front: 11R22.5	Front: 275/70R22.5
	Rear: 11R22.5	Rear: 275/70R22.5
	FR Option: 385/55R22.5 or 385/65R22.5	
Number of tyres	7	
Spare Tyre Carrier	Equipped (Except for Short and Medium)	

FUEL TANK

Wheelbases	Short, Medium & Long
Material	Steel
Capacity	200L
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°

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** Optional tyre sizes require approval.



FG 1628

Cab, Instrumentation & Chassis

CAB DETAILS

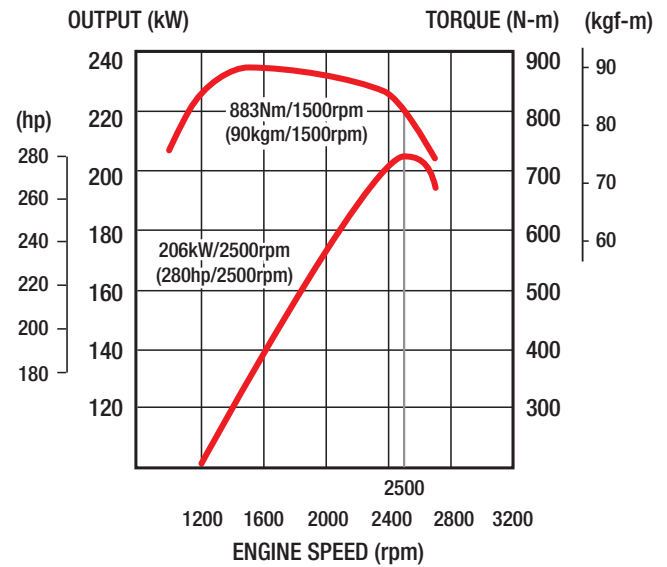
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three (two for FG8JF1A-WHU)
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar 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
Audio/visual display	DAB+ AM/FM radio with CD & DVD player, Bluetooth and Reverse Camera Display
Speakers	Driver & passenger
Foot rest	Equipped
Easy Start	Manual Models only
Cup holders	Equipped
Cruise control	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	Idle up Control
LCD Gauges	Easy Start Rate Control (Manual Models only)
Air pressure (2)	Quick warm up switch
Fuel	VSC/ASR off switch
AdBlue®	Eco Run (Manual models only)
Engine Temperature	Headlight Levelling
Odometer plus trip meter	Fog Lamp
Multi Information Display (MID)	
Fuel Consumption	
Service reminders	
Warnings	
Faults	

CHASSIS FRAME

Wheelbase variants	S & M	L
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 and rear tow hook	Equipped	

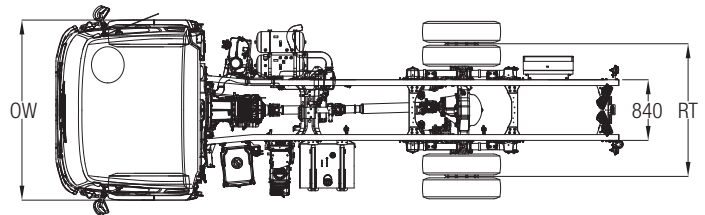
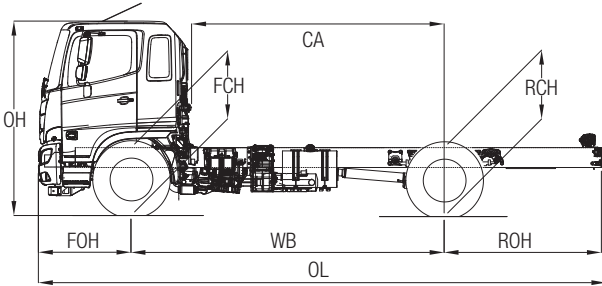
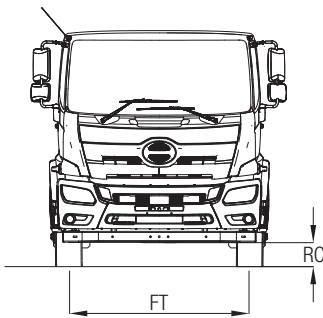


FG 1628



Dimensions

DIMENSIONS - mm/capacities



Model	FG 1628				
	Short	Medium		Long	
Wheelbase Variant	Short	Medium		Long	
Transmission	Auto	Auto	Manual	Auto	Manual
Model Code	FG8JF1A-WHU	FG8JJ1A-WHU	FG8JJ1A-UHU	FG8JP1A-WHU	FG8JP1A-UHU
Wheelbase (WB)	3,730	4,330		5,530	
Max Nominal Body Length (WB x 0.7 (up to 4.0m) + CA - 80)	5,306	6,541		8,491	
Overall Length (OL)	7,095	7,845		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 (10 litres of fuel & spare tyre, and subject to ±3% tolerance)					
Total	5,437	5,481	5,431	5,680	5,625
Front	3,456	3,505	3,465	3,593	3,548
Rear	1,981	1,976	1,966	2,087	2,077
GVM	16,000 or 12,000				
GCM	32,000				

WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
500 FG 1628	4 x 2	24 months or 150,000km	36 months or 200,000km

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