

HINO

500 Series

FM 2628



* Illustration may contain items not standard to the model

ADR 80/03 Model
6 x 4 Cab Chassis

KEY FEATURES

- Vehicle Stability Control (VSC) with ASR
- Polished Aluminium Wheels
- Cruise Control
- Hino Stop Start System (HSSS) (Manual models only)
- Reverse Camera
- Easy Start (ES) Take off assist (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
- Differential Cross Locks

KEY SPECIFICATIONS

GVM.	26,000kg
GCM.	.33,000kg Automatic models .38,000kg Manual models
Power.	.280hp/206kW
Torque.	.883Nm
Transmissions	.Nine-speed Synchromesh Manual .Six-speed Allison Automatic
Nominal Wheelbases.	.4.2m, 5.3m, 6.5m
Max. Nominal Body Length#	.5.8m, 7.5m, 9.3m

A Toyota Group Company

 **HINO**
A BETTER CLASS OF TRUCK



FM 2628

Engine & Driveline Specifications

ENGINE

Model	J08E-WA
Max. Output (ISO Net)	280hp/206kW @ 2,500 RPM
Max. Torque (ISO Net)	883Nm/90kgfm @ 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 60mm (except XXL Leaf)
	85 x 40mm (XXL Leaf)
Fan Clutch	Equipped
Exhaust	Horizontal
Emission Control System	Selective Catalytic Reduction (SCR)
Hino Stop Start System (HSSS)	Manual models only
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 3500 series 6 speed with Electronic Control		Eaton ES11109 9 speed with Cable Control	
Type	Double Overdrive		Direct Drive	
Gear Ratios	1	4.593	1	12.637
	2	2.257	2	8.806
	3	1.535	3	6.550
	4	1.000	4	4.768
	5	0.749	5	3.548
	6	0.651	6	2.481
			7	1.845
			8	1.343
			9	1.000
	Rev	4.999	Rev	13.210
Torque convertor & Ratio	TC 415	2.35		

PERFORMANCE

Calculations based on 26.0 t GVM with 11R22.5 drive tyres			
Transmission	Automatic		Manual
Wheelbase variants	Medium	L & XXL	Medium, Long & XXL
Rear Axle Ratio	6.142	6.428	4.625
Engine RPM @ 100 km/h	2,100	2,200	2,440
Max theoretical speed (km/h)	128	122	112
Gradeability tan θ (%) @ GVM	44.9	47.5	38.2
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 FA & FR axles
Exhaust Brake	Equipped

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	MF 781R	
	Type	I-Beam, Reverse Elliot	
	Suspension	Taper leaf springs with shock absorbers	
	Spring Dimensions		
	Length x Width x Thickness	1,700 x 90 x 28.8 mm x 1	
	x Number	1,700 x 70 x 30.3 mm x 1	
	Spring Rate	32.8 kgf/mm	
	Axle Limit	6,500 kg	
	(including suspension)		
	Tyre Limit	6,900 kg	
REAR	Rear Axle Model	THD17 & SH17	
	Differential Cross Lock	Equipped FR & RR	
	Inter-axle Differential Lock	Equipped	
	Type	Fully floating, single reduction, hypoid	
	Rear suspension types	Hino 6 Rod Leaf	Hendrickson Air
	Suspension	Semi-elliptic Multi Leaf	
		Medium	Long & XXLong
	Spring Dimensions	1,350 x 90 x 20 x 6	HAS 460 airbag with double acting shock absorbers and ECAS remote height control system
	Length x Width x Thickness	1,350 x 90 x 18 x 3	
	x Number		
	Spring Rate	293.4 kgf/mm	234.0 kgf/mm
	Axle Limit	20,000 kg	
	(including suspension)		
	Tyre Limit	21,800 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	11
Spare Tyre Carrier	Equipped (except Medium Wheel Base)

FUEL TANK

Wheelbases	Medium	Long & XXLong
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°



FM 2628

Cab, Instrumentation & Chassis

CAB DETAILS

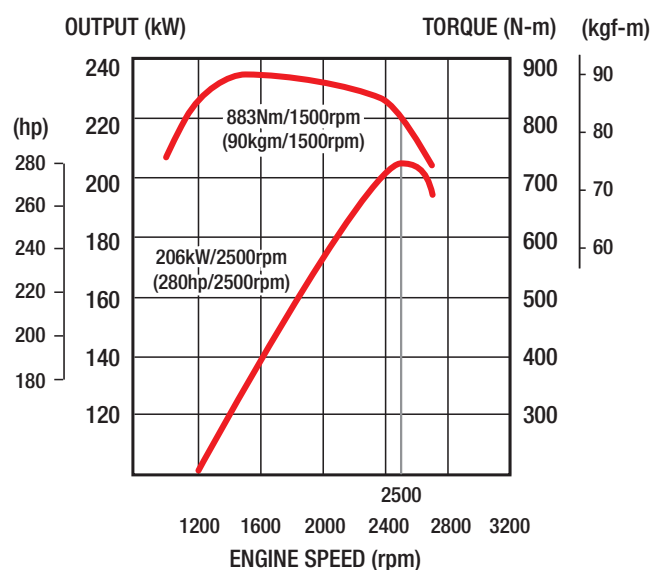
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, 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
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
Multi media system	6.5" LCD, HD touch screen display with DAB+ AM/FM radio, AAUX input, Bluetooth® 4.a, Android 6.0 CANBUS connection and Wi-Fi enabled
Speakers	Driver & passenger
Foot rest	Equipped
Easy Start	Manual Models only
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

J08E-WA



INSTRUMENTS

Meters	Additional Switches & Controls
Speedometer	External flat mirror Control
Tachometer	Easy Start Rate Control (Manual models only)
LCD Gauges	Idle up Control
Air pressure (2)	Quick warm up switch
Fuel	VSC/ASR off switch
AdBlue®	Hino Stop Start System off switch (Manual models only)
Engine Temperature	Eco Run (Manual models only)
Odometer plus trip meter	Headlight Levelling
Multi Information Display (MID)	Fog Lamp
Fuel Consumption	ECAS remote (air bag models)
Service reminders	Inter-axle & Differential Cross Locks
Warnings	
Faults	

CHASSIS FRAME

Wheelbase variants	Medium & Long	XXLong
Type	Ladder-shaped channel section side rails with Grid hole design	
Chassis outer width (at rear)	840mm	
Main section (mm)	298 x 80 x 7.0	300 x 80 x 8.0
Depth x flange x Thickness)		
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	External Vision Cameras (additional 3)
Sunvisor	LED Driving Lights
Seat covers	Hino Traq (Telematics)
Floor mats	Engine driven PTO
Dash mats	1:0.72 step-down
Weather shields	or 1:1.08 step-up

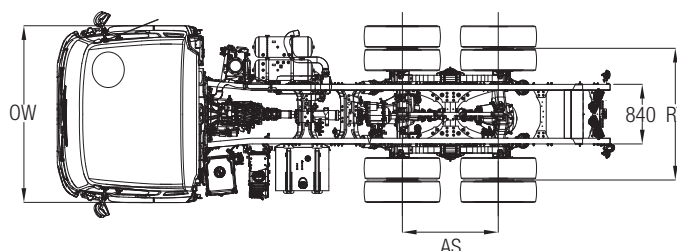
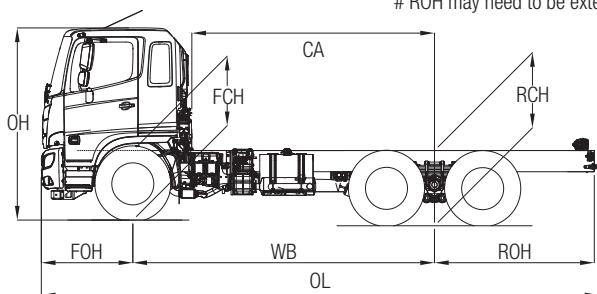
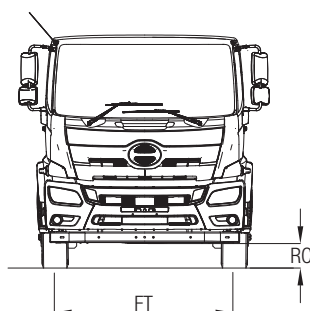
Please check with your dealer for price, availability & fitment for these options



FM 2628

500 Series

Dimensions



DIMENSIONS – MM/CAPACITIES

Model	FM 2628									
Wheelbase variant	MEDIUM			LONG			XX LONG			
Transmission	MANUAL	AUTO	AUTO	MANUAL	AUTO		MANUAL	AUTO		MANUAL
Rear Suspension	LEAF		AIR	LEAF		AIR	LEAF		AIR	
Model Code	FM8JL1M -XHU	FM8JL1M -WHU	FM8JL1U -WHU	FM8JR1A -XHU	FM8JR1A -WHU	FM8JR1G -WHU	FM8JW1A -XHU	FM8JW1A -WHU	FM8JW1G -WHU	FM8JW1G -XHU
Wheelbase (WB)	4,255		4,260	5,305		5,310	6,505	6,505	6,510	
Axle Spread (AS)	1,350		1,330	1,350		1,330	1,350		1,330	
Max Nominal Body length # (WB x 0.6 (up to 3.7)) + CA – 80)	5,898	5,773	5,781	7,530	7,578	7,586	9,295		9,300	
Overall Length (OL)	7,845			9,295			11,245			
Overall Width (OW)	2,490									
Overall Height (OH)	2,760	2,755		2,750		2,755		2,750		2,755
Cab to Rear Axle Centre (CA)	3,425	3,300	3,305	4,475		4,480		5,675		5,680
Front Overhang (FOH)	1,280									
Rear Overhang (ROH)	2,250		2,245	2,650		2,645	3,400		3,395	
Front Chassis Height (FCH)	1,035	1,030		1,025		1,030		1,025		1,030
Rear Chassis Height (RCH)	1,070		1,045	1,070		1,045		1,070		1,045
Road Clearance (RC)	250									
Front Track (FT)	2,050									
Rear Track (RT)	1,855		1,840	1,855		1,840	1,855		1,840	
Turning Circle Kerb to Kerb	15,600		15,800	19,000			22,600			
Wall to Wall	17,200		17,400	20,600			24,200			
Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance)										
Total	7,017	7,202	6,754	7,088	7,273	6,883	7,283	7,473	7,088	6,903
Front	3,344	3,504	3,490	3,368	3,528	3,524	3,437	3,607	3,613	3,443
Rear	3,673	3,698	3,264	3,720	3,745	3,359	3,846	3,866	3,475	3,460
GVM	26,000									
GCM	38,000	33,000		38,000	33,000		38,000	33,000		38,000

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 FM 2628	6 x 4	3 years or 200,000km	36 months

Battery warranty – 12 months from date of delivery

* For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *



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