



500
S E R I E S

FM 2632 Auto FM 2635 Manual



* Illustration may contain items not standard to the model

Euro 5
6 x 4 Cab Chassis

KEY FEATURES

Vehicle Stability Control (VSC) with ASR # #
Polished Aluminium Wheels
Cruise Control
Engine Retarder Brake
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
ECAS Rear suspension variants
Differential Cross Locks

KEY SPECIFICATIONS

Models	FM 2632	FM 2635
GVM	26,000kg	26,000kg
GCM	36,500kg	45,000kg
Power	320hp/235kW	350hp/257kW
Torque	1,275Nm	1,422Nm
Transmissions	Six-speed Allison Automatic	
	Nine-speed Synchromesh Manual	
	Eleven-speed Constant Manual	
Nominal Wheelbases	4.1m, 5.2m, 6.4m	
Max. nominal Body Length #	6.1m, 8.0m, 10.1m	

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





FM 2632

FM 2635

Engine & Driveline Specifications

ENGINE

Model	FM 2632	FM 2635
Engine Model	A09C-US	A09C-UR
Max . Output (ISO Net) @ 1,800 RPM	320hp/235kW	350hp/257kW
Max . Torque (ISO Net) @ 1,100 RPM	1,275Nm	1,422Nm
Max . Engine Speed	2,100 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 150mm	
Piston Displacement	8 .866L	
Compression Ratio	17 .0:1	
Engine Oil Capacity	31 .5L	
Coolant Fluid Capacity	Auto: 29 .6L Manual: 29 .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	
Fan Clutch	Equipped	
Exhaust	Horizontal	
Emission Control System	Selective Catalytic Reduction (SCR)	
Engine Immobilizer	Equipped	

CLUTCH (Manual Models only)

Model	CSP-430
Type	Dry single plate with damper springs
Facing material	Organic
Facing outside diameter	430mm
Control	Hydraulic with air booster

TRANSMISSION & GEAR RATIOS

Make & Description	Automatic		Manual			
	Allison 3200 series 6 speed with Electronic Controls		HinoMO09OD9 speed with Cable		Eaton RTO 11909ALL	
Type	Double Overdrive		Overdrive			
Gear Ratios	1	3.487			LL1	26.078
	2	1.864			LO	16.298
	3	1.409	1	10.178	LL2	11.853
	4	1.000	2	6.986	1	7.408
	5	0.750	3	5.063	2	5.234
	6	0.653	4	3.636	3	3.794
	Rev	5.027	5	2.633	4	2.770
			6	1.921	5	1.952
			7	1.392	6	1.379
			8	1.000	7	1.000
			9	0.724	8	0.730
			Rev	9.874	Rev	20.848
Torque Converter & Ratio	TC 421	1.77			Rev	13.030
					Rev	20.848

PERFORMANCE

Calculations based on 26 .0 t GVM with 11R22 .5 drive tyres			
Transmission	Automatic	Manual	
Wheelbase variants	M, L & XXL	L & XXL	M
Rear Axle Ratio	5 .857	4 .875	5 .250
Engine RPM @ 100 km/h	2,010	1,850	2,000
Max theoretical speed (km/h)	104	114	106
Gradeability tar(%) @ GVM	33 .8	60	60
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
Engine Retarder 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 Length x Width x Thickness x Number	1,700 x 90 x 28 .8mm x 1 1,700 x 70 x 30 .3mm x 1	
	Spring Rate	32 .8 kgf/mm	
	Axle Limit (including suspension)	7,500 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 & XXL Long	HAS 400 airbag with double acting shock absorbers and ECAS remote height control system
	Spring Dimensions Length x Width x Thickness x Number	1,350 x 90 x 20 x 10	1,350 x 90 x 20 x 6 1,350 x 90 x 18 x 3
	Spring Rate	293 .4 kgf/mm	234 .0 kgf/mm
	Axle Limit (including suspension)	20,000 kg	

WHEELS & TYRES

Material	Polished Aluminium	
Wheel type	10-stud disc (ISO) 335 PCD	
Rim size (in)	8.25 x 22.5	
	Option: 11.75 x 22.5 Fr	
Tyre size**	Air	Spring
	Front: 275/70R22.5	Front: 11R22.5
	Rear: 275/70R22.5	Rear: 11R22.5
	Opt: FR 385/55R22.5	Opt: FR 385/56R22.5
Number of tyres	10	

FUEL TANK

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.



FM 2632

FM 2635

Cab, Instrumentation & Chassis

CAB DETAILS

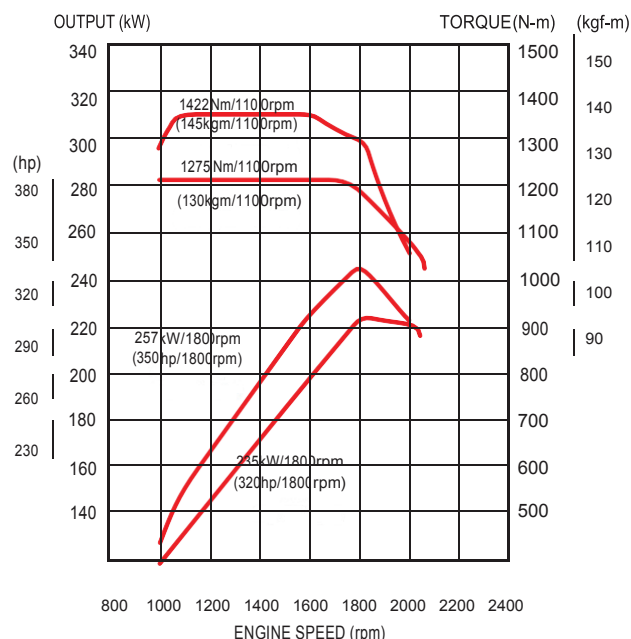
Type	Forward control, all-steel construction mounted on full floating coil spring suspension with electro hydraulic tilt mechanism
ECE R-29 Cab strength	Compliant
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, 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
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, 6.0 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) A09CUS & A09CUR

A09C-US/A09C-UR



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®	Eco Run (Manual models only)
Engine Temperature	Headlight Levelling
Odometer plus trip meter	Fog Lamp
Multi Information Display (MID)	ECAS remote (air bag models)
Fuel Consumption	Inter-axle & Differential Cross Locks
Service reminders	Engine Retarder Brake
Warnings	
Faults	

CHASSIS FRAME

Wheelbase variants	M & L	XXL
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 and rear tow hook	Equipped	



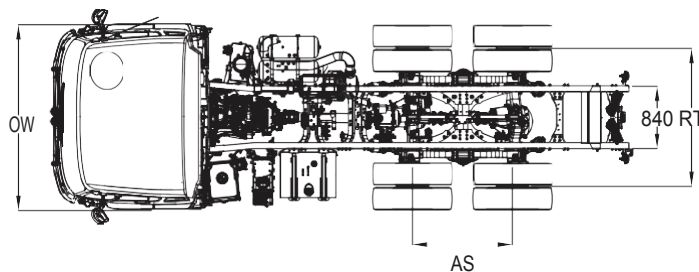
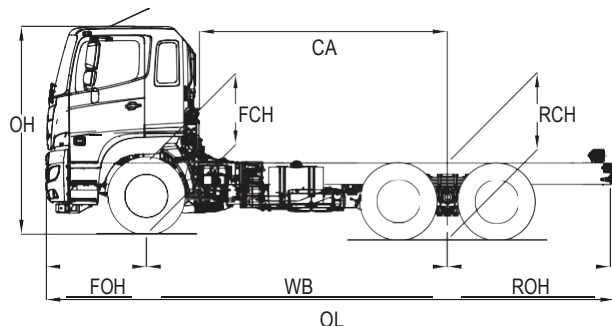
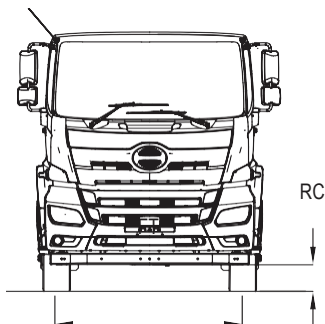
FM 2632 FM 2635

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S E R I E S

Dimensions

DIMENSIONS – mm/capacities



Model	FM 2632			FM 2635			
Wheelbase variant	MEDIUM	LONG	XXLONG	MEDIUM	XXLONG	LONG	XXLONG
Transmission	AUTO			9SP MANUAL		11SP MANUAL	
Suspension	LEAF	AIR		LEAF	AIR	LEAF	LEAF
Model Code	FM1AL1M -RHU	FM1AR1G -RHU	FM1AW1G -RHU	FM1AL1M -SHU	FM1AW1G -SHU	FM1AR1A -SHN	FM1AW1A -SHN
Wheelbase (WB)	4,155	5,210	6,410	4,155	6,410	5,205	6,405
Axles Spread (AS)	1,350	1,3330	1,330	1,350	1,330	1,350	1,350
Max Nominal Body length # ((WB x 0.7 (up to 4.0) + CA-80)	6,128	8,047	9,600	6,253	9,600	8,038	9,595
Overall Length (OL)	7,845	9,295	11,245	7,845	11,245	9,295	11,245
Overall Width (OW)				2,490			
Overall Height (OH)	2,905	2,900	2,900	2,905	2,895	2,900	2,895
Cab to Rear Axle Centre (CA)	3,300	4,480	5,680	3,425	5,680	4,475	5,675
Front Overhang (FOH)				1,380			
Rear Overhang (ROH)	2,250	2,645	3,395	2,250	3,395	2,650	3,400
Front Chassis Height (FCH)	1,025	1,020	1,020	1,025	1,015	1,020	1,015
Rear Chassis Height (RCH)	1,070	1,045	1,045	1,075	1,045	1,070	1,070
Road Clearance (RC)				250			
Front Track (FT)				2,050			
Rear Track (RT)	1,855	1,840	1,840	1,855	1,840	1,855	1,855
Turning Circle Kerb to Kerb	15,400	18,600	22,400	15,400	22,400	18,600	22,400
Wall to Wall	17,000	20,200	24,000	17,000	24,000	20,200	24,000
Indicative Chassis Mass – kg (10 litres of fuel & spare tyre and subject to ± 3% Tolerance)							
Total	7,496	7,182	7,392	7,536	7,487	7,667	7,867
Front	3,798	3,828	3,917	3,818	3,997	3,902	3,991
Rear	3,698	3,354	3,475	3,718	3,490	3,765	3,876
GVM				26,000kg			
GCM	36,500kg			45,000kg			

#Dimensions for vehicle fitted with 11R22.5 tyres

WARRANTY

New vehicle warranty period

Medium Duty Model	Axle configuration	Standard warranty (whichever comes first)	Engine & Powerlines (whichever comes first)
500 FM 2632/2635	6 x 4	24 months or 150,000km	36 months or 200,000km

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