ROSA BUS school model · Auto

EURO 6 + EMISSION LEVEL **Power/Torque: Body Length: Passengers:** 129kW/430Nm 24 **7.7**m Best-selling bus in its class Euro 6 Advanced safety systems Passenger car licence model



SPECIFICATIONS - ROSA SCHOOL BUS

BE741JRMBFAB

MODEL

School Bus 25 Seat Duonic Auto

LENGTH (m) 7.7

CONFIGURATION

Low Back Vinyl Bench Seats

Engine Version	FUSO 4P10-T6 Diesel
Configuration	4 Cyl. In-line DOHC, 4-Valve
Туре	Variable Geometry Turbo Charged Air to Air Intercooled
Displacement	3.0 litre (2,998cc)
Power (DIN)	129kW @ 2,860~3,500 грт
Torque (DIN)	430Nm @ 1,600~2,860 rpm
Maximum Engine Speed (rpm)	4,100
Compression Ratio	17.5:1
Cooling System / Oil Cooler	Water cooled with vicous fan, 14.0L capacity Plate type engine oil cooler
Air Cleaner	Dry Paper Element with restrictor indicator. Forward Mounted Intake System
Emission Control	Diesel Particulate Filter (DPF) Exhaust Dash Display DPF Status 0~9 (Empty~Full Parked Regeneration possible from 7~9 Selective Catalytic Reduction (SCR) after-treatment system (BlueTec)
Emission Level	Euro 6 (ADR 80/03)

FUEL	
Injection System	Bosch Common Rail Direct Injection
Tank Type	Rectangular Steel Tank with Locking Cap
Fuel Capacity (L)	100
Filtration	Filter with Water Separator
AdBlue Exhaust Fluid Capacity (L)	12
Speed Limiter	100km/hr

ELECTRICAL

Voltage	12V / 24V with Battery Equalizer
Alternator Capacity	24V-90 amp
Battery Capacity	2x12V, 70Ah/5hr with Battery Equalizer
Headlamps	LED

TRANSMISSION

Version	FUSO DUONIC MO38S6
Type / Speeds	6 Speed Automated Manual with dual clutch (Wet multi plate)
Features	Virtually Instant Gear Changes In-Dash Gear Lever with Park Brake Positior and Manual Mode
Ratios	1st: 5.397 2nd: 3.788 3rd: 2.310 4th: 1.474 5th: 1.000 6th: 0.701 Rev. 5.397
Park Interlock	Ignition Key (On) and Foot Brake Activated

FRONT SUSPENSION

Туре

Independent Double Wishbone with Coil springs, Stabiliser Bar and Shock Absorbers Modesty Panel

REAR AXLE	
Туре	Full Floating Hypoid
Capacity (kg)	3,800
Ratio	5.285:1
REAR SUSPEN	ISION
Spring suspension	Long Taper Leaf with Stabiliser Bar and Shock Absorbers
STEERING	
Туре	Power steering with tilt / telescopic adjustable
	steering wheel
BRAKES	
Туре	Hydraulic dual circuit with Front & Rear Twin
1720	Caliper Ventilated Disc brakes
Features	ABS plus EBD (Electronic Brake Distribution) Active Emergency Braking System (AEBS) Electronic Stability Program (ESP) Brake Priority System
Park Brake	On rear of transmission
Auxiliary	Exhaust brake
WHEELS AND	TYPES
Single front, Dual rear	Silver steel wheels
Tyres	205/85R16
Spare Tyre	Provided
	Provided
Spare Tyre CHASSIS Type	Provided Parallel Tapered Channel with Cross Members
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CHASSIS Type INSTRUMENT	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level;
CHASSIS Type INSTRUMENT Gauges	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door
CHASSIS Type INSTRUMENT Gauges Warning Lamps	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen Side Windows	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band Bonded with heat absorbing dark grey glass Rising White (W48) with Colour Code Bumpers Other colours available to special order,
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen Side Windows Body Colour Towing Hook	Parallel Tapered Channel with Cross Members S S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band Bonded with heat absorbing dark grey glass Rising White (W48) with Colour Code Bumpers Other colours available to special order, Black Side Window Sash
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen Side Windows Body Colour Towing Hook INTERIOR	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; DFF Regeneration; DFF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band Bonded with heat absorbing dark grey glass Rising White (W48) with Colour Code Bumpers Other colours available to special order, Black Side Window Sash Front
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen Side Windows Body Colour Towing Hook INTERIOR Lighting	Parallel Tapered Channel with Cross Members S S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; Battery Charging; Vacuum Pressure; DPF Regeneration; DPF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band Bonded with heat absorbing dark grey glass Rising White (W48) with Colour Code Bumpers Other colours available to special order, Black Side Window Sash Front Access Step Light & LED Interior Lights
CHASSIS Type INSTRUMENT Gauges Warning Lamps EXTERIOR Windscreen Side Windows Body Colour Towing Hook INTERIOR	Parallel Tapered Channel with Cross Members S Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature EBS; LDWS; ESP; ESP Off; Turn Signal; Headlamps; High Beam; Hill Holder; Auxiliary Brake; Parking Brake; Oil Pressure; DFF Regeneration; DFF Fill Level; Adblue Fill Level Passenger door open; Rear Emergency Door Open Laminated Tinted with Darker Upper Band Bonded with heat absorbing dark grey glass Rising White (W48) with Colour Code Bumpers Other colours available to special order, Black Side Window Sash Front

LH front passenger seat

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MULTI MEDIA PACKAGE

7" Multi Media Touch screen Display: AM/FM/DAB + USB + AUX, Apple Carplay / Android Auto, Wi-Fi enabled for Internet Radio, Bluetooth, 32GB Storage Capacity; Auxiliary input for PA system, HD Reverse Camera included[†]. 4 speakers.

DRIVER COMFORT AND FEATURES

Driver's Seat	Low Back cloth covered with head rest and slide adjustment; Adjustable Height & Back Angle
Visibility Mirrors	LH & RH External Rear View Additional Front Left Clearance Rear Mounted Reversing on rear door Internal Rear Vision
General	Driver's Power Window; Cup Holders; Sun Visors for Driver. Front Passenger on School; Central Locking; Accessory Power Outlet 12v

AIR CONDITIONING (SEPARATE UNIT)

Control	Manual a/con
Capacity	12.4 kw (JIS)
Distribution	Integrated Roof Ducts located throughout Cab
Heaters	Forward Cabin plus Passenger Units throughout Cab
Additional ventilation	Fresh Air Duct on Roof at Rear of Cab

PASSENGER ACCESS AND SEATING

Seating capacity	24 passenger and driver		
Passenger Door	Bi-fold vacuum automatic with warning buzzer and dash interlock		
Passenger Seats	Fixed Low Back, LH single, RH Bench, Blue Vinyl trim		
Grip Handles	On Rear Seat (Except above Wheel Arch)		

PERFORMANCE

Turning Circle (kerb to kerb - metres)	14.2
Road Speed (km/h) at Max Engine Speed	100km/hr Speed Limiter

DIMENSIONS

Wheelbase	4,550
Overall Length	7,730
Overall Width	2,070
Overall Height	2,755
Front / Rear Track	1,655 / 1,495
Body Inside	Length: 7,030 Width: 1,845 Height: 1,860

KERB WEIGHTS AND MAX AXLE LOADS (kg)

SAFETY FEATURES

ACTIVE SAFETY FEATURES	
Active Emergency Braking System	Yes
Lane Departure Warning System	Yes
Electronic Stability Control	Yes
Anti-Lock Braking System	Yes
Anti-Slip Regulator	Yes
Hill Start Assist	Yes
Headlamps	LED Height-Adjust
LED Fog Lamps	LED
Reverse Warning	Buzzer
Passenger Access Door	Accelerator Interlock and Pre-Warning Buzzer when door open

PASSIVE SAFETY FEATURES Airbags Driver and Front Passenger Seat Belts Driver and front passenger 3 Point ELR, Passenger seats 2 point ELR **Emergency Exits** 4 Exits: 1 LH and 2 RH Windows with Emergency Hammers and Rear Emergency Door **Emergency External Opening** Front passenger door Rear Door Internal & External Access Rear Door Locking Automatic when Ignition Key is Off

OPTIONS

Additional Multimedia Display cameras (up to 4); In built GPS navigation; Reversing Sensors; Tyre Pressure Monitoring System

SERVICE INTERVALS

30,000km full service / 15,000km safety inspection
30,000km full service intervals, depending on application/use.
15,000km safety inspection, with greasing, required to maintain warranty cover and ensure optimum performance.

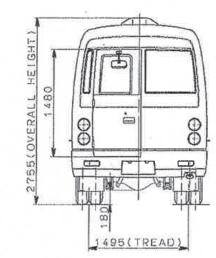
WARRANTY

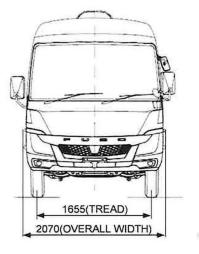
5 years / 200,000km Simply have your vehicle serviced at an authorised FUSO Service Centre, at the recommended servicing intervals, and you are covered by an additional 2 year / 100,000km FUSO warranty on top of the first 3 years / 100,000km. That's a total of 5 years / 200,000km cover. Refer to terms and conditions in the FUSO warranty booklet for full details

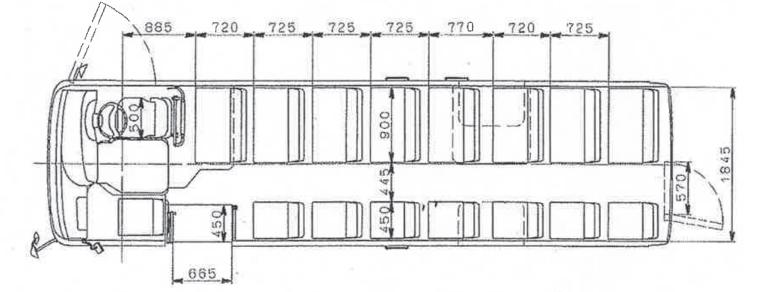
Model		Vehicle Ratings**			Axle lings**	Kerb Weights*
		Towing Cap Unbraked	pacity (kg) Braked	Front	Rear	
School Bus 25 Seat Duonic Auto BE741JRMBFAB	6,285	715	1615	2,500	3,800	3,900
ichool Bus Duonic Auto restricted seating capacity with 5995kg GVM) BE741JRMBFAB(D)	5,995	715	1615	2,500	3,800	3,900

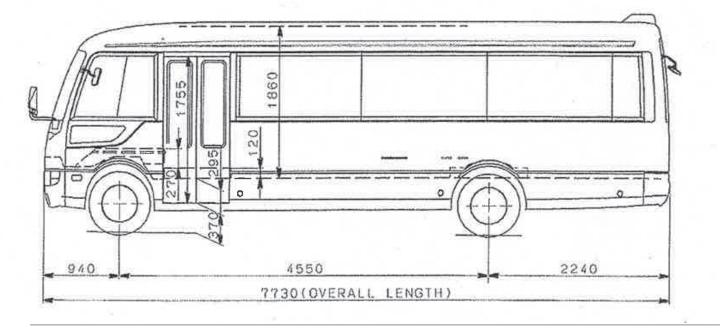
** Vehicle ratings and max axle loadings may be limited by local regulations.

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