

# ROSA BUS

## SCHOOL MODEL • AUTO



**Power/Torque:**  
129kW / 430Nm



**Passengers:**  
24



**Body Length:**  
7.7m

- Best-selling bus in its class
- Euro 6
- Advanced safety systems
- Passenger car licence model

# SPECIFICATIONS - ROSA SCHOOL BUS

## MODEL

School Bus 25 Seat Duonic Auto

BE741JRMFBAB

## LENGTH (m)

7.7

## CONFIGURATION

Low Back Vinyl Bench Seats

### ENGINE

Engine Version	FUSO 4P10-T6 Diesel
Configuration	4 Cyl. In-line DOHC, 4-Valve
Type	Variable Geometry Turbo Charged Air to Air Intercooled
Displacement	3.0 litre (2,998cc)
Power (DIN)	129kW @ 2,860~3,500 rpm
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 viscous 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 Position 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

Type	Independent Double Wishbone with Coil springs, Stabiliser Bar and Shock Absorbers
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### REAR AXLE

Type	Full Floating Hypoid
Capacity (kg)	3,800
Ratio	5.285:1

### REAR SUSPENSION

Spring suspension	Long Taper Leaf with Stabiliser Bar and Shock Absorbers
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### STEERING

Type	Power steering with tilt / telescopic adjustable steering wheel
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### BRAKES

Type	Hydraulic dual circuit with Front & Rear Twin 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 TYRES

Single front, Dual rear	Silver steel wheels
Tyres	205/85R16
Spare Tyre	Provided

### CHASSIS

Type	Parallel Tapered Channel with Cross Members
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### INSTRUMENTS

Gauges	Speedometer with LCD Odometer and Dual Tripmeter; Tachometer (Yellow Zone indicates safe exhaust operating zone); Fuel Level; Water Temperature
Warning Lamps	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

### EXTERIOR

Windscreen	Laminated Tinted with Darker Upper Band
Side Windows	Bonded with heat absorbing dark grey glass
Body Colour	Rising White (W48) with Colour Code Bumpers Other colours available to special order, Black Side Window Sash
Towing Hook	Front

### INTERIOR

Lighting	Access Step Light & LED Interior Lights
Floor	Heavy Duty Vinyl Floor Covering
Interior	Semi-trimmed
Modesty Panel	LH front passenger seat

# SPECIFICATIONS - ROSA SCHOOL BUS



## 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)

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

\* Weights (est.) includes 10L fuel and spare wheel and are subject to 2.5% variation (+/-)

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

## 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
Front passenger door	Emergency External Opening
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



