



# ROSA BUS

## ROSA SWB DELUXE

### DUONIC AMT



**THE SAFEST LIGHT DUTY BUS IN THE MARKET WITH AEBs, LDWS, ESP, ABS, DRIVER AND FRONT PASSENGER SRS AIRBAG'S, LED HEADLAMPS AND REVERSE CAMERA AS STANDARD.**

**People Inc. Driver**

**22**

**Length**

**7.0<sub>M</sub>**

**Power/Torque**

**129<sub>kW</sub> / 430<sub>Nm</sub>**

- Light rigid licence required
- Actual vehicle may differ from above image

# ROSA SPECIFICATIONS

## MODEL

DELUXE SWB 22 SEAT DUONIC AMT BE741GRMDFAD

## LENGTH

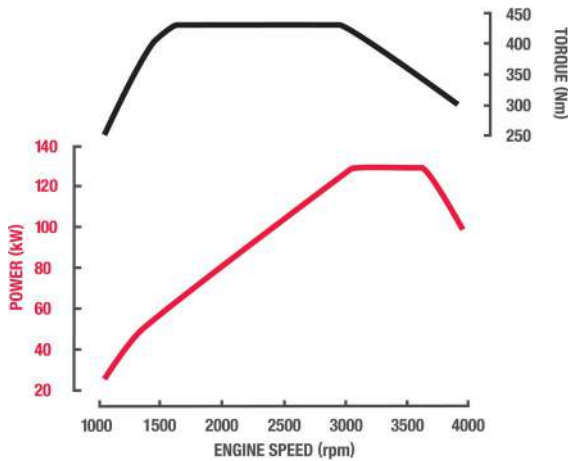
7.0M

## CONFIGURATION

High Back Fabric Seats with Lap/Sash Seat Belt / Optional - Vinyl Seats

### Engine

Engine Version	FUSO 4P10-T6 Diesel
Configuration	4 Cyl. In-line DOHC, 4-Valve
Injection System	Bosch Common Rail Electronic Direct Injection
Type	Variable Geometry Turbo Charged Air to Air Intercooled
Displacement	3 litre (2998cc)
Bore	95.8mm
Stroke	104mm
Power (DIN)	129kW @ 2860~3500 rpm
Torque (DIN)	430Nm @ 1600~2860 rpm
Maximum Engine Speed	4150 rpm
Compression Ratio	17.5:1
Cooling System / Oil Cooler	Water cooled, 14.1L capacity/ Plate type engine oil cooler
Air Cleaner	Paper Element Type with Restrictor Indicator. Mounted Underbody (RH)
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	ADR 80/04 - Euro VI



### Fuel

Tank Type	Rectangular Steel Tank with Locking Cap
Fuel Capacity *	100 Litres
Filtration	Main Filter with Water Separator Function
AdBlue Exhaust Fluid Capacity	12 Litres
Speed Limiter	Speed Limited 100km/h
Notes	*Max Fill to approx 95% of capacity

### Cooling

Fan Drive	Thermo modulated continuous control (Viscous)
Radiator	Corrugated Fin with Expansion Tank

### Electrical

Voltage	12V / 24V with Battery Equalizer
Battery Capacity	2x12V, 70Ah/5hr with Battery Equalizer
Battery Specification	115D31L x2
Headlamp Type	LED
Taillamp Type	LED
Fog Light	LED

### Clutch

Clutch Model	Fully Automated Dual Clutch (no clutch pedal)
Type	Dual Clutch (Wet Multi-plate)
Operation/Specification	Automated Manual (no clutch pedal)

### Transmission

Version	FUSO DUONIC M038S6
Type/Speeds	6 Speed Automated Manual with Auto and Manual Modes
Features	Synchromesh 1st - 6th and Rev Virtually Instant Gear Changes In-Dash Gear Lever with Park Brake Position
Ratios	1st: 5.397 2nd: 3.788 3rd: 2.310 4th: 1.474 5th: 1.000 6th: 0.701 Rev: 5.397
Park Interlock Release	Ignition Key (On), Foot Brake Activated & Passenger Door Closed

### Front Suspension

Type	Independent Double Wishbone with Coil springs, Transverse Leaf Spring and Double Acting Shock Absorbers
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### Rear Axle

Type	Full Floating Hypoid
Axle Version	FUSO R033B
Capacity*	3800kg
Ratio	5.285:1
Notes	*See MAX LOADING for vehicle capacity.

### Rear Suspension

Type	Steel Suspension
Details	Long Taper with Stabiliser Bar and Shock Absorbers

### Max Loading

Front	2500kg
Rear	3800kg
Total	5900kg

### Options

Options	R72: Vinyl Seat Covering
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### Steering

Type	Rack & Pinion with Integral Power Assistance
Steering Column	Tilt/Telescopic Adjustable

### Brakes

Type	Hydraulic Dual Circuit with Front and Rear Twin Calliper Disc Brakes
Size Front	235x40mm
Size Rear	235x40mm
Features	ABS plus EBD (Electronic Brake Distribution) Active Emergency Braking System (AEBS) Electronic Stability Program (ESP) Exhaust Brake Brake Priority System
Park Brake	Transmission
Auxiliary	Exhaust Brake

### Wheels & Tyres

Wheel Type	Alloy Disc 16x5.5J
Wheel Size	16.0x5.5G-115
Tyre Size All	Michelin Tyres XJE4 Mix Energy 205/85R16LT 117/115L
Spare Tyre	Provided

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### Chassis

Type Parallel Tapered Channel with Cross Members

### Instruments

Gauges	Speedometer with LCD Odometer & Dual Tripmeter Tachometer Fuel Level Water Temperature
Warning Lamps	AEBS 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 Fog Lamp

### Multi-Media Package

Satellite Navigation	GPS navigation specifically designed for commercial vehicle applications, with 3 years of Map updates included.
Colour Display	8" LCD with capacitive touch screen control
Phone Connectivity	Wireless Apple Carplay & Android Auto Compatible
Audio Visual Entertainment	Bluetooth® music streaming compatible Digital radio DAB+ (also AM/FM for areas not covered by DAB+) & USB
Audio Communication	PA System
Internal Storage Capacity	64GB
Camera Compatibility	Reverse camera (Factory Fitted) + 5 additional camera options #
Notes	# Cameras available through spare parts

### Exterior

Windscreen	Laminated Tinted with Darker Upper Band
Side Windows	Fixed Type with Dark Tint
Body Colour	Rising White with Colour Code Bumpers Black Side Window Sash
Towing Hook	Front

### Interior

Lighting	Access Step Light & LED Interior Lights
Floor	Heavy Duty Vinyl Floor Covering

### Active Safety

Safety Systems	AEBS - Advanced Emergency Braking System LDWS - Lane Departure Warning System ESP - Electronic Stability Program ABS - Anti-lock Braking System ASR - Anti Slip Regulator LED Headlamps
Reverse Warning	Buzzer
Passenger Access Door	Interlock mechanism - Door cannot be opened or closed unless transmission is in park.

### Passive Safety

Airbags	SRS Airbag - Driver and Front Passenger
Body Strength	ADR 59 (Roll-over) & 68 (Occupant Protection) Compliant
Emergency Exits	4 Exits (1 LH & 2 RH Windows with Emergency Hammers and Rear Emergency Door)
Emergency Operational Decals	Internal & External
Rear Swing Door - Opening Direction	Outward
Rear Door Locking	Automatic when Ignition Key in Off Position
Seat Belts - Driver & Driver Assistant	3 Point ELR Lap Sash
Fire Extinguisher	Provided

### Driver Comfort & Features

Driver's Seat	Low Back Sliding with Head Rest Adjustable Height & Back Angle
Visibility Mirrors	LH & RH External Rear View Additional Front Left Clearance Internal Rear Vision Rear Mounted Reversing
General	Power Driver's Window. Cup Holder. Sun Visors Driver and Front Passenger. Central Locking. 12V Accessory Power Outlet.

### Air Conditioning (Separate Unit)

Control	Full Auto
Capacity	11.6 kW JIS
Distribution	Integrated Roof Ducts located throughout Cab
Intake	Switchable Fresh Air Duct on Roof at Rear of Cab

### Cabin Heating / Demisting

Heaters	Forward Cabin plus Passenger Units throughout Cab
Demisters	Forward and Rear Cabin

### Passenger Access & Seating

Passenger Door	Swing Type Electric Automatic with Step Illumination light & Dash Interlock Warning
Passenger Seats	Fixed High Back
Seat Belts	ELR 3 Point Lap Sash (ADR68/00)
Child Restraint	6x Anchor points
Trim	Fabric
Internal Lights	Located overhead and on steps
Interior	Fully trimmed including Side Windows, Rear Pillars & Emergency Door surrounds
External Trim	Black Exterior Front & RH Door Panel Inserts
Other	O/Head Storage above Windscreen with Centrally Mounted Clock
Modesty Panel - Front Passenger Seat	Front Passenger Seat

### Service Intervals

Interval*	15,000km or 6 Months (Whichever occurs first)
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### Warranty\*

Basic/Powertrain	5 Years or 200,000kms (whichever occurs first)
Cab Perforation/Anti Corrosion	5 Years
Notes	* Please refer to Fuso Owners Warranty Booklet for additional terms and conditions.

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### ATM (towing capacity)

Without Trailer Brakes	715kg
With Trailer Brakes	1615kg

### Performance

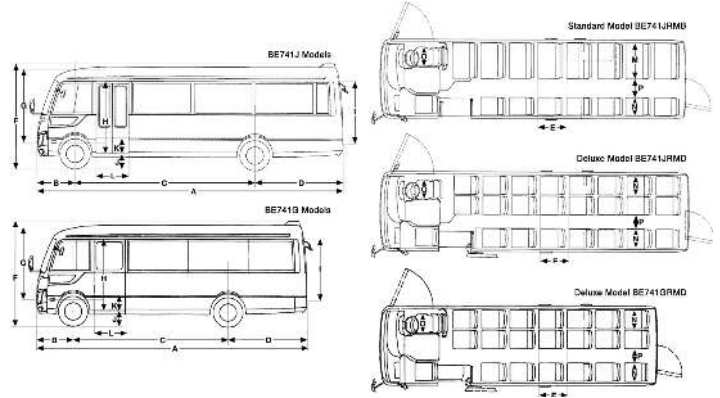
Turning Circle (kerb to kerb)	12.6m
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### Mass (estimated)\*

Total*	4050kg
Note:	* Mass est. includes oil, fuel, water, spare tyre carrier bracket, spare tyre and standard tool set. Weights provided are subject to 3.5% variation +/-

### Dimensions (mm)

Width Overall (excluding mirrors)	2070
Width Front Track	1665
Width Rear Track	1505
A - Length Overall (B+C+D)	6990
B - Length Front Overhang	940
C - Length Wheelbase	3995
D - Length Rear Overhang	2055
F - Height Overall	2755
G - Height Floor to Headliner	1860
H - Height Access Door	1715
I - Height Emergency Exit	1480
J - Height First Access Door Step to Ground	380
K - Height Second Access Door Step to Floor	295
L - Width Door Access	600
N - Width Single	465
O - Width Driver's Seat	500
P - Width Passenger Aisle	360



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