



# ROSA BUS

## ROSA LWB STANDARD

### DUONIC AMT



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

People Inc. driver

25

Length

7.7M

Power/Torque

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

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

# ROSA SPECIFICATIONS

## MODEL

STANDARD LWB 25 SEAT DUONIC AMT BE741JRMBFAB

## LENGTH

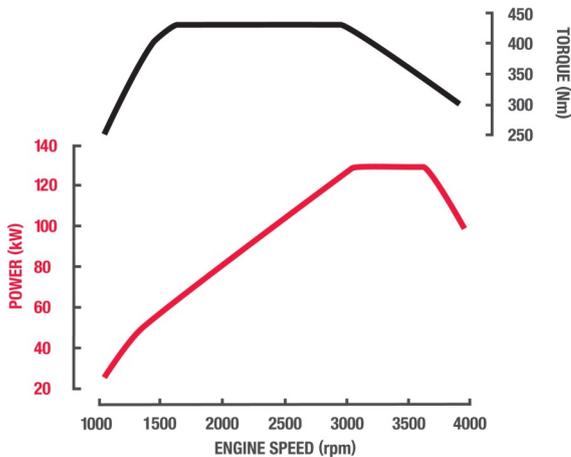
7.7M

## CONFIGURATION

Low Back Vinyl Bench Seats with Lap Seat Belt

### 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	4100 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 - as of March 2021 production

### 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	Ignition Key (On) & Foot Brake Activated

### 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	6285kg

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

### Chassis

Type	Parallel Tapered Channel with Cross Members
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Instruments	
Gauges	Speedometer with LCD Odometer & Dual Tripmeter Tachometer (Yellow Zone indicates safe exhaust operating zone) 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

Multi-Media Package	
Satellite Navigation	GPS navigation specifically designed for commercial vehicle applications, with 3 years of Map updates included.
Colour Display	7 inch LCD with touch screen control
Phone Connectivity	Bluetooth® hands free
Audio Visual Entertainment	Bluetooth® music streaming compatible Digital radio DAB+ (also AM/FM for areas not covered by DAB+) & USB
Camera Compatibility	1 Reverse Camera fitted as standard Display can accept up to 4 additional cameras#
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	Accelerator Interlock & Pre-Warning Buzzer

Passive Safety	
Airbags	SRS Airbag - Driver and Front Passenger
Body Strength	Fully ADR 59 & 68 Roll Strength 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 Driver Pre-Tensioner 2 point centre 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	Manual
Capacity	12.4 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	Bi Fold Vacuum Automatic
Passenger Seats	Fixed Low Back
Seat Belts	ERL 3 Point Driver and Assistant Only ERL 2 Point for Other Seats
Trim	Vinyl
Grip Handles	N/A
Interior	Fully trimmed including Side Windows, Rear Pillars & Emergency Door surrounds
External Trim	N/A
Other	N/A
Modesty Panel - Front Passenger Seat	Front Passenger Seat

Service Intervals	
Interval*	15,000km or 6 Months (Whichever occurs first)

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.

ATM (towing capacity)	
Without Trailer Brakes	715kg
With Trailer Brakes	1615kg

Performance	
Turning Circle (kerb to kerb)	14.2m

Mass (estimated)*	
Total*	3955kg
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 +/-

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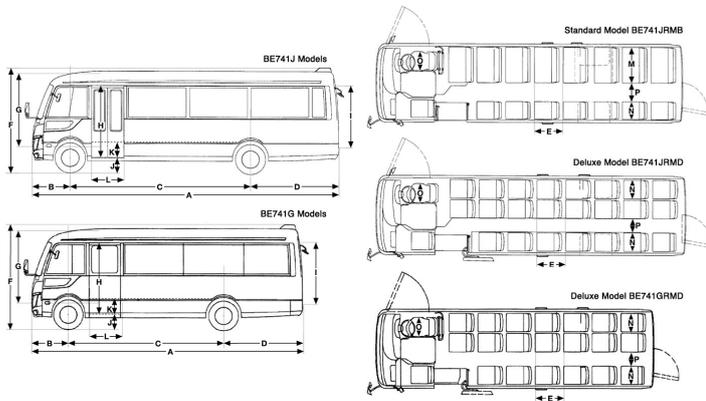
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### Dimensions (mm)

Width Overall (excluding mirrors)	2070
Width Front Track	1655
Width Rear Track	1495
A - Length Overall (B+C+D)	7730
B - Length Front Overhang	940
C - Length Wheelbase	4550
D - Length Rear Overhang	2240
F - Height Overall	2755
G - Height Floor to Headliner	1860
H - Height Access Door	1755
I - Height Emergency Exit	1480
J - Height First Access Door Step to Ground	375
K - Height Second Access Door Step to Floor	295
L - Width Door Access	665
M - Width Passenger Seat - Right Hand Bench	900
N - Width Single	450
O - Width Driver's Seat	500



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