



EURO BUS

Diamond



VEHICUL **IDEAL** PENTRU TRANSPORT PUBLIC

Autobuzul Euro Bus Diamond este ideal pentru transportul urban de persoane. Cu o capacitate de transport impresionanta, confort sporit creat pentru pasageri, siguranta crescuta si design avangardist, stabileste un standard unic pentru transportul urban de calatori. Autobuzul Euro Bus Diamond, cu podea 100% coborata, echipat cu motor Mercedes Benz EURO VI de ultima generatie, ofera un succes garantat pe termen lung indiferent de exigentele cumparatorului.

IDEAL PUBLIC TRANSPORTATION VEHICLE

Euro Bus Diamond is the ideal choice for public transportation. With an impressive passenger transport capacity, enhanced comfort created for passengers, increased safety and cutting-edge design, it establishes an unique standard for public transportation. The Euro Bus Diamond, with 100% low floor and Mercedes Benz EURO VI ultimate generation engines offers a guaranteed long-term success regardless of the customer demands.



DESIGN EXTERIOR

Euro Bus Diamond va intampina cu un design perfect echilibrat si armonios

EXTERIOR **DESIGN**

Euro Bus Diamond welcomes you with a perfectly equilibrated and harmonious design.



ACCES SCAUN RULANT

Persoanele cu dizabilitati sau cu mobilitate redusa au posibilitatea de a se imbarca in autobuzul Euro Bus Diamond fara efort. Cu interior spatios si butoane usor accesibile, persoanele cu dizabilitati sau cu mobilitate redusa vor avea parte de o calatorie sigura si confortabila.



WHEELCHAIR ACCESSIBILITY

People with disabilities or reduced mobility have the possibility to embark in the Euro Bus Diamond effortlessly. With spacious interior and easily accessible buttons, people with disabilities or reduced mobility will experience a safe and comfortable journey.



DESIGN INTERIOR CONTEMPORAN

Autobuzul Euro Bus Diamond ofera solutii practice pentru transportul urban de calatori si un design armonios. Cu un interior luminos si primitor gratie suprafetelor vitrate extinse, scaune confortabile si in acelasi timp robuste, usi spatioase ce permit un acces rapid si in siguranta al calatorilor, Euro Bus Diamond reprezinta alegerea ideala pentru dumneavoastra.

CONTEMPORARY INTERIOR **DESIGN**

Euro Bus Diamond offers practical solutions for public transportation and a harmonious design. With a luminous and welcoming interior, thanks to the extended glass surfaces, comfortable and robust chairs, large doors that allow easy and safe access for passengers, Euro Bus Diamond represents the ideal choice for you.



EFICIENTA MAXIMA PRIN **ECONOMIE** DE COMBUSTIBIL SI **PERFORMANTA**

Solutie ideala pentru orice provocare, motoarele Mercedes Benz EURO VI de ultima generatie cu care sunt dotate autobuzele Euro Bus Diamond alaturi de cutiile de viteze ZF Ecolife ofera un contrast remarcabil intre puterea sporita si consumul redus de combustibil. Create pentru protejarea mediului inconjurator si apreciate pentru silentiozitate, motoarele Mercedes Benz ce echipeaza autobuzul Euro Bus Diamond sunt construite sa impresioneze.

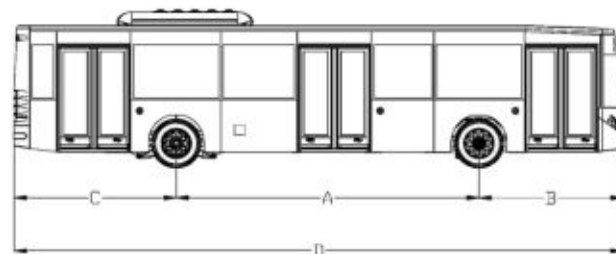
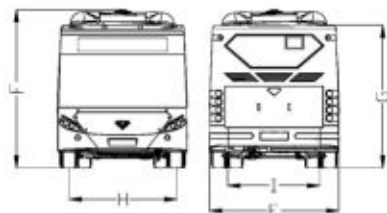
MAXIMUM EFFICIENCY THROUGH FUEL **ECONOMY** AND **PERFORMANCE**

Ideal solution for any challenge, Mercedes Benz Euro VI top of the art engines which equip the Euro Bus Diamond together with the ZF Ecolife gearboxes offer a remarkable contrast between high power and low fuel consumption. Designed to be environmental friendly and appreciated for silent operation, the Euro Bus Diamond's Mercedes Benz engines are built to impress.

DATE TEHNICE

AUTOBUZ URBAN CU PODEA 100% COBORATA

TIP: U12



TECHNICAL SPECIFICATION

COMPLETE LOW FLOOR CITY BUS

TYPE: U12

1. MOTOR		8. ANVELOPE	
Producator / Cod	Mercedes-Benz / OM936 Euro 6	Tip / Dimensiune / Numar	tubeless / 275/70 R 22.5 / 6+1
Tip	m.a.c., supraalimentat, intercooler		
Numar cilindri	6	9. JANTE	
Capacitate cilindrica	7 698 [cm ³]	Dimensiune / Numar gauri	8,25 x 22,5 / 10
Putere maxima / turatie	220 / 2 200 [kW/rpm]		
Cuplu maxim / turatie	1 200 / 1 200 - 1 600 [Nm/rpm]	10. SISTEM ELECTRIC SI RACIRE	
		Tensiune	24 [V]
2. CUTIE DE VITEZE		Baterii de acumulatori	2 x 12 V, min. 225 Ah
Producator	ZF EcoLife	Alternator	28 V, 150 A
Tip	automata	Demaror	24 V, 5,5 kW
Numar de trepte	6+1	Sistem de racire	Bosch Rexroth
Rapoarte	3.36 / 1.91 / 1.42 / 1.00 / 0.72 / 0.62; M1 4.24		
		11. DIMENSIUNI	
3. AXE		A: Ampatament	5 950 [mm]
Axa fata		B: Consola fata	2 825 [mm]
Producator / Cod	ZF / RL 85A	C: Consola spate	3 225 [mm]
Tip / Capacitate	profil "I", rigida, forjata / 8500 [kg]	D: Lungime	12 000 [mm]
Axa spate		E: Latime	2 520 [mm]
Producator / Cod	ZF / AV-132/87	F/G: Inaltime (cu AC / fara AC)	3 090 [mm] / 2 785 [mm]
Tip / Capacitate / Raport	rigida / 13000 [kg] / 6,21	H: Ecartament fata	2 090 [mm]
		I: Ecartament spate	1 840 [mm]
4. DIRECTIE		Unghi de atac / rampa / degajare	7° / 6° / 7°
Producator / Cod	ZF / Hema / 8098		
Tip coloana volan	reglabila longitudinal si vertical	12. MASE	
Tip servodirectie	servodirectie hidraulica	Masa proprie	10 615 [kg]
		Masa utila	7 385 [kg]
5. CAROSERIE		Masa totala tehnic admistibila	18 000 [kg]
Tip	autoportanta	Masa totala tehnic admisibila axa fata	7 500 [kg]
Scaun sofer	pneumatic si reglaj longitudinal	Masa totala tehnic admisibila axa spatele	11 500 (13 00) (kg)
Scaune salon	plastic + textil	13. NUMAR PAS AGERI	
		Total	102 + 1 conducator auto
6. FRANA		Pe scaune	30
Tip	integral pneumatica cu discuri	In picioare	72
Numar circuite	2 (fata, spate) +1 (stationare)		
Frâna de stationare	cu arcuri pretensionate - axa spate	14. PERFORMANTE	
Sistem de asistare	EBS / ASR / ESC	Viteza maxima	90 [km/h] limitata electronic
Tip retarder	intarder	Panta maxima (%)	30
		Raza de brcaj	12 [m]
7. SUSPENSIE		15. CAPACITATE	
Fata	arc pneumatic (2), amortizor (2)	Rezervor combustibil	274 [l]
Spate	arc pneumatic (4), amortizor (4)	Rezervor AdBlue	25 [l]
Inclinare lateral dreapta	ECAS		

Producatorul isi rezerva dreptul de a modifica design-ul si specificatiile fara o notificare prealabila.

1. ENGINE		8. TYRES	
Make / Model / Code	Mercedes-Benz / OM936 Euro6	Type / Dimension / Number	tubeless / 275/70 R 22.5 / 6+1
Type	turbocharged, intercooler, diesel		
Number of cylinders	6	9. RIMS	
Total displacement	7 698 [cm ³]	Dimension / Number of holes	8,25 x 22,5 / 10
Maximum power/rpm	220 / 2 200 [kW/rpm]		
Maximum torque/rpm	1 200 Nm / 1 200 - 1 600 rpm	10. ELECTRIC AND COOLING	
		Voltage	24 [V]
2. GEAR BOX		Batteries	2 x 12 V, min. 225 Ah
Producator	ZF EcoLife	Alternator	28 V, 150 A
Type	automatic with intarder	Starting motor	24 V, 5,5 kW
Number of gears	6+1	Cooling System	Bosch Rexroth
Gear ratio	3.36 / 1.91 / 1.42 / 1.00 / 0.72 / 0.62; R 4.24		
		11. DIMENSIONS	
3. AXLES		A: Wheelbase	5 950 [mm]
Front axle		B: Front overhang	2 825 [mm]
Producator / Code	ZF / RL 85A	C: Rear overhang	3 225 [mm]
Type / Capacity	"I" section / rigid / forged / 8500 [kg]	D: Overall length	12 000 [mm]
Rear axle		E: Overall width	2 520 [mm]
Producator / Code	ZF / AV-132/87	F/G: Height (with A/C / without A/C)	3 090 [mm] / 2 785 [mm]
Type / Capacity / Ratio	rigid / 13000 [kg] / 6,21	H: Front track	2 090 [mm]
		I: Rear track	1 840 [mm]
4. STEERING SYSTEM		Approach angle / ramp / clearance	7° / 6° / 7°
Producator / Code	ZF / Hema / 8098		
Steering column type	longitudinally and vertically adjustable	12. WEIGHT	
Steering type	Servocon, hydraulic	Kerb weight	10 615 [kg]
		Payload	7 385 [kg]
5. BODY		Maximum permissible total weight	18 000 [kg]
Type	monocoque body	Maximum permissible weight front axle	7 500 [kg]
Driver seat	pneumatic and longitudinal adjustment	Maximum permissible weigh rear axle	11 500 (13 000) [kg]
Passenger seats	plastic + textile	13. PASSENGER CAPACITY	
		Total	102 + 1 driver
6. BRAKES		Seated	30
Type	pneumatic with disc on front and rear	Standing	72
Number of circuits	2 (front, rear) +1 (parking)	14. PERFORMANCES	
Parking break	spring parking break - rear axle	Maximum speed	90 [km/h] electronically limited
Assist System	EBS / ASR / ESC	Gradeability (%)	30
Retarder type	Intarder	Turning Radius	12 [m]
		15. CAPACITY	
7. SUSPENSION		Fuel tank	274 [l]
Front axle	air springs (2), shock absorbers (2)	AdBlue tank	25 [l]
Rear axle	air springs (4), shock absorbers (4)		
Right side kneeling	ECAS		

Producer reserves the right to modify design and specifications without prior notice.



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