
AUTONOMOUS
e-JEST
CITY'S POSITIVE ENERGY
NOW AUTONOMOUS
AUTONOMOUS E-JEST
KARSAN
AUTONOMOUS
e-JEST
VALIDATED IN REAL TRAFFIC
PROVEN
TECHNOLOGY
WITH AUTONOMOUS E-ATAK
KARSAN

THE FUTURE IS SMART
THE FUTURE IS NOW KARSAN AUTONOMOUS INTELLIGENCE

The future is no longer just about progress. The future is being redefined by the emergence of a whole new intelligence equipped with technologies that can make decisions like humans, and are even more attentive and sensitive beyond human senses.
Karsan AI is the mind behind the future of mobility. It perceives its surroundings, processes data, makes real-time decisions; it constantly learns, thinks, and evolves. Behind it lies not only advanced technology; there is artificial intelligence that enhances driving safety, adaptive systems that make decisions based on the momentary situation, and smart solutions that work in harmony with cities, providing seamless transportation. Thus, it enhances the quality of life in cities; creating a safer, more efficient, and smarter transportation culture.
Karsan AI is the thinking, future-shaping, and evolving intelligence of mobility.

A STEP AHEAD IN URBAN MOBILITY

Autonomous e-JEST is not just a means of transportation; it is a companion that understands the rhythm of cities with autonomous intelligence, redefines safety, and transforms journeys into an intelligent experience.
Born with Electric Evolution, e-JEST is now rebuilding the transportation dynamics of the future with Autonomous Intelligence.

SMART TRANSPORTATION FOR SMART CITIES

Cities are growing, populations are increasing, and transportation needs are diversifying every day. This change necessitates smarter and more integrated solutions beyond traditional systems. It is precisely at this point that a new era in transportation is beginning with autonomous technologies.
Leading this transformation with the Autonomous e-ATAK, Karsan now continues its journey with the Autonomous e-JEST, focusing on people, cities, the planet, and the future.

EYE-CATCHING DESIGN

Autonomous e-JEST offers both an aesthetic and functional solution with its eye-catching design and optimized size.
It adds value to modern urban life by adapting to the dynamic structure of cities.

EUROPE'S NUMBER ONE
HEADING TOWARDS THE FUTURE WITHOUT SLOWING DOWN

Europe's most preferred electric minibus, e-JEST, is taking its leadership one step further with Level 4 autonomous driving technology. With its innovative design, superior technology integration, and eco-friendly approach, e-JEST has been the strongest player in urban transportation to date; now it is changing not only cities but also the future. The city's positive energy is now autonomous.

TRANSFORMATION WITH ELECTRIC EVOLUTION NOW EVOLVING INTO AUTONOMOUS INTELLIGENCE

We are no longer just manufacturing electric vehicles; we are building an autonomous ecosystem that understands the rhythm of cities, thinks alongside passengers, and shapes the transportation culture of tomorrow today.

Used in real road conditions in Europe and the US since 2021, the Autonomous e-ATAK has proven itself with more than 150,000 kilometers driven and over 60,000 passengers carried. Tested in 12 cities across 15 different projects, from -25°C cold to demanding urban traffic, it has established itself as one of the most reliable Level-4 autonomous technologies in public transport. This proven expertise now meets the compact and agile design of e-JEST, bringing the future of autonomous mobility to every corner of the city.

Autonomous e-JEST is not just a technology added to e-JEST; it is the evolution of our journey that began with Electric Evolution, transformed into a mobility intelligence that perceives its surroundings, makes instant decisions, and continuously learns. Taking Karsan's vision one step further, Autonomous e-JEST is the strongest representative of the transition from the power of electricity to the freedom of intelligence.

THE JOY OF THE JOURNEY IS YOURS

Karsan Autonomous e-JEST has the intelligence to master city traffic. Thanks to its sensors and AI-powered decision-making mechanisms, it determines every step, from lane tracking to turn timing. It constantly scans its surroundings and makes the most appropriate move based on traffic flow, road conditions, and driving conditions.

QUICK AND EASY CHARGING

Fast DC or convenient AC charging anytime, anywhere. Fast DC or convenient AC charging anytime, anywhere.
80 kW DC fast charging and 22 kW AC easy charging infrastructure suitable for different operations.

WEATHER-RESISTANT RELIABLE AT ALL TIMES

Autonomous e-JEST stands out with its high adaptability in mixed traffic scenarios. It delivers stable performance even in harsh weather conditions and operates non-stop day and night, enhancing the reliability of urban transportation.

THE ROAD IS IN SAFE HANDS

With Autonomous e-JEST, no detail is overlooked in city traffic. The Autonomous e-JEST provides full visibility even in blind spots thanks to its advanced detection systems. It instantly detects and reacts to any movement, whether it's a pedestrian, cyclist, or sudden obstacle. It monitors its surroundings 360° without room for human error, keeping safe driving under control at all times. In the hustle and bustle of city life, road safety is no longer a concern, because it's now in the hands of Karsan Autonomous e-JEST.

NOTHING BEYOND ITS VISION

With 360° visibility and advanced detection systems, Autonomous e-JEST constantly monitors its surroundings; it instantly detects every movement in the city and provides seamless and safe driving with the right decisions.

105 kWh
Battery
Capacity

260 km
Range

Every Minute on the Road Matters

It improves traffic flow, shortens travel times, and minimizes stop times. By using time efficiently, it offers a smoother transportation experience for both passengers and businesses.

Zero Emissions for Clean Air

It reduces your carbon footprint with zero emissions and minimizes environmental impact with lower energy consumption. It leads the green revolution with 100% electric and autonomous technology.

Seamless Integration with the Rhythm of the City

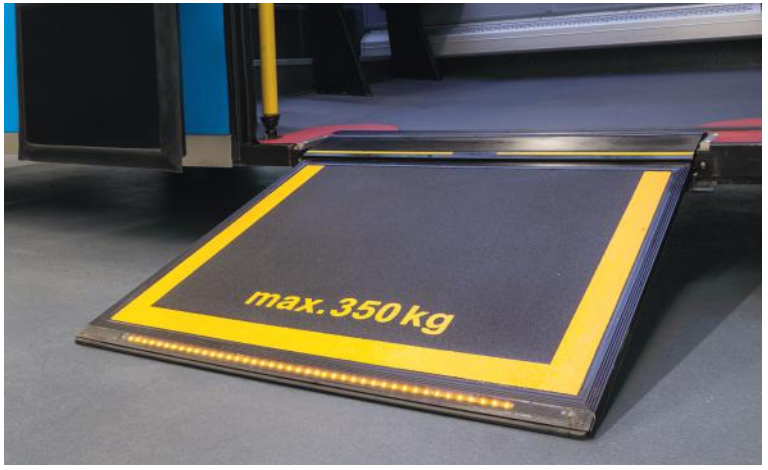
With superior maneuverability, it moves comfortably in narrow streets and heavy city traffic, increasing space and movement efficiency and making public transportation services more effective. Its high maneuverability provides flawless movement in narrow city streets and heavy traffic.

Low Cost, High Efficiency

Its advanced algorithms reduce energy consumption and minimize maintenance needs; it optimizes fleet management and lowers operating costs by managing vehicle usage time and routes in the most efficient way.

Comfort Is Its Business

It makes the journey more than just a means of transportation.
Thanks to the 4-wheel independent suspension system, road vibrations are minimized, offering passengers passenger car-level comfort.



Easy and Barrier-Free Access

Thanks to its Original Low Floor design and a step height of only 270 mm, Autonomous e-JEST provides fast, easy, and barrier-free access for all passengers.

LiDAR Sensors

With its high-precision LiDAR, the Autonomous e-JEST detects pedestrians, cyclists, and objects with millimeter accuracy, while simultaneously handling positioning and mapping.

Smart Imaging Cameras

With advanced camera systems, Autonomous e-JEST recognizes colors, classifies objects, detects lanes, and successfully analyzes complex traffic scenarios.

IMU

It maintains balance by measuring vehicle acceleration and turning movements; supports instantaneous position calculations and ensures route stability.

GNSS

Real-time location tracking ensures the precise location of Autonomous e-JEST at all times. It is used for navigation, location matching, and direction finding.

Radar Systems

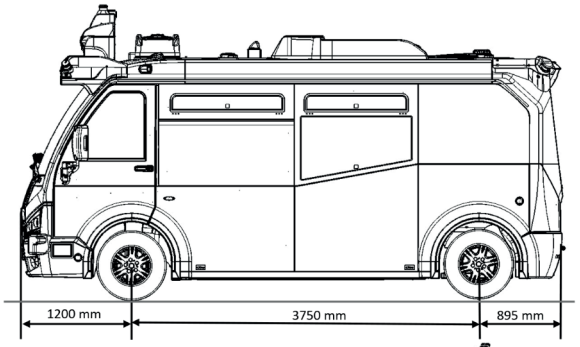
Front and side radars measure distance and enable features like auto braking, adaptive cruise control, and safe following.

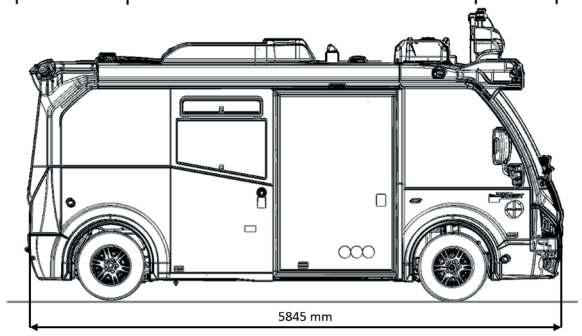
TECHNICAL SPECIFICATIONS

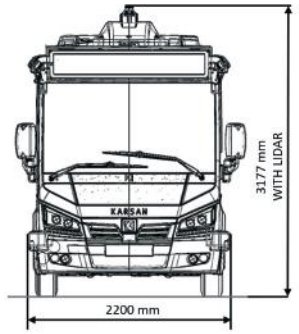
VEHICLE TYPE	
Vehicle Category & Class	M2 / M3 Category & Class A
POWERTRAIN SYSTEM	
Drive Type	Battery Electric Vehicle (BEV)
Engine Type	BMW Electric Traction Motor
Maximum Power (kW & hp)	135 & 184
Maximum Torque (Nm)	290
Transmission	Single Speed Automatic Transmission
PERFORMANCE & ELECTRICAL SYSTEM	
Top Speed (km/h)	40
Turning Radius (mm)	6.993
Maximum Gradeability (%)	25
Range (km)[1]	260
High Voltage Battery (Type - Capacity)	Li-ion - 105 kWh
Charging (Type - Power - Time)	
AC Type 2	22 kW - 4 hours 45 mins
DC Combo 2	80 kW - 1 hours 20 mins
BODY	
Body Type	Monocoque Space Frame - Original Low Floor (270 mm Step Height)
Corrosion Resistance	Cataphoresis Coating & Under Coating
SUSPENSION	
Suspension System	4WIS-Four Wheel Independent Suspension System
Front Axle	Independent, MacPherson, Coil Springs & Telescobic Shock Absorber
Rear Axle	Trailing Arm, Helical Spring + Anti Roll Bar
BRAKES	
Front & Rear Brakes	Hydraulic & Disc
DIMENSIONS	
Overall Length (mm)	5.845
Overall Width (mm)	2.200 (without mirrors)(with LiDAR)
Overall Height (mm)	3.177 (with LiDAR)
Interior Height (mm)	2.000 (maximum)
Front Overhang (mm)	1.200
Rear Overhang (mm)	895
Wheelbase (mm)	3.750
Gross Vehicle Weight (kg)	5.000 / 5.200
TIRES	
Tire Sizes	215 / 75 R 16C
Rim Sizes	6J x 16“
PASSENGER CAPACITY ALTERNATIVES	
Class A	Up to 19 Passengers (105 kWh)

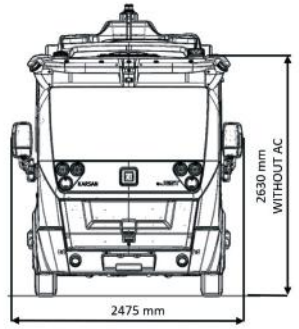
[1]Based on NEDC testing standards with a base-level equipped vehicle. Range may vary depending on various factors, in particular: individual driving style, route characteristics, outside temperature, heating/air conditioning, seated & standing passenger weight.

[2]Charging up to [80]% battery capacity in ideal conditions.









EQUIPMENT FEATURES

STYLE

Exterior Design	
LED High Beam & Low Beam Lights	S
LED DRL (Day Time Running Lights)	S
Fog Lamps	S
LED 3rd Stop Lamp	O
Rear Clearance Lamps	O
16" Alloy Wheels	S
Tinted Side Glasses & Transom Windows	S
Flag Holder	O
Driver Door	O
Outward Swing Passenger Door	S
Sliding Passenger Door[3]	O
Manual Access Ramp	S
Electric Access Ramp[3]	O
Exterior Passenger Door Opening Button (Under Wiper)	O
Body Colored Bumpers	S
Passenger Compartment	
Blue Handrails	S
Stainless Steel Handrails	O
Stop Buttons on Handrails	S

TECHNOLOGY

Driver Compartment	
Leather Steering Wheel	O
Full Digital Cluster	S
Electric Park Brake	S
Multimedia Touchscreen	S
Speed Limiter - 50 km/h (On-Off Available)	S
2 Mode Regeneration Module	S
Acceleration Limiter	S
Rear Parking Sensor	S
Telematic System	S
Camera Systems	
Rear View & Driver & Service Door Camera & DVR (1TB)	O
Front & Inside & Rear View & Driver & Service Door Camera & DVR (1TB)	O
Video & Audio Systems	
Radio + USB Port + AUX	O
4 Speakers	S
External Speaker	O
Goose Neck Microphone + Amplifier	O

Passenger Compartment	
Stop Sign & Digital Clock	S
USB on Handrails (Type A + Type C)	O
USB on Sidewall (Type A + Type C)	O
Internet Access Infrastructure (Wi-Fi Router)	O
Line Systems	
Smart Tachograph	S
Heightened Roof Destination Info Preparation with Digital Route Indicator4	O
Validator Preparation	O

COMFORT

Heating & Cooling System	
Roof Mounted Passenger A/C	S
Driver A/C	S
High Voltage Heater	S
Pre-Heater (Diesel)[5]	O
Mirrors & Windows	
Manual Roof Hatch	S
Electric Roof Hatch	O
Electric & Heated Side Mirrors	S
Sidewalk Mirror on Right	S
Electric & Heated Driver Window	S
Heated Front Right Window	S
Heated Windscreen	S
Front Manual Sun Visor (Driver Only)	S
Interior Lights	
Driver Area Illumination	S
Passenger Area LED Light Path	S
Driver Compartment	
Tiltable & Telescopic Hydraulic Steering Wheel	S
Remote Controlled Central Locking System	S
8 Way Adjustable Pneumatic Driver Seat with Arm Rest (PILOT)	S
8 Way Adjustable Pneumatic Driver Seat with Arm Rest (SEGE)	O
Driver Overhead Bin	S
Semi-Closed Driver Cabin (with Hand Luggage Area)	S
Fully Separated Driver Cabin	O
Passenger Compartment	
Plastic Type Passenger Seats	S
Plastic Type Passenger Seats with Fabric	O
Billboard[6]	O

Other	
12V Battery	S
22 kW High Capacity Charger	S
CCS2 Charging Cable (3 Phases x 32A)	O
FMS Gateway	S

SAFETY

GSR Package[7]	S
Cyber Security[8]	S
DDAW - Driver Drowsiness and Attention Warning	O
ESP - Electronic Stability Program	S
Hill Holder	S
ABS - Anti-Lock Braking System	S
EBD - Electronic Brake Force Distribution	S
HBA - Hydraulic Brake Assistant	S
VDC - Vehicle Dynamics Control	S
TCS - Traction Control System	S
DTC - Drag Torque Control	S
Battery Room Fire Detection System	S
Electric Motor Fire Detection System	S
Brake Pad Wear Sensor	S
Reverse Gear Buzzer	S

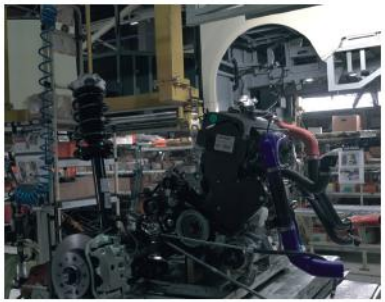
S = Standart
O = Option

[3]Can't be used with 105 kWh + Class A + 9 Fixed + 2 Foldable Layout.
[4]It can be provided also without indicator.
[5]Option includes Fire Supression System for pre-heater area.
[6]Only with Fully Separated Driver Cabin.
[7]Includes: Emergency stop signal, Tyre pressure monitoring system, Blind spot information system, Reversing information system, Moving off information system, Alcohol Interlock Facilitation Installation, Intelligent speed assistance.
[8]Includes: ECE R.155: Protection of vehicle against cyberattacks; ECE R.156: Software update and software updates managment system.

KARSAN... FROM PAST TO PRESENT

1966

Karsan's adventure began in 1966 with 269 independent entrepreneurs.



in the first 15 years, it continued to work as a part supplier far Original Equipment Manufacturers (OEMs).

1981

From 1981 onwards, it began manufacturing J9 minibuses far Automobiles Peugeot. Later, it manufactured the first minivan in collaboration with Peugeot.

2006

in 2006, Karsan manufactured J9 Premier, which was completely its own product. in the fallowing year, it established strategic alliances with Hyundai, Renault and Citroen.

2009

In line with its vision updated in 2009 as "Limitless Transportation Solutions", Karsan developed the V1 project in response to New York's Taxi of Tomorrow tender.

2025

Karsan took a step into a new era of future mobility by adding the Autonomous e-JEST to its vehicle family, bringing the KarsanAI vision of 'thinking, sensing, and continuously evolving mobility' to different segments of urban transportation.

2024

Karsan has made a strong entry into the UK market with its European market-leading e-JEST model, taking a significant step forward in its vision to shape the future of mobility.

2023

Karsan has become the first European electric bus brand to enter the Japanese market with its new right-hand drive e-JEST model.

2022

Karsan started the production of the new generation e-ATA HYDROGEN, which produces its own electricity with renewable green hydrogen energy, starting a new era in the evolution of electric technology.

Karsan expands its product range with 10-12-18 meter buses and offers a full range of electric buses.

2011

Starting to manufacture buses in 2011, Karsan manufactured the first big bus for Eome Municipality.

2013

In 2013, it re-developed its product portfolio with its own vehicles, namely Jest, Atak and Star.

2017

Jest+was relaunched with an esthetic look and enhanced features.

Karsan became one of the 6 finalists in the prototype design contest for a next generation delivery vehicle at US Postal Service and remained in the evaluation stage for five years and the tender was awarded to another bidder in February 2021.

Karsan's factory, located in Hasanağa, Bursa, Turkey, having 90.000 m^2 of indoor space on a total area of 200.000 m^2, has a capacity of manufacturing 65.000 vehicles/year. Today, in its modern facilities Karsan has been producing for more than 50 years for the world's leading brands and its own brand.

2021

Karsan signed a 5-year contract with Oyak Renault far the production of Megane Sedan models.

Karsan introduced Autonomous e-ATAK, the first serial-production level 4 bus in Europe and America.

2019

Karsan now manufactures e-ATAK for a sustaniable future and preserve natural resources of historical cities.

2018

Karsan's first electric vehicle e-JEST, which is electrified by BMW i, was launched in Munich, in cooperation with BMW.