

SAVE YOUR ENERGY



 KARSAN

e-ATA



Technology of the Future is Here, Right Now!

Today's cities meet the technology of tomorrow. Considering future generations with its zero emission structure, e-ATA series is ready to serve for a greener world with sustainable energy.



Born 100% Electric

From design to production, e-ATA is formed as an electric bus. Futuristic lines shape the ultimate solution partner of your fleet, providing ultra low consumption even with a spacious passenger area, technological equipment and flexible charging options.

The e-ATA series make the first impression with its modern design that inspire the future, and continue the impact with ultra low consumption; technological equipment and flexible charging options.

Completed with e-ATA series, Karsan's electrical product range meets all the needs of your fleet with different sizes from 6 m to 18 m, and carries cities to a sustainable future.

AESTHETIC CHARM WITHIN

Futuristic, sharp and dynamic... These values form the design triangle of e-ATA. Characteristic front design and striking headlights mix perfectly with the texture of the city.



Discover the Dazzling Design

All eyes are on e-ATA with its eye-catching rear light design and aerodynamic roof combined with flawless lines.



SMART DRIVELINE MEETS COMFORT

e-ATA is promising ultimate comfort with its silent electric hub motors and independent front axle, providing both the passengers and the driver a pleasant journey.

Feel the Ergonomy in Every Detail

Designed down to the last need, e-ATA provides high comfort to the driver with wide views and VDV-compatible ergonomic driver cabin.

Comfort and Technology Comes Together

Heated driver seat, heated windshield, digital dashboard and cruise control are only a few of the details that make e-ATA essential.



Take Control

Without having to take your eyes off the road, monitor a wider angle with camera-mirrors placed at your eye level. The wide angle rearview allows you to easily maneuver in narrow streets and have a clear vision during the night.

Illuminating the blind spots where the human eye is unable to see, ADAS system assures you of a safe journey. Cameras and warning screens placed at critical points allow you to see passengers, cyclists and any object in the blind spots.



Mirror Camera



Screen of Mirror Camera



ADAS - Advanced Driving Assistant System - Mobileye



Comfort During the Entire Journey

Have a quiet journey with e-ATA's spacious interior, wide panoramic view, fabric or plastic passenger seats, and electric motor! Feel the comfort after taking the step into the full low floor e-ATA.

Uninterrupted Driving in All Conditions

e-ATA's ultra low consumption electric hub motors ensure uninterrupted driving in all conditions. No matter how the weather is, e-ATA accompanies you along the way and covers more distance per less charge.

Who Desires an Advanced Comfortable Journey?

All you need in a tranquil journey is in e-ATA. Charge your smart phone with USB ports, sit back and enjoy the silence with the cityscape. Air purifier system will circulate air continuously and provide you fresh air all way long.

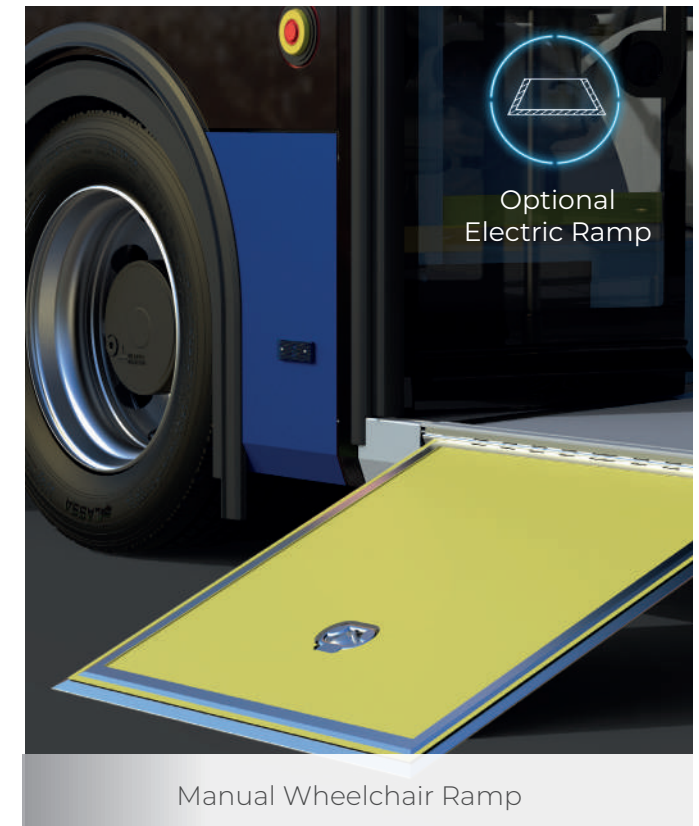
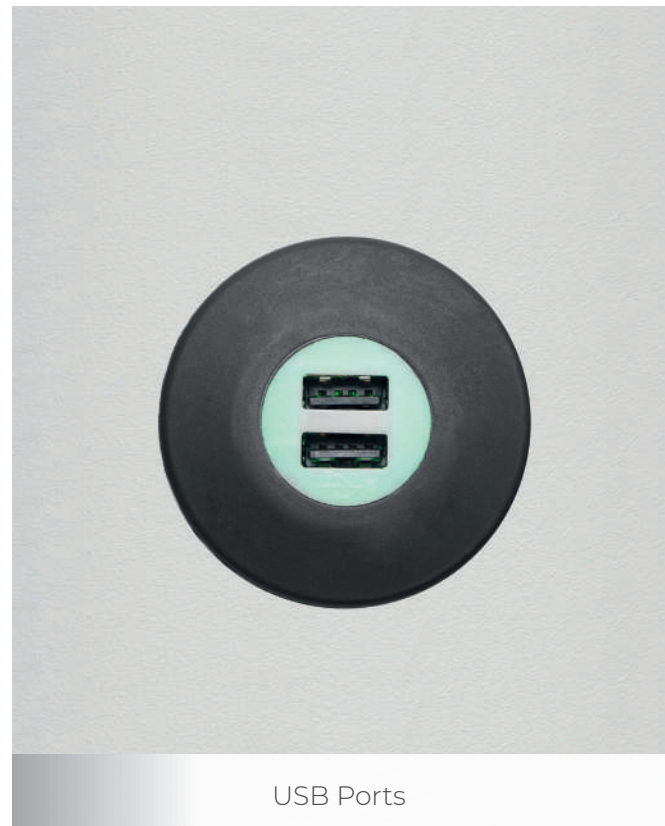
Listen To Your Heartbeat

e-ATA is so quiet that you can literally hear your heart beat. You'll feel refreshed.

Easy Access for Everyone

The AVAS system, which empowers this quiet ride, also creates an artificial external sound for peripheral awareness offering soft-visibility to impaired people, street animals and pedestrians on the way.

Low-floor e-ATA also provides seamless access between its front and back doors, allowing wheelchairs and strollers to get on and off easily.



A futuristic bus is shown from the rear, positioned in a dark, blue-lit tunnel. The tunnel is illuminated by several vertical light beams that create a sense of depth and modernity. The bus is dark-colored and features a digital display on the windshield showing the number '18'. On the rear of the bus, the word 'KARSAN' is visible on the left, and a logo consisting of two stylized 'K' shapes is on the right. Below the logo, the text 'e-ATA' is displayed. The overall atmosphere is sleek and high-tech.

ULTRA LOW CONSUMPTION

e-ATA considers future generations.
By eliminating pollutant gases to the nature, e-ATA offers ultra low consumption.



HIGH-PERFORMANCE WITHIN

Offering much stronger performance than diesel, e-ATA defies tough road conditions no matter how steep, narrow or bumpy. Providing 250 kW power and 22.000 Nm torque in 10 and 12 meter sizes and 500 kW power in 18 meter size, e-ATA offers superior traction power with its electric hub motor.



Range For A Full Day's Work

Complete a day on a single charge.

Ultra low consumption empowers e-ATA with a range of up to 450 km even in harshest conditions.

With multiple battery alternatives, customize e-ATA according to your battery needs.

No Obstacles On The Way

With a small turning radius, e-ATA can maneuver even in the narrowest streets easily. It's high-torque electric motor offers uncompromising power even on the highest ramps.





DURABILITY WITHIN

Durable, safe and cutting-edge LFP batteries will withstand years of daily use and ensure efficiency.

FLEXIBLE
BATTERY
LAYOUTS



FLEXIBILITY WITHIN

Tailored to the mobility needs of cities of future, e-ATA considers world resources.

Choose the battery pack your route needs, plug-in or pantograph charging compatible from 7 battery alternatives.

You won't need to wait for long hours to charge. e-ATA can fully charge in a few hours with DC charging up to 150 kW power.

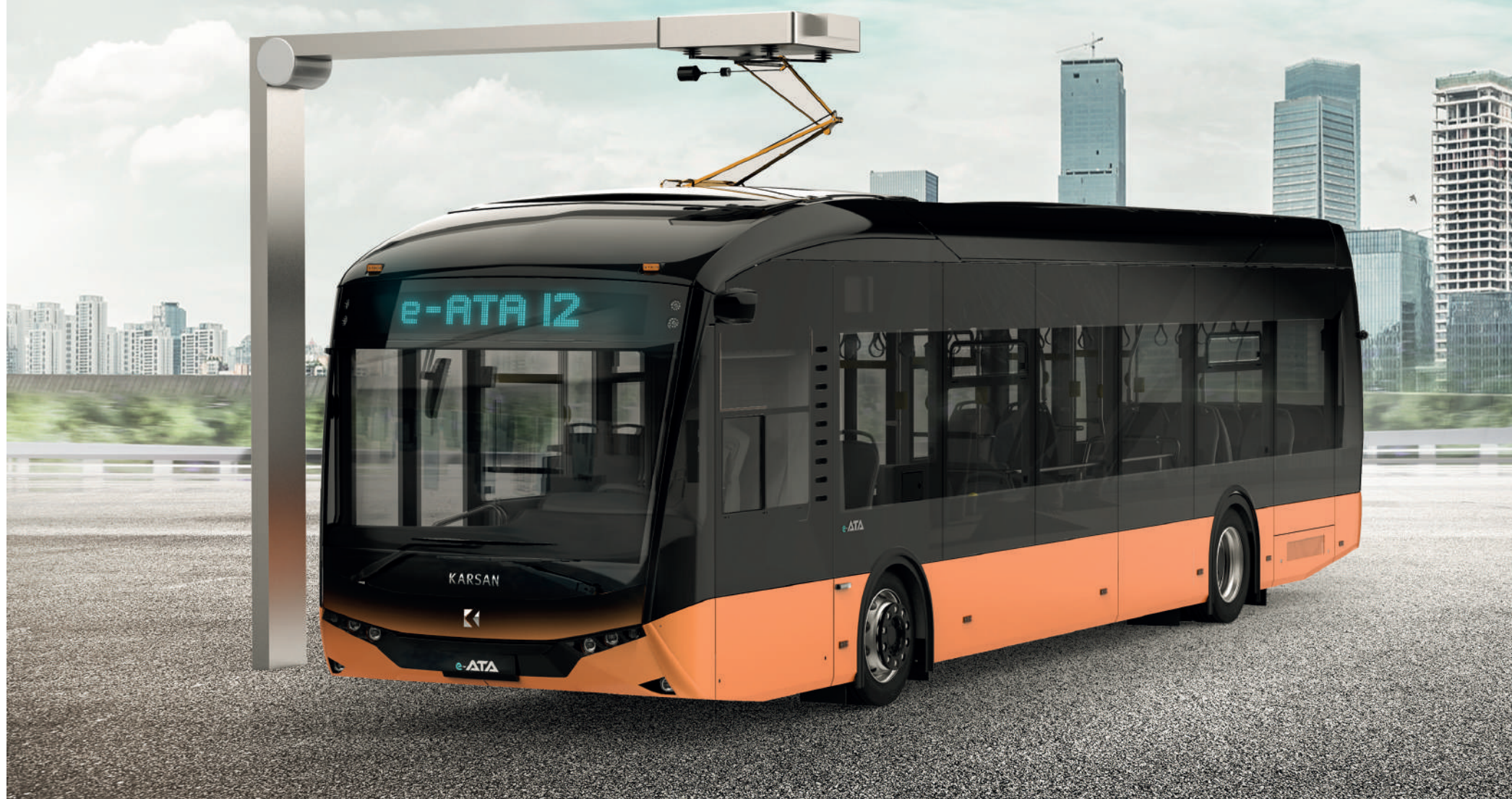


Charging Time

- e-ATA 10 : Up to 2 h 5 min.
- e-ATA 12 : Up to 3 h 10 min.
- e-ATA 18 : Up to 4 h 10 min.

Pantograph Option

Select the best for your needs among e-ATA's different battery pack options, and we will produce it for you. With different types of pantographs, fast charge your bus on the stops or in your garage.



CAPACITY WITHIN

Offering various alternatives to fit your requirements, e-ATA is challenging the standards with its large passenger capacity.



e-ATA 10
179
PASSENGER
CAPACITY

e-ATA 12
189
PASSENGER
CAPACITY

e-ATA 18
135
PASSENGER
CAPACITY

Doors To Safety

Get on and off the bus safely through inward opening doors, offered as 2, 3 or 4 door options.



SAFETY WITHIN

All measures are taken in e-ATA for a safe journey.

(EBS) ELECTRONIC
BRAKE SYSTEM

(HSA) HILL START AID

(ABS) ANTI-LOCK
BRAKING SYSTEM

(FARB) FRONT ANTI ROLL
BAR

(FDS) FIRE DETECTION
SYSTEM

(RGB) REVERSE GEAR
BUZZER

(RBS) REGENERATIVE
BRAKE SYSTEM

(ESP) ELECTRONIC STABILITY
PROGRAM¹

(ASR) ANTI-SLIPPAGE
SYSTEM



¹ESP can not be selected for e-ATA 18 meter.

BIG CITIES NEED EFFICIENCY

Ease of Maintenance

Thanks to 100% electric structure and the location of the hub motor, e-ATA outreaches diesel bus performance and provides easy maintenance.

To offer the maximum quality and durability, cataphoresis and sub-chassis coating is standard in all Karsan buses.



Easy
Maintenance





SAVE YOUR ENERGY

Karsan's Full Range Of 100% Electric Buses Are At Your Service, Now.

Expectations meet the ultimate solution with Karsan electric bus range, in all sizes from 6 to 18 meters. Discover Karsan e-bus range and save your energy.

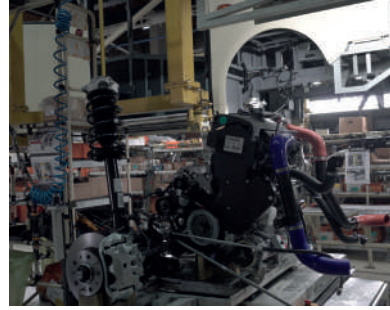
KARSAN.. FROM PAST TO PRESENT

1966



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

1981



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

2006



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



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

2021



Karsan expands its 10-12-18 meter bus range for urban transportation needs.



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

2019



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



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

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.

2011



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

2018



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



Karsan's factory, located in Hasanağa, Bursa, Turkey, having 90.000 m² of indoor space on a total area of 200.000 m², 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.



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.

TECHNICAL SPECIFICATIONS		e-ATA 10	e-ATA 12	e-ATA 18
VEHICLE TYPE				
Vehicle Category & Class	Full Low Floor Electric Bus, M3 Category, Class I, LHD			
POWERTRAIN SYSTEM				
Drive Type	Electric Portal Axle (Hub Motor)			
Maximum Power (kW)	250	250	500	
PERFORMANCE & ELECTRIC SYSTEM				
Range (km) ¹	300	450	400	
Max. Speed (km/h)	80			
High Voltage Battery (Type - Capacity) ²	LFP - Up to 299 kWh	LFP - Up to 449 kWh	LFP - Up to 595 kWh	
Charging Type	Plug-in DC Charger Pantograph (Optional)			
Charging Time ³	Up to 2 h 5 min. with Plug-in DC Charger	Up to 3 h 10 min. with Plug-in DC Charger	Up to 4 h 10 min. with Plug-in DC Charger	
BODY & SUSPENSION SYSTEM				
Body Type	Carbon Steel: Space Frame Steel Tube Structure			
Corrosion Resistance	Cataphoresis & Underbody Coating			
Front Axle	ZF RL 82 EC - Independent			
Central Axle	-	-	ZF AVE 130 - Electric Portal Axle	
Rear Axle	ZF AVE 130 - Electric Portal Axle			
Door Arrangement	2 or 3 Door Options	2 or 3 Door Options	3 or 4 Door Options	
Tires	275/70 R22.5			
Suspension	Air Suspension, Electronic Leveling, Kneeling Function			
Brake System	ABS, ASR, EBS, Regenerative Braking System			
WEIGHT & DIMENSIONS				
Gross Vehicle Weight (kg)	19.000 (19.500 Optional)	19.000 (19.500 Optional)	29.000 (28.000 Optional)	
Overall Length (mm)	10.750	12.220	18.300	
Overall Width (mm)	2.550			
Overall Height (mm)	3.250			
SEAT & PASSENGER CAPACITY				
Maximum Seat Capacity ⁴	32 Seats	40 Seats	52 Seats	
Passenger Capacity ⁵	± 79	± 89	± 135	

¹Under realistic conditions. Range may change with battery capacity and driving profile

²Different battery packs can be offered.

³With maximum battery capacity

⁴May change with door arrangement and seat layout

⁵May change with battery capacity, seat layout, door arrangement, GVW and technical gross axle value depending on country of registration.

EQUIPMENT FEATURES

STYLE

Exterior Design	e-ATA 10	e-ATA 12	e-ATA 18
LED Front & Rear Lights	S	S	S
LED Day Time Running Lamps	S	S	S
Front Fog Lamp	S	S	S
Cornering Lamps	O	O	O
3rd Stop Lamp*	O	O	O
Electrical and Heated Mirrors	S	S	S
Mirror Cameras	O	O	O
Light Tinted Color Side Glass	S	S	S
4 Transom Side Window	O	O	-
6 Transom Side Window	-	-	O
Double Glass Windows*	O	O	O
Heated Windscreen	S	S	S
Sliding Heated Driver's Window	S	S	S
Monocolor LED Destination Signs Preparation (Front + Side + Rear)	S	S	S
Monocolor LED Destination Signs (Front + Side + Rear)	O	O	O
Front & Rear 22.5" Steel Wheels	S	S	S
Wheel Nut Covers	S	S	S
Cataphoresis & Underbody Coating	S	S	S
Front & Rear Towing Hook	S	S	S
Flag Holder	O	O	O
Body Color: White	S	S	S
Special Body Color	O	O	O
Interior Design			
Anti-Slip PVC Floor Cover	S	S	S
Handrail Tubes, Stainless Steel	S	S	S
Handgrips	O	O	O
Stop Signs + Digital Clock + Temperature Indicator	S	S	S
Anchor Cable Type Emergency Hammer	S	S	S
Billboard	O	O	O
TECHNOLOGY			
Charging Infrastructure			
Pantograph*	O	O	O
Driver Compartment			
Full Digital Cluster	S	S	S
Rear Park Sensors	O	O	O
Tire Pressure Monitoring System*	O	O	O
Ticket Validator Preparation	O	O	O
Tachograph Preparation	O	O	O
Smart Tachograph	O	O	O
Cruise Control	O	O	O
Cup Holder	S	S	S
Coat Hook	S	S	S
Telematics System	O	O	O
FMS Socket	S	S	S
Passenger Compartment			
Passenger Counting System	O	O	O
Passenger Information System	O	O	O
Wi-Fi Infrastructure	O	O	O

Audio & Video Systems

MP3 Player + USB + Aux	O	O	O
Announcement System for Passenger Area	O	O	O
External Speakers*	O	O	O
Rear Camera	O	O	O
Roof Mounted Fixed 19" LCD Screen	O	O	O

COMFORT

Cooling & Heating

Passenger A/C with Heating Function	S	S	S
Driver A/C with Heating Function	S	S	S
Passenger Sidewall Heaters	S	S	S
Pre-heater	S	S	S
Vehicle Pre-Conditioning*	O	O	O

Driver Compartment

8-Way Pneumatic Driver Seat with 3-Point Seat Belt (ISRI)	S	S	S
Driver Seat with Heating Function	O	O	O
Isolated Cabin	S	S	S
Separated Driver Cabin with High Glass	O	O	O
Front Electrical Sun Visor (Driver)	S	S	S
Driver Side Window Electrical Sun Visor	S	S	S
Alcoholmeter*	O	O	O

Passenger Area

Plastic Type Passenger Seats	S	S	S
Plastic Type Passenger Seats with Upholstery	O	O	O
Backrest Totem and Wheelchair Designations	S	S	S
Manual Wheelchair Access Ramp	S	S	S
Electric Wheelchair Access Ramp*	O	O	O
USB on Sidewalls	S	S	S
Door Compress Prevention (Front Door)	S	S	S
Door Opening Button (Outside) (For Passenger)*	O	O	O
Door Opening Button (Inside) (For Passenger)*	O	O	O
Only Rear Side Door Inside Mirrors	O	O	O
Hand Luggage Area	O	O	O

SAFETY

ADAS - Advanced Driving Assistant System - Mobileye	O	O	O
ESP - Electronic Stability Program	O	O	-
AVAS - Acoustic Vehicle Alerting System	S	S	S
EBS - Electronic Brake System	S	S	S
ABS - Anti-Lock Braking System	S	S	S
ASR - Anti-Slippage System	S	S	S
RBS - Regenerative Brake System	S	S	S
HSA - Hill Start Aid	S	S	S
Front Anti Roll Bar	S	S	S
Rear Anti Roll Bar	S	S	S
Fire Detection System	S	S	S
Reverse Gear Buzzer	S	S	S
First Aid Kit - Red Cross	S	S	S

S: Standard O: Option

*Option can be offered during tender process.

Authorized Dealer



All information and images included in this brochure are based on the technical specifications that are applicable on the printing date of the brochure.
All features provided are standard or optional depending on different versions of the vehicles. In the scope of continuous product improvement policy, Karsan always reserves its right to make changes in the specifications without providing any notification to third parties. This brochure does not constitute an offer to sell vehicles.