

# ELECTRIC BUSES IN SHORT SIZE



Karsan focuses on battery-powered drive with the Jest Electric. Mass production will start in November and in 2019 the Atak will be electrified in partnership with BMW

Also the Turkish manufacturer Karsan diversifies the offer with zero emission models. The Jest Electric, the 'short' city bus now in eco-friendly version, has been launched on the market. Mass production will start in November for European custo-

mers. It was exhibited at the IBE in Rimini and then on the BMW test circuit in Munich together with the i3 and i8 electric cars by BMW. And not by chance, since the German company is a partner of Karsan for both the Jest Electric and the Atak Electric, also pre-



	Jest Electric	Atak Electric
Length mm	5,845	8,154
Width mm	2,055	2,436
Height mm	2,800	3,060
Wheelbase mm	3,750	4,580
Front overhang mm	1,200	1,955
Rear overhang mm	895	1,619
Seats max	10+1H	21+1H
Total passengers max	21	57
Electric motor	BMW	TM4
Max Power/Torque kW/Nm	125/290	230/2,400
Battery type	BMW Li-ion	BMW Li-ion
Total capacity	360V - 33, 44, 66, 88 kWh	360V - 220 kWh
Recharging system AC	7.4 kW	44 kW
Recharging time	6-8 hours	8 hours
Recharging system DC	50 kW	Combo 2, 80 kW
Recharging time	40-110 min	2,5 hours
Tires	215/75 R 16C	225/75 R 17.5
GVW kg	5,000	11,000

sent in Munich but only as a prototype. The Jest Electric is a 5,845-mm single-door bus with a lowered front section. It can accommodate up to 21 passengers with 10 seats and a wheelchair area. On board, it features 10.1-inch multimedia screen, digital instrument panel with keyless go, USB plugs and Wi-Fi compatible infrastructure (available on demand). The independent suspension system is on four wheels. It is powered by a 125-kW BMW electric motor with a single-speed transmission. As standard, it can be equipped with 33, 44, 66, and 88 kWh lithium-ion batteries. It offers a range of up to 210 km. The vehicle can be recharged in 6/8 hours with traditional AC charger and

in 40/110 minutes in fast mode. The batteries can recharge themselves up to 25%, thanks to the regenerative braking system that provides energy recovery. «We will be delivering Jest Electric orders from Romania, Portugal, Spain, Slovakia and France soon», said Okan Baş, CEO of Karsan. «European countries show great interest for Jest Electric, which differs from its competitors both for its original size and technology». The Atak Electric is larger (it is 8.1 meters long and can accommodate 57 passengers) and is powered by a 230-kW TM4 electric motor and is equipped with five 44-kWh BMW batteries. The declared range is 300 km. Mass production will start from mid-2019. ●