

TECHNICAL DATASHEET

IKARUS 120e HEALTHCARE BUS

Designed for offering innovative, high-quality, safe and non-fixed healthcare services where options for base and outpatient care are limited.

INTERIOR DESIGN	Separated medical care room, staff changing room and driver's/passengers' compartment
MEDICAL CARE ROOM	Wheelchair ramp
	Treatment chair - blood collection chair
	Examination bed
	Medical chair for the doctor
	Washbasin with hot and cold water supply, with a medical tap, 70 liters of clean water. The built-in materials and components ensure that the domestic water is suitable for human consumption in the long run.
	Curtained space – changing room for patients
	Laboratory refrigerator
	Different sized cupboards for medical devices, medicines, etc., equipped with suitable shelves
	Administration desk with swivel chair attached to the ground and with shelving system above the desk
	230 V electric sockets
	The electrical fittings in the test room have an antimicrobial surface and are suitable for medical use.
	3 disinfectant dispensers
	3 folding seats for the staff
	WIFI router with LTE Multiband modem and 2 antennas.
Alarm system	
STAFF CHANGING ROOM	Separated clean (green) and infected (gray) changing cabins
	The changing room with two cabins separates the passenger compartment from the medical care room. Due to the fact that the air in the passenger compartment and the medical care room is separated, the vehicle can also be used safely in the event of an epidemic
	Four lockup cupboards for the staff's dresses
	Container with folding lid for storing infectious clothes in the gray changing cabin
	Disinfectant dispensers
DRIVER'S/PASSENGERS' COMPARTMENT SPECIALS	2 passenger seats
	Toilet with ventilation, own water and sewage tank. Washbasin with hot and cold water supply.
	Staff food refrigerator
	230 V electric sockets
	USB sockets
	Lockup cupboard for the staff's overcoats
GENERAL DESCRIPTION	Net weight of the vehicle: 13 800 kg
	Maximum payload: 4 800 kg
	Maximum gross weight: 18 600 kg
	Length: 12 000 mm
	Width: 2 550 mm
	Height: 3 270 mm
	Outer diameter of turning circle: max. 24 m
	Maximum kinematical speed: ~85 km/h
	Speed limited to: 70 km/h
MOTOR	Permanent magnet synchronous motor (t-DRIVE-MD2021)
	165/240 kW (normal/maximum performance)
	Sustained torque: 955 Nm (1650 n/min)
	Maximum torque: 3200 Nm (until: 700 n/min)
REES SYSTEM	CATL (580 V / 542 Ah / 314.14 kWh)
	One charging port, according to IEC 62196 –3 standards, via CCS type 2 Combo connector with 100 kW peak performance.
	All battery compartments are equipped with automatic fire extinguisher system.
BRAKE SYSTEM	Dual circuit KNORR air braking system with disc brakes on the front and rear axle. The material of the brake pad is asbestos-free. The brake system is equipped with EBS (KNORR type).
BODY STRUCTURE	1.4301 MSZ EN 10088 quality standard austenitic corrosion-proof steel
PASSENGER DOORS	Arrangement: 2-2-2
	Free opening width: 1200 mm
HEATING/COOLING SYSTEM	Medical care room: Heating/cooling air conditioning (30/20 kW), and an extra electric heating system (20kW)
	Driver's/passengers' compartment: Air conditioner (4kW) and an extra heating system (2 kW)
RAMP	At the 2nd door ramp access for wheelchair
AUTOMATIC FIRE EXTINGUISHER	Fire extinguisher (self-activating)
	Complete fire protection for the battery compartments of the electric vehicle