

# TECHNICAL DATASHEET

## IKARUS 120e



Net weight	12 500 kg
Maximum payload	6 100 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
Seated passengers (3 doors)	28 + 2 people
Seated passengers (2 doors)	33 + 2 people
Included space for wheelchair	1 person
Standing passengers (3 doors)	55 people
Standing passengers (2 doors)	50 people
Sum of passengers and driver	86 people
ACCESSORIES	USB sockets
	WIFI router with LTE Multiband modem and 2 antennas
	Optional: 12V or 24V sockets
	Optional: tool box above front axle
PASSANGER INFORMATION	LED electronic route guidance system with digital voice announcement
	Direction indicator front: LED Front 19x160
	Direction indicator side: LED Front 19x160
	Rear direction indicator: LED Front 19x40
	Interior information: TFT monitor
	Optional: any brands as customer requires
CAMERA SYSTEM	Camera system, MDVR recorder,
	5pcs indoor AHD cameras, 1 pc reversing AHD camera, 7" monitor, GPSB-1 antenna
	Optional: any brands and quantity as customer requires
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)
STEERING SYSTEM	ZF (BOSCH) 8098, Hydraulic steering system with electro-hydraulic pump
	Adjustable steering-column
	ACTIA Podium 2 dashboard with articulated steering column, adjustable at height and angle
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)
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
BODY STRUCTURE	1.4301 MSZ EN 10088 quality standard austenitic corrosion-proof steel
PASSENGER DOORS	Arrangement: 2-2-2 or 2-2-0
	(Free opening width: 1200 mm)
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