

Annex 1 for Technical specifications (F4.1)

Technical specifications of King Long B12 bus

| No. d/o | Name of item | Technical specifications of King Long B12 bus |
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| 1 | General characteristics | |
| 1.1 | Year of manufacture | 2021 |
| 1.2 | Vehicle category | M3, Bus for passenger transport on urban and suburban routes, at an ambient temperature of minus 35 ° C up to +45 ° C |
| 1.3 | Ecological class | Euro 5 |
| 1.4 | Total capacity, passengers | 101 |
| 1.5 | Seating capacity | 26 + 1 place for a wheelchair + driver |
| 1.6 | Landing climb supported by the bus with the maximum permissible load, not less than | 36 % |
| 1.7 | Turning radius | 12,5 m |
| 1.8 | Traction axle | Rear |
| 1.9 | Wheel formula | 4x2 |
| 1.10 | Tires | without a camera |
| 1.11 | Overall dimensions: - length, mm - width, mm - height, mm | 12180 2550 3100 |
| 1.12 | Clearance (ground clearance), mm | 130 |
| 1.13 | Floor level, mm | 340 |
| 1.14 | Floor level when activating the kneeling system at stations, kneeling mm | 270 |
| 1.15 | Floor level | Lowered floor along the entire length of the bus |
| 1.16 | Fuel tank capacity | 300 liters |
| 2 | Bus body | |
| 2.1 | Body type | Bus body treated with high end anti-corrosion processing. The compartments are joined by welding and ensure the durability and rigidity of the bus, lined with steel sheet, with a base in the form of a lattice structure. |
| 2.2 | Number of doors | Three doors with double swing. Moving the bus with the doors open is not allowed. Doors are only be allowed to open only if the bus is completely stopped, subsequent movement of the bus is possible after the doors have been completely closed. |
| 2.3 | Flooring | Resistant to wear and putrefaction |
| 2.4 | Floor covering | Waterproof, made of non-slip fabric, resistant to fretting wear. The cover is also laid under the seat fasteners. |
| 2.5 | Passenger compartment of the bus | Equipped with a sufficient number of bars for the maximum safe |



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| | | <p>transport of passengers, with 4 surveillance cameras inside (one of which is supervising the driver and three are installed in the passenger compartment of the bus according to the layout provide by the client) and 4 outside (between which two front-rear cameras and two right-left side cameras), the information on the 8 surveillance cameras is stored on a HDD with a capacity of 1Tb</p> <p>Equipped with audio-video information equipment for passengers, two monitors with the possibility of video playback; mechanical, foldable hatch for the access of people with reduced mobility.</p> <p>Equipped with a button to signal the intention to operate the ramp located both outside and inside and on board signaling for the driver.</p> <p>Inside the bus there are at least 3 buttons, located on the support bars in the direction of each door in order to signal the intention to get off the bus to the driver.</p> <p>The driver signaling is visual as well as auditory. There is the possibility of connecting passenger counting equipment and GPS system.</p> |
| 2.6 | Passenger seats | Anti-vandal, semi-rigid with anti-trauma handle. |
| 2.7 | Ventilation and heating system: | <p>Air conditioning system with a power of not less than 30KW. The air conditioning system warranty is not less than the general bus warranty.</p> <p>The electronic control unit of the AC system can perform the following functions:</p> <ul style="list-style-type: none"> a. Climate control function b. Possibility to change the temperature automatically or manually c. Possibility to change the rotation speed of the fans automatically or manually d. Possibility of managing the fresh or indoor air damper automatically or manually e. Diagnostic and visualization function of errors related to the AC system f. Visualization of indoor and outdoor temperature g. Visualization of the number of hours worked by the AC system <p>2 hatches on the roof of the bus.</p> <p>At least 4 vent windows.</p> <p>Driver's cab heating - autonomous heating (preheater with a minimum power of at least 24 KW).</p> |
| 2.8 | Driver's cab | Driver's cab is separated from the passenger compartment by a partition wall but with the driver's exit is in the passenger |



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| | | <p>compartment of the bus, so that passengers can enter or exit through both front swing doors of the bus. The bus is equipped with ventilation through the side window, air conditioning and window for money.</p> <p>Driver's seat - pneumatic suspension with seat cushion height adjustment, longitudinal position, backrest tilt angle. Triplex windshield, with anti-glare effect.</p> |
| 2.9 | Exterior rearview mirrors | With heating and electric drive, covered with screen against blinding light. |
| 2.10 | Information system | Electronic informant (front, side, rear, passenger compartment) on board with the dissemination of information from the stick or analog device, inside informant with microphone, speakers, electronic control unit. The system can store up to 999 routes, the number of stations stored for each route is not less than 999 |
| 2.11 | Towing device | The bus is equipped with a front and rear towing device |
| 2.12 | Bus windows | The exterior windows of the bus are installed by gluing with a heat-repellent effect. The interior and exterior windows are transparent. |
| 2.13 | Color of the bus | Sky blue, turquoise - the final color can be discussed with the client |
| 3 | Technical specifications | |
| 3.1 | Engine | Four-stroke turbocharged diesel engine. The engine compartment is equipped with a fire-fighting system. Dongfeng Cummins ISL320 51 |
| 3.2 | Cooling system | Closed type liquid |
| 3.3 | Engine power, kW | 232 kW |
| 3.4 | Gearbox | Automatic Allison T375R with maximum 6 speeds and retarder. |
| 3.5 | Front axle | Dependent Dongfeng |
| 3.6 | Rear axle | Rear axle of crankcase type with reduction gear. Dongfeng |
| 3.7 | Front suspension | Dependent, with two airbags, two hydraulic shock absorbers and air level regulator |
| 3.8 | Rear suspension | Dependent, with four airbags, four hydraulic shock absorbers and air level regulator |
| 3.9 | Steering equipment | Bosch 8098, Integral type, adjustable steering column, anti-traumatic. |
| 3.10 | Braking system | Pneumatics, with front-rear discs, with separate action of the front and rear axle, ABS, ASR system. Parking braking system ensuring maximum parking load for an infinite period of time. |
| 3.11 | Electrical equipment | Batteries – 2x200Ah |
| 3.12 | Additional specifications | Equipped with spare wheel, jack, anti-skid support under wheels, two fire extinguishers of at least 6 kg (including one in the driver's cab and one in the passenger compartment of the bus), |



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| | | 1 liter of paint for each bus, operation manuals for the bus and for the air conditioner, maintenance and repairs, parking sensors, reversing view camera, reversing alarm, displaying the time in the bus passenger compartment and driver's cab, spare parts catalog for all bus components, 3 bus diagnostic computer including the necessary cables and software for the entire lot of 100 units. It is also possible to diagnose the bus units and its systems (OBD connector), centralized lubrication system, automatic body tilt system - kneeling function. |
| 3.13 | Service during warranty | The service of the bus will be provided at own expense throughout the warranty period according to the manufacturer's regulations: exchange of lubricants, filters, belts, service of air conditioners, other necessary parts and consumables (the estimated average annual mileage of a bus will be 80,000.00 km); will ensure the development of service activities and remediation of bus malfunctions that fall under the warranty rules in an authorized service center in Chisinau municipality; will ensure on its own account a sufficient stock of parts and materials, including consumables necessary for the repair of malfunctions. In addition to mentioned above, on-site support and technical training by King Long representative will be provided for required period of time. |
| 3.14 | Warranty period | 61 months for all bus aggregates, mechanisms and components 6 years for the body's anti-corrosion warranty The warranty is provided according to King Long Overseas Warranty Policy |

