

Anexa A la Termenii și condițiile de livrare

Detalii specifice și standarde tehnice

LOT: "Congelator pentru laborator (Ultra Low-freezer), vertical, 680-750 L, - 50-86 °C":

| | Specificatii tehnice solicitate | | Specificatii tehnice oferite |
|----|---------------------------------|--|--|
| | Model | | K64 HPL KW |
| | Producător | | |
| | Cod produs | | K64HPL |
| ١. | Description of function and use | | |
| | Main function | Congelator pentru laborator (Ultra Low- freezer), vertical, 680-750 L, - 50-86 °C// Vertical Deep Freezer - 50-86 °C, 680-750L, with 3 racks suitable for use in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, biological products, etc. Suitable for use in research institutions, hospitals, the health & disease prevention system, laboratories, etc. | Congelator pentru laborator (Ultra Low-freezer), vertical, 708 L, - 40-86 °C// Vertical Deep Freezer - 40-86 °C, 708L, with 3 racks suitable for use in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, biological products, etc. Suitable for use in research institutions, hospitals, the health & disease prevention system, laboratories, etc. |
| П. | Main specifications | · | |
| | Temperature range: | 50 °C - 86 °C. | 40 °C - 86 °C. |





| Configuration: | - Vertical. | - Vertical. |
|------------------------|--|--|
| Capacity: | - 680 -750 L. | - 708 L. |
| Externa Door: | - 1 external door. | - 1 external door. |
| | - Lockable door, with key lock. | - Lockable door, with key lock. |
| Shelfs: | - 3 pieces, closed with a freezing flap | - 3 pieces, closed with a freezing flap |
| Wheels: | - Equipped with 4 wheels, to be easily moved. | - Equipped with 4 wheels, to be easily moved. |
| | - Adjustable feet for levelling. | - Adjustable feet for levelling. |
| Interior Material: | - Stainless steels. | - AISI 304 Stainless steel. |
| External Material: | - Cold-rolled steel with anti-corrosive coating. | - Cold-rolled steel with anti-corrosive coating. |
| Temperature display: | - Digital. | - Digital. |
| Screen: | - LED. | - LED. |
| | - Graphic display. | - Graphic display. |
| | - Acoustic. | - Acoustic. |
| | - Visual - High and low temperature. | - Visual - High and low temperature. |
| Alarm System: | - Door open. | - Door open. |
| - - | - Power failure. | - Power failure. |
| | - Voltage abnormal. | - Voltage abnormal. |
| | - Ambient temperature abnormal. | - Ambient temperature abnormal. |
| Alarm setting options: | | |
| | - Maximum temperature limit. | - Maximum temperature limit. |
| | - Minimum temperature limit. | - Minimum temperature limit. |
| Internal battery for | + | |
| alarm and alarm data | | |
| retention: | - Yes, minimum 48 hours. | - Yes, 48 hours. |
| Cooling system: | - Ventilated or static. | - Static |

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| | Refrigerant: | - Without CFC / HCFC. | - Without CFC / HCFC. (R1270 and R170) |
|------------|---------------------------------|--|---|
| | Noise level: | - ≤ 60 db. | - 52 dB |
| ш. | Electricity requireme | nts | |
| | Supply voltage: | 230 ± 10 V Voltage and plugs type adapted to meet the requirement of electrical system in Moldova. | 230 ± 10 V Voltage and plugs type adapted to meet the requirement of electrical system in Moldova. |
| | Frequency: | - 50/60 Hz. | - 50 Hz. |
| IV. | Documentation | | |
| | Manufacturer's certificate | ISO 13485:2016 - Quality Management Systems for Medical Devices – mandatory. CE Marking - Indicating compliance with European Union regulations and directives related to medical devices. | ISO 13485:2016 - Quality Management Systems for Medical Devices – mandatory. CE Marking - Indicating compliance with European Union regulations and directives related to medical devices. |
| | Quality and safety standards | EU Electrical Safety Standards Compliance: EN 60601-1: Medical Electrical Equipment - General Requirements for Basic Safety and Essential Performance IEC 61010-1: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use EN 55014 - Electromagnetic compatibility. Protection class (in accordance with EN 60529). | EU Electrical Safety Standards Compliance: EN 60601-1: Medical Electrical Equipment - General Requirements for Basic Safety and Essential Performance IEC 61010-1: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use EN 61326-1 - Electromagnetic compatibility. **EN55014 is not applicable to this type of freezers **EN 60529 standard is not applicable to this type of freezers |
| v . | Accessories | | |
| | Freezer racks | | |
| | Quantity | - 12 | - 12 |

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| External dimensions | To be compatible with the internal size of the freezer | - Compatible with the internal size of the freezer |
|---------------------------------------|--|---|
| Internal dimensions | - To be compatible with freezers box 133*133*52 mm | Compatible with freezers box 133*133*52 mm (each rack is able to accommodate up to 25 cryoboxes of dimensions 133x133x52 mm) |
| Material | Made of corrosion-resistant stainless steel, it can be frozen and thawed repeatedly and stored for a long time. | - Made of corrosion-resistant AISI 304 stainless steel, it can be frozen and thawed repeatedly and stored for a long time. |
| Operation, mainter | nance and installation | |
| Operation and maintenance manual: | At least one set of operation, maintenance and service manuals for each equipment. The manuals to include instructions for: setting up the equipment routine cleaning and maintenance planning for periodic maintenance. | One set of operation, maintenance and service manuals for each equipment. The manuals to include instructions for: setting up the equipment routine cleaning and maintenance planning for periodic maintenance. |
| Language of documentation: | Written in United Nations languages: at least in English and mandatory in Romanian. | Written in United Nations languages: at least in English and in Romanian. |
| Installation and maintenance: | The bidder must arrange for the equipment to be installed by certified or qualified personnel. Any prerequisites for installation will be communicated to the beneficiary in advance, described in detail in written form. The bidder will provide a comprehensive maintenance plan. The cost of the maintenance plan to be defined and guaranteed over the period of warranty. The supplier will provide an after-sale service. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace within 14 days. | The equipment will be installed by certified or qualified personnel. Any prerequisites for installation will be communicated to the beneficiary in advance, described in detail in written form. A comprehensive maintenance plan will be provided. The cost of the maintenance plan to be defined and guaranteed over the period of warranty. The supplier will provide an after-sale service. The service to have competent staff, adequate infrastructure and sufficient spare parts to be able to respond to any complaints and to repair or replace within 14 days. |
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| Training: | - The bidder will provide user training (including | - | User training (including how to use and maintain the equipment) will be provided. |
|-----------------------------|--|---|--|
| | how to use and maintain the equipment). | | |
| Standard maintenance tools: | - All standard accessories, consumables and parts | - | All standard accessories, consumables and parts required to operate the equipment, including all |
| | required to operate the equipment, including all | | standard tools and cleaning and lubrication material, are included in the offer. |
| | standard tools and cleaning and lubrication | | |
| | material, to be included in the offer. | | |
| | Bidders to specify the quantity of every | | |
| | item included in their offer (including items | | |
| | not specified above). | | |
| Concernantes | - Each assembled equipment to be accompanied by | - | Each assembled equipment will be accompanied by an authorized list of spare parts needed for the |
| Spare parts: | an authorized list of spare parts. | | operation according to manufacture recommendations. |
| Warranty: | - At least 3 years . | - | 3 years. |
| | - The equipment offered, including its power | - | The equipment offered, including its power supply, is designed and constructed to operate properly |
| Remarks above: | | | and continuously in the conditions of the Republic of Moldova. |
| | properly and continuously in the conditions of the | - | The equipment can tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 10–40 |
| | Republic of Moldova. | | °C, fungi, and spikes in the electricity supply. |
| | - The equipment may need to tolerate high | | |
| | humidity (as high as 90% at 35 °C), ambient | | |
| | temperatures of 5–40 °C, fungi, and spikes in the | | |
| | electricity supply. | | |
| | Standard maintenance tools: Spare parts: Warranty: | Standard maintenance tools:-All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication material, to be included in the offer. oStandard maintenance tools:-Bidders to specify the quantity of every item included in their offer (including items not specified above).Spare parts:-Each assembled equipment to be accompanied by an authorized list of spare parts.Warranty:-At least 3 years .Remarks above:-The equipment offered, including its power | Iraining:how to use and maintain the equipment).Standard maintenance tools:-All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication material, to be included in the offer. o Bidders to specify the quantity of every item included in their offer (including items not specified above).Spare parts:-Each assembled equipment to be accompanied by an authorized list of spare parts.Warranty:-At least 3 yearsThe equipment offered, including its power supply, to be designed and constructed to operate properly and continuously in the conditions of the Republic of MoldovaRemarks above:-The equipment may need to tolerate high humidity (as high as 90% at 35 °C), ambient temperatures of 5–40 °C, fungi, and spikes in the |

Toate bunurile vor fi testate de beneficiar. Acceptarea bunurilor și semnarea actelor de recepție va avea loc după testarea pozitivă efectuată de beneficiar.

În calitate de ofertant, confirmăm prin semnătura noastră de mai jos, că ne asumăm responsabilitatea pentru informațiile prezentate în cadrul acestei achiziții.

NUMELE FURNIZORULUI Lokmera S.R.L.

Semnătura și ștampila autorizate

Locul: Chişinău

Data: 08.05.2024

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