OTM-36 - Neonatal incubator

**Description**

*Mobile neonatal incubator for low weight babies in-hospital support.*

**Reference Picture**



| Brand / Marque | |  | |
| --- | --- | --- | --- |
| Model / Modèle | |  | |
| Model code as per manufacturer classification / Numéro de référence du produit fournisseur | |  | |
| Manufacturer name / Nom du Fabricant | |  | |
| Manufacturing site / Site du Fabricant | |  | |
| Country of manufacturing / Pays de fabrication | |  | |
| Country of origin / Pays d'origine | |  | |

|  | **UNOPS Minimum technical requirements // Exigences techniques minimales de l'UNOPS** | **Complies (Yes/No) // Conforme (Oui/Non)** | **Comments/ Technical data //**  **Commentaires/Données techniques** |
| --- | --- | --- | --- |
| **A** | **Functionality and Performance / Fonctionnalité et performances** |  |  |
|  | **General description** |  |  |
| 1 | Microprocessor controlled equipment. |  |  |
| 2 | Double wall transparent shield. |  |  |
| 3 | Mobile equipment with at least 4 castor anti-static and rust-free wheels and two brakes. |  |  |
| 4 | Completely tip-up frontal access hatch. |  |  |
| 5 | At least four (4) access doors with covers and at least six (6) separate tubing ports with related covers. |  |  |
| 6 | Equipment integrated X-ray tray. |  |  |
| 7 | Facility to mount IV pole device. |  |  |
| 8 | Patient removable bed/mattress not smaller than 50 cm (length) x 30 cm (wide). |  |  |
| 9 | Mattress made of a material flame retardant, washable, antibacterial and resistant to corrosion. |  |  |
| 10 | Integrated humidifier with humidification range not lower than 40-70%. |  |  |
| 11 | Integrated oxygenation module. |  |  |
| 12 | LCD/TFT Digital easy to read display with indications about all parameters monitored. |  |  |
| 13 | Monitoring and controlling at least the following parameters:   * + Air temperature;   + Skin temperature (servo-controlled). |  |  |
| 14 | Auto-calibration of measurement circuits. |  |  |
| 15 | Skin temperature control range: not smaller than from 35° to 37°C with resolution not higher than 0,1°C. |  |  |
| 16 | Air temperature control range: not smaller than from 28° to 37°C with resolution not higher than 0,1°C. |  |  |
| 17 | Internal equipment noise less than 60 db. |  |  |
| 18 | Audio and visual alarms for at least:   * + High/low Air temperature.   + High/low Skin temperature (if more than ± 1º C in respect of pre-selected temperature);   + Fan failure;   + Power failure;   + Temperature probes failure;   + Low battery. |  |  |
| 19 | Water tank capacity not less than 1 liter. |  |  |
| 20 | Oxygen bottle holder. |  |  |
| 21 | Empty oxygen bottle of approximately 10 liters, 200 bars, portable and provided with at least the following accessories: flux meter, humidifier and oxygen tubes; |  |  |
| 22 | One high-pressure regulator with flow control valves used to maintain a pressure of 50 psi and provide a variable oxygen flow rate:   * + Type of connector to be defined with the purchase order.   + Compact size, lightweight and durable metal body.   + Impervious to chemical solutions normally used in a clinical setting.   + Dial type, without flow tube.   + Easy to read, with large numbers for easy flow adjustments.   + Capacity of at least 0-25 l/min with at least the following increments: 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25 l/min |  |  |
|  | **Electrical characteristics** |  |  |
| 1 | Electrical requirements: power source 220V+/- 10%, 50/60 Hz, single phase, connection type F plug. |  |  |
| 2 | Protections against over-voltage and over-current line conditions. |  |  |
| 3 | Rechargeable batteries with at least the following characteristics:   * + automatic switch from electric-line mode to battery operating mode and vice-versa;   + continuous working time in battery operating mode and standard external conditions not less than 1 hour;   + integrated batteries charger and low battery alarm. |  |  |
|  | **Accessories** |  |  |
| 1 | New-born head/body immobilizer. |  |  |
| 2 | Four (4) skin temperature sensors. |  |  |
| 3 | Two (2) air temperature sensors. |  |  |
| 4 | Fifty (50) air filters. |  |  |
| 5 | 20 neonatal face masks and 20 neonatal nasal cannulas. |  |  |
| **B** | **Certifications and post sales included in the offered price** |  |  |
| 1 | The Supplier, included in the offered price, will provide the post sales services described in the document “*OT-PS Type III post sales requirements for Medical Devices*”. |  |  |
| **D** | **ANY DEVIATIONS OR SUPERIOR CHARACTERISTICS MUST BE INDICATED BELOW // TOUTE DÉVIATION OU CARACTÉRISTIQUE SUPÉRIEURE DOIT ÊTRE INDIQUÉE CI-DESSOUS\* :** | | |
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