



The VM-BDOBE (B-48-2) is a three-function electro-hydraulic obstetric bed driven by Ti Motion (Taiwan) electric motors, with battery backup to maintain operation during power interruptions. Electric motor functions cover backrest adjustment ($0-70^{\circ} \pm 5^{\circ}$), height travel ($300\text{mm} \pm 30\text{mm}$ range), and Trendelenburg/reverse Trendelenburg tilt ($12^{\circ} \pm 2^{\circ}$). The epoxy-coated steel frame features ABS head and fold-down side boards, a 550 mm telescopic slide-away leg section with linear bearing control, and four 125 mm central-brake castors. Supplied with an 8 cm high-density sponge mattress, adjustable leg supports, hand grips, and large drain tray.

Three Electric Motor Functions with Battery Backup

The VM-BDOBE (B-48-2) obstetric bed uses Ti Motion electric motors sourced from Taiwan to drive all three primary functions: backrest articulation from 0 to 70° ($\pm 5^{\circ}$), height travel across a 300mm ($\pm 30\text{mm}$) range, and Trendelenburg/reverse Trendelenburg tilt to 12° ($\pm 2^{\circ}$). Battery backup is integrated into the electro-hydraulic system, maintaining full positional control during power interruptions — a critical safety feature in maternity environments where a patient cannot safely remain in an elevated or tilted position while awaiting mains restoration. Motor-driven positioning allows precise, repeatable adjustments by a single clinician without manual effort, reducing physical strain during prolonged labour management and enabling fine positional corrections during delivery, perineal assessment, and postnatal care.

Telescopic Leg Section, Mattress, and Obstetric Fittings

The B-48-2 features a 550 mm telescopic slide-away leg section controlled by linear bearing, exposing the perineal working area for delivery. Adjustable leg supports and a sliding grip holder accommodate different patient body sizes and clinical positioning requirements during second-stage labour. The 8 cm high-density sponge mattress is covered in artificial leather, providing a wipeable, fluid-resistant surface compatible with standard obstetric-grade cleaning protocols. Fold-down ABS safety side rails and an ABS head board provide structural protection with patient access from all sides. Hand grips are fitted for patient use during active labour contractions, and a large drain tray is included for fluid collection during and immediately after delivery.

Frame, Castors, and Clinical Suitability

The bed frame is steel with an epoxy powder-coat finish for corrosion resistance and durability under routine disinfection. Four 125 mm castors with central brakes allow ward repositioning and stable locking during delivery and procedure. The central brake system secures all four castors simultaneously from a single pedal, preventing unintended movement during active clinical use. Available in South Africa from Vital Medical, the VM-BDOBE suits public and private maternity wards, labour and delivery suites, and gynaecological procedure rooms where motorised bed control and battery-backed operation are required to meet patient safety and workflow standards.

Technical Specifications

Specification	Value
Model	B-48-2
SKU	VM-BDOBE
Type	Three-function electro-hydraulic obstetric bed
Frame	Epoxy-coated steel
Head/Side Boards	ABS engineering plastic, fold-down sides
Drive System	Electro-hydraulic with battery backup

Specification	Value
Motors	Ti Motion (Taiwan) electric motors
Backrest Adjustment	0–70° (±5°) — electric motor
Height Travel Range	300 mm (±30 mm) — electric motor
Trendelenburg/Reverse Trendelenburg	12° (±2°) — electric motor
Telescopic Table Extension	550 mm — linear bearing control
Mattress	High-density sponge, artificial leather, 8 cm thick
Castors	4 × 125 mm with central brakes
Leg Supports	Adjustable
Grip Holder	Sliding type
Hand Grips	Included
Drain Tray	Large, included
Overall Dimensions (L × W × H)	2000/1450 × 900/660 × 620/920 mm
Box Size	1700 × 960 × 800 mm
Estimated Weight	120 kg

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