

TECHNICAL ESPECIFICATION OF MOTORIZED CHAIR HEMOPREMIUM – MT-639

TECHNICAL NAME: Motorized Chair

COMMERCIAL NAME: Hemopremium Motorized Chair

MODEL: MT-639

PRODUCT TECHNICAL SPECIFICATIONS AND CHARACTERISTICS:

Hemopremium Motorized Chair – MT-639



Imagem meramente ilustrativa

**Structure**

Base constructed with rectangular tubing in carbon steel (SAE 1005 to SAE 1030), 50 × 30 × 2.0 mm thickness, with 3/16" thick steel plate.

Lifting articulations manufactured from round carbon steel tubing 40 × 20 × 2.0 mm and 5/16" thick steel plate.

Backrest and seat constructed with round carbon steel tubing (SAE 1005 to SAE 1030) Ø1" × 2.0 mm.

Armrests manufactured from rectangular carbon steel tubing (SAE 1005 to SAE 1030) 40 × 20 × 2.0 mm and 3/8" thick steel plate.

Retractable armrest for lateral exit.

Articulated headrest.

MIG and laser welding processes applied to ensure structural strength and durability.

Optional:

- Articulated armrests that follow the chair's movement;
 - Structure manufactured in stainless steel;
 - Structure manufactured in aluminum.
-

Wheels

Equipped with 4" (100 mm) diameter thermoplastic casters, providing floor protection, low noise during movement, and excellent load capacity of 100 kg per wheel.

Four swivel casters.

Optional:

- 3" diameter thermoplastic or zinc-plated wheels;
 - 4" diameter zinc-plated wheels;
 - 5" diameter thermoplastic or zinc-plated wheels;
 - 6" diameter thermoplastic or zinc-plated wheels;
 - 8" diameter thermoplastic or zinc-plated wheels;
 - 10" diameter thermoplastic or zinc-plated wheels;
 - Feet with plastic tips;
 - Two fixed casters and two swivel casters.
-

Brakes

The product is equipped with a simple rolling system with individual translation and rotation brakes, actuated by pedals on all four wheels.

Optional:

- Dual-tread rolling system;
 - Brakes on the two front wheels;
 - Brakes on the two rear wheels;
 - Brakes on two diagonal wheels;
 - Total and directional braking system operated by a single pedal.
-

Movements

Movement is performed through an electric system using three motors, characterized by oil-free operation, low noise, low energy consumption, and low maintenance cost.

Electrical system with protective fuses and emergency stop button, which activates or deactivates all chair movements.

Operation via wired remote control with 8 buttons.



Movements available through the control include: backrest, leg rest, bed position, chair position, height adjustment, and Trendelenburg.

Optional:

- Motors: 1, 2, 4, or 5 motors;
 - Controls: wired remote control with 2, 4, 6, or 10 buttons; control integrated into the upholstery; satellite supervisor; pedal-operated control integrated into the base;
 - Movements: reverse Trendelenburg (Proclive), Fowler, CPR, chair, stretcher, and chair position for facilitated patient exit.
-

Upholstery

Mounted on a reinforced structure with high-durability elastic webbing and laminated polyurethane foam with densities D-28 and D-28 Soft (softer), providing enhanced comfort, high shape recovery capacity, and long service life.

Optional:

- Foam densities: D-20, D-23, D-26, D-33, D-40;
 - Foam types: laminated, sectioned, soft, pyramidal, extra-soft, hard, viscoelastic.
-

Covering

Exclusive hospital-grade courvin upholstery with high resistance to fungi and bacteria. Manufactured with synthetic polyvinyl chloride (PVC) laminate, reinforced with 100% polyester, 0.8 mm thickness, and polyurethane finish. Waterproof, does not retain dust, and allows easy cleaning and asepsis.

Internal overlapping stitching for improved finishing.

Optional:

- Covering materials: courino, leather;
 - Stitching types: single, double, topstitched, overlock, and various decorative patterns.
-

Finish

Base fully finished in plastic (ABS/PSAI), ensuring resistance to impacts and breakage, as well as easy cleaning and asepsis.

Articulations without finishing.

Optional:

- Base without finishing;
 - Base with partial finishing;
 - Articulations finished in stainless steel for easy cleaning and asepsis;
 - Finishing materials: plastics (ABS/PSAI/PP/PE/others), carbon steel, stainless steel, aluminum, TS, MDF.
-

Painting

All carbon steel structures undergo chemical anti-corrosion treatment and electrostatic powder coating, cured in an oven at 220 °C to increase chemical resistance.

Optional:

- Stainless steel structure with high-gloss polishing, ensuring excellent asepsis;
- Antimicrobial paint in compliance with JIS Z 2801:2000, achieving over 99.9% bacterial reduction within 24 hours.

Optional Accessories

- Emergency stop button that interrupts all movements (Optional);
- Remote control holder under the right armrest (Standard);
- Remote control holder under the left armrest (Optional);
- Removable headrest cushion (Standard);
- Battery (Standard);
- Mobile phone and tablet holder (Optional);
- IV pole (Optional);
- Disposable items holder (Optional);
- Injection arm support with stainless steel shell and courvin covering (Optional);
- Injection arm support with polyurethane shell (Optional);
- Injection arm support in blow-molded/injection-molded plastic (Optional);
- Plastic cover for the chair (Optional);
- Plastic cover for armrests (Optional);
- Aluminum armrests (Optional);
- Support table (Optional);
- Meal table (Optional);
- Cup holder (Optional);
- Magazine holder (Optional);
- Reading light (Optional);
- Scale (Optional);
- Lifting column (Optional);
- Leg rest extension (Optional);
- Wi-Fi (Optional);
- Audio system (Optional);
- Mobile phone charging system (Optional);
- Analog Trendelenburg angle indicator (Optional);
- Analog reclining angle indicator (Optional);
- Analog leg angle indicator (Optional);
- Digital Trendelenburg angle indicator (Optional);
- Digital reclining angle indicator (Optional);
- Digital leg angle indicator (Optional);
- USB port (Optional).

PRODUCT TECHNICAL DATA

Movements

- Maximum Reclining Angle: 160° ~ 180°
- Maximum Leg Rest Angle: 80° ~ 90°
- Maximum Trendelenburg Angle: 12°
- Height Adjustment: 0.52 m ~ 0.72 m

Normal Position

- Length: 1.05 m x Width: 0.72 m x Height: 0.52 ~ 0.72 m

Optional

- Length: 0.70 ~ 1.20 m x Width: 0.50 ~ 0.90 m x Height: 0.30 ~ 0.90 m

Reclined Position

- Length: 1.80 m x Width: 0.72 m x Height: 0.52 ~ 0.72 m



Optional

- Length: 1.50 ~ 2.20 m x Width: 0.50 ~ 0.90 m x Height: 0.30 ~ 0.90 m

Load Capacity

- Maximum Working Load: 230 kg / Maximum Patient Weight: 200 kg

Optional

- Maximum Working Load: 180 kg / Maximum Patient Weight: 150 kg
- Maximum Working Load: 200 kg / Maximum Patient Weight: 170 kg

Electrical Information

- Input: 50 / 60 Hz; 100 – 240 VAC
- Output: 24 VDC
- Class: II

Design and Standards Compliance

The Hemopremium Motorized Chair project was developed in compliance with the following standards:

- ABNT IEC 60601-1:2016
- ABNT IEC 60601-1-2:2017
- ABNT IEC 60601-1-6:2020
- ABNT IEC 60601-1-9:2014
- ABNT NBR ISO 9001:2015
- ABNT NBR ISO 13485:2016

MANUFACTURER AND DISTRIBUTOR

Meta Móveis de Metais Ind. e Com. Ltda.
 Av. Elmar Arantes Cabral, SN, Quadra 07, Lote 34/36
 Parque Industrial Vice-Presidente José de Alencar
 Aparecida de Goiânia – Goiás – Brazil
 ZIP Code: 74.993-535
 Phone: +55 (62) 3282-9920
 CNPJ: 01.866.388/0001-70
 State Registration: 10.292.702-2
 FINAME: –

Date: Feb/2023	Rev.03	Prepared by: Artur Ferreira	www.metahospitalar.com.br
----------------	--------	-----------------------------	--