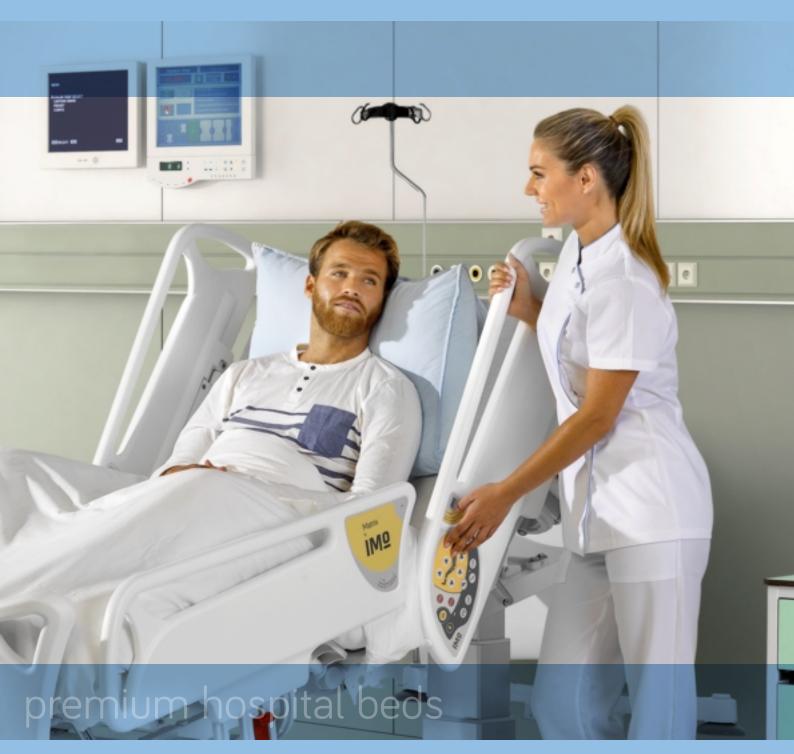
premium hospital beds

(944.E6) MATRIX E60







IMO



multiplatform controls

1. COMMANDE PORTABLE

Featured on IPX6 class type is washable. Highly shock resistant. Provided with a coil

Releases the above functions:

Back-Rest

Leg-Rest

Plaftorm Elevation

Trendelenburg / Anti-Trend.

Provided with LED to indicate: Battery charge level Selective Locking Functions.

2. SUPERVISOR CONTROL

Featured on IPX6 class type is washable. Placed on a footend drawer provided with a coil cable, can be placed on the footend board top.

Releases the above functions:

Back-Rest Leg-Rest

Plaftorm Elevation

Trendelenburg / Anti-Trend.

Auto Chair Flat

Auto CPR Shock

Provided with LED to indicate: Battery charge level Selective Locking Functions.

3. FOOT CONTROL

Auto CPR

Featured on IPX6 class type is washable. Bilaterally featured allows to control de bed on free hands for enhanced procedures and patient handling.

Releases the above functions: Auto Chair Platform Elevation

4. SIDE-RAIL CONTROLS

Featured on IPX6 class type are washable. Embedded on upper side-rails are composed by 3 controls activated by a GO button by safety purposes.

1 internal for patient 2 external for caregivers

Releases the above functions: Back-Rest

Leg-Rest Plaftorm Elevation Trendelenburg / Anti-Trend. Auto Chair Flat

Auto CPR

< 30° Back-Rest Alarm.

Provided with LEDs to indicate: Battery charge level Selective Locking Functions.









enhanced procedures



1. AUTO CHAIR

Automatic release by pressing a single button up to the body seated position (Cardiac Chair) to improve the respiratory function.



2. FLAT

Automatic release by preessing a single button up to the platform maximum height. Ensures an optimal ergonomics caregiver position for patient examinations and procedures.



3. SHOCK

Automatic release by pressing a single button up to maximum Trendelenburg position to revert hypoxia episodes in vital organs.



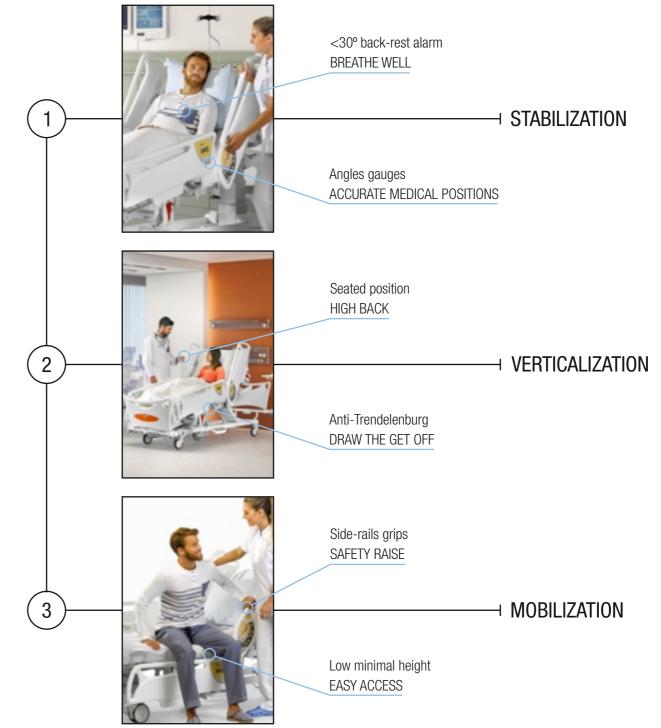
4. AUTO CPR

Automatic release by pressing a single button droping all bed articulations and driven the platform up to it minimum height ensuring a fair position to patient cardiopulmonary resuscitation procedure.



3 steps of early mobilization





shorter hospitalizations



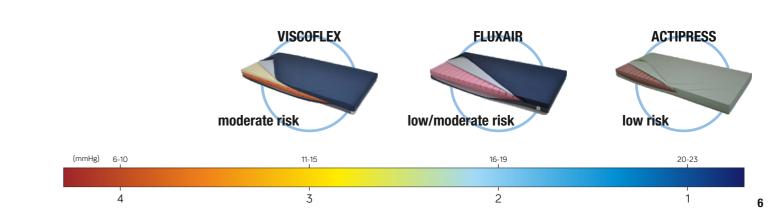
DOUBLE AUTO-REGRESSION

Platform articulations causes an harmful stress on the patient's abdominal and lumbar body areas.

On raising platform articulations a simultaneous synchronized sliding is released (100mm).

PRESURE ULCERS PREVENTION

Mattress platform double auto-regression of back/legs also provides a pelvic and sacro-iliac zone relief, a critical point on pressure sores development.



accurate safety



1. NIGTH LIGHT

Composed by 1 white LED + 1 blue LED.

Blue LED turns on when bed reaches minimal height indicating patient is placed on a safe position for a night sleep.

2. LOW MINIMUM HEIGHT

Bed mattress platform achive 390mm on it's minimum height facilitating the patient entrance and exit. Side-rails retract over the bed platform while folded to create a space clearance about patient legs and feet.

3. STANDARD EN 60601-2-52

The side-rails meet the standard EN60601-2-52. Prevent and avoid the risk of injuries on patient's accidental falls, by a lateral coverage high degree and components has adequate gaps to prevent body entrapping.

risk of falls







1. MANUAL CPR

The bed has bilateral levers to a quick back-rest dropping while a cardiopulmonary reanimation procedure. They are placed on the back-rest section edge corners to an easy access.

2. ENDOTRACHEAL INTUBATION

Head and Foot boards are quickly removable to clear space on intubation procedure. However headboard frame is fixed to the base facilitating endotracheal intubation maneuver by moving the bed to it highest position. Removal headboard is

3. FUNCTIONS SELECTIVE LOCKING

The electrical functions can be locked on Supervisor by safety puroposes. The locking keys can be found on the supervisor control, handset control or side-rails controls and lock selectively each motor.

emergency releases









hospitality







1. MATTRESS PLATFORM

Modular mattress platform made with 11 PPC fiberglass reinforced elements. Extractable for cleaning by an fast clipping system.

2. ONE HAND EXTENSIBLE FOOTEND

The footend board is extensible in 220mm. Just one hand is needed to extend by pressing a rod and then push or pull.

3. BED LINEN RACK

The footend has a retractable rack to support the bed linen exchange service.

washable beds

Featured on IPX6 class, MATRIX E40 beds are suitable to be washed and decontamined either in automatic washing machines or manual cleaning.

IPX6 GRADE

Is a water protection grade. Water-proof resistant to cleaning with jet washer devices.

Not suitable to full splashdown.

HDECON

Know plus about the IMO new washing machines line for large medical devices.



light handling



1. POWER CABLE PROTECTION

Frayed cables is number one hospital beds malfunction. MATRIX beds are supplied with a convenient power cable hook to hold on footend board.

2. BACK-UP BATTERY

All MATRIX E40 models are supplies as a standard feature with battery back-up. Set of 2 hermetic batteries (2x1.2 Ah) with a autonomy about 100 cycles or 24 hours in stand-by.

3. GRIP HANDLES

Head and foot boards has been designed with hand grips for an comfortable and ergonomic caregiver transportation.

4. TRANSPORT LOCKING MODE

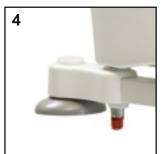
Head and foot boards has red lockers to provide a more safe transportation for patient and caregivers.

Beds may be provided without lockers over client request.

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1. CENTRAL LOCKING PEDALS

Placed on booth sides of footend side of the bed.

Has 3 positions:

Locked (red),

Unlocked (neutral),

Directional lock (green).

2. CENTRAL LOCKING BEAM

Placed on footend side of the bed.

Has 3 positions:

Locked (red),

Unlocked (neutral),

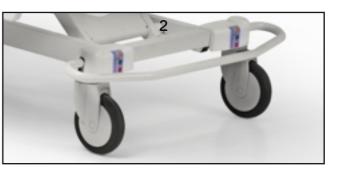
Directional lock (green).

3. ADJUSTABLE FIFTH WHEEL

Controlled by the central locking devices is activated on pedals green position. Releases a linear driving (like directional lock) or 360° twist to operate in narrow spaces. Is available with antistatic feature as an option.







in bed X-ray



X-RAY CASSETTE HOLDER

Beds might incorporate a x-ray cassette holder on back-rest section. Cassette loading is made on the headend. Headboard is no need to be removed, is just to lift mattress platform until it maximum height. Holder has a telescopic sliding full extractable and back-rest section in radiotranslucent made in HPL Compact. Have rullers to adjust to several cassette sizes and types.









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SIMPLE Ø150mm SHIELDED ABS SIMPLE Ø150m

main features



		STANDARD	OPTION	EXTRA
BED FRAME	Washable IP66 bed frame	•		
	Robust metal frame epoxy coated	•		
	Mobile components zinc plated or/and stainless steel	•		
	Fixed to base head board frame	•		
	Corners protection soft bumpers	•		
	Corners protection plastic fenders	•		
	Bilateral drain bag hooks	•		
MATTRESS PLATFORM	4 sections mattress platform (3 articulated + 1 fixed).	•		
	Modular mattress platform made in PPC easily removable		•	
	Mattress platform boards made in HPL Compact easily removable		•	
	Dual auto-regression sliding	•		
	Plastic mattress shoulders	•		
	Bilateral levers for a quick release manual CPR	•		
	Foot section manually adjustable by a mechanical rack	•		
	X-ray cassette holder with translucent HPL back-rest section			•
ROLLING BASE	Open wide design to avoid dust accumulation	•		
	Edges protection plastic fenders	•		
	ABS twin casters Ø150mm		•	
	ABS simple casters Ø150mm		•	
	Metal simple casters Ø150mm		•	
	Pedals operated central locking system		•	
	Beam operated central locking system		•	
	Adjustable fifth wheel			•
	Adjustable fifth wheel antistatic featured			•
	Brake alarm			
HEAD/FOOT BOARDS	Made in HDPE (High Density Polyethilene)	•		
	Easily removable	•		
	One hand extensible mattress platform	•		
	Rack to stow supervisor control	•		
	Transportation safety lockers*	•		
	Extensible footend linen rack.			
SIDE-RAILS	Splitted side-rails made in HDPE (High Density Polyethilene)	•		
	Angle gauges to measure back and Trend angles	•		
	Collapsible system releasing Gap Zero	•		
	Soft drop movement activated by a red pawl	•		
LECTRIC SETUP	Motion management controlled by a microprocessed unit	•		
	Low voltage motors DC24V (2 linear actuators + 2 columns)	•		
	Back-up battery (100 cycles) and uncharged alarm	•		
	Power cord with store holder and portable plastic hooker	•		
CONTROL	Side-rails embbeded controls (2 exterior + 2 interior)		•	
	Portable handset control			
	Supervisor control, portable on footend side	•		
	Bilateral foot control			
	Nigh light featured on 2 colours (safe night position)			

STANDARD - included on selected model.

OPTION - included but requires to be selected between several options. EXTRA - not included, aditional feature to join to the selected model.

*removed over client petition

bed accessories & fittings technical data



I.V. Rod. Stainless steel column. High adjustable rod with 4 hooks.	
I.V. Rod. Epoxy coated steel column. High adjustable stainless steel rod with 4 hooks.	910.104



Patient lifting pole. Stainless steel column. Adjustable belt. Ergonomic handle.	910.200
Patient lifting pole. Stainless steel column. Auto-adjustable belt. Ergonomic handle.	910.201



Writing pad. To hang on footend board. Foldable. Metalic frame with HPL Compact table. 910.806



Monitor tray. Fitting on footend sockets. Foldable. Metal frame with plastic tray. 910.80



02 tank holder. Fitting on headend/footend sockets. Stainless steel tube fully made. 910.530

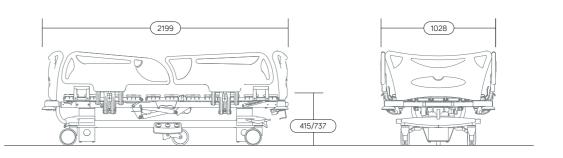


Male urinal bottle. Removable. Stainless steel wire fully made.	910.520
Drains/urine bag hooks. Bilateral. Standard on bed metal frame.	Included



Simple tractions frame. Settle at the bed's footend. (Weights and cables not included). 910.423

The Matrix E40 series does not allow the complete orthopedic frame. Choose in this case the Matrix E30 series.



DIMENSIONS (±	0%)
Docommondod	mot

Recommended mattress	1970 x 860 mm	
External dimensions	2199 x 1000 mm	
Raised side-rails width	1028 mm	
Platform sections lenght		
Back-rest	794 mm	
Pelvis	240 mm	
Leg-rest	292 mm	
Foot-rest	574 mm	
Minimum/Maximum height	415 / 737 mm*	
Platform/side-rails height	375 mm	
Maximum auto-regression	100 mm	

ARTICULATIONS (±5%) Back-rest maximum angle

Back-rest maximum angle	70°
Cardiac Chair	87°
Leg-rest maximum angle	32°
Foot-rest maximum angle	26°
Maximum tilt	
Trendelenburg	15⁰
Anti-Trendelenburg	15°

CAPABILITIES (±5%)

Patient maximum load	250 Kg
Overall bed weight	129 Kg
Electric tension	230VAC-50/60Hz
Option	110/120VAC-50/60Hz
Maximum electric power	185 W
Batteries electric power	18 W

* ABS Ø150mm twin simple caster.

REGISTRY AND CONFORMITY

Officially registred as Medical Devices Class I, no. 125 / DM / 2017/01/217 - Infarmed CE Mark

Over the scope of UE directive 2007/47/EE, annex IX

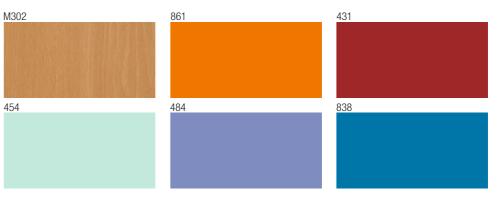
Certifyed over standard EN ISO 9001 - Quality Management System

Certifyed over standard EN ISO 13485 - Medical Devices Conception and Manufacturing









Indicative colors only, check with real samples.

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