

closemat®



Exclusively distributed in Ireland by

MMS
MEDICAL

Products
and Services

design • manufacture • supply • install • service • recycle

closomat®



Mission Statement

It is our **mission** to supply innovative healthcare products, in and out of the home, providing **independence** and **dignity** to all of our customers. We do this by engaging with specifiers across all sectors, imparting over 50 years' worth of experience, resulting in the most **hygienic** outcome available.

Vision Statement

Ours is a **vision** of a future where **independence**, **hygiene** and **dignity** is a part of everybody's life regardless of physical or mental ability – we aim to achieve this by providing excellent customer service, innovative products and ongoing support, whilst remaining market leaders and living by our core values.



closomat®

Independence

On a business trip to Switzerland in 1959, Manchester-based builder Robert Willan came across a 'fancy throne'. He was fascinated by the concept of personal hygiene it delivered, to the extent he returned to Switzerland specifically to meet the inventor, Hans Maurer. The rest, as they say, is history.

In 1962 Robert Willan founded Closomat in the UK becoming a shower toilet pioneer. Closomat has grown to become the brand leader in an entirely new experience of freshness and cleanliness – the aspirational standard in intimate care and hygiene.

The Closomat principle has since spread worldwide. Closomat remains the biggest-selling shower toilet in Britain, delivering unrivalled quality, consistency and performance through efficient flushing, unequalled washing functions and effective drying technology.

The Closomat company is still owned by the Willan family, and is based in the UK.

Our Manchester head office and customer support centre is the hub for a network that includes the only purpose-built shower toilet production and assembly facilities in Britain, and a nationwide network of in-house sales and service teams.

We have a vision to enable everyone to deal with their intimate toileting needs with as much style, independence, dignity and control as possible, at home and away, however big or small the space.

It is our mission to deliver that vision with the highest level of professional yet personal service for the whole life of our relationship with you, from initial advice, consultation, through installation, to future service & maintenance.

Closomat: the ultimate in intimate cleanliness.



Brian Hoare
Managing Director



Hygiene

The Closomat Palma Vita is the brand leader. Every unit is built by hand, and fully tested before leaving the factory. Today, over 55,000 Closomat shower toilets have been sold. Some are still in daily use at least 30 years after first being installed. Unlike any other toilet of its kind, it can be adapted, accessorised as you change, continuing to meet your precise requirements, for as long as you need it.

Needing help to go to the loo is life-changing. Our team understands that. Home demonstrations can be arranged, free of charge. You can 'try before you buy' in a range of strategic venues across the country ([see our website www.clos-o-mat.com](http://www.clos-o-mat.com) for a map of locations). A free, no obligation survey is part of our offering. Installation can be carried out by ourselves, or a competent person. We commission every unit (included in the purchase price). We spend time with you, explaining how the equipment works, so you and your carers/family are all comfortable with it. A 12 month guarantee is standard, with options to extend.⁺

Dignity

Service & maintenance packages are available on request.

Dedicated customer support line:
0800 374 076.*

For social housing providers we offer the capability to re-allocate the asset of a Palma Vita wherever needed, with a complete factory refurbishment in between.

We can deliver a complete assisted, accessible toilet (Changing Places, Space to Change) via a unique 'pick and mix' offering – design advice, supply, install, project management, future service & maintenance. With our extended range of assistive technology, we can help multi-occupancy buildings (student accommodation, hotels, care homes) meet the bathroom accessibility requirements advised by BS8300:2018.

⁺service contracts are available for 1-5 years, and can be paid annually or monthly

^{*}office hours are Monday-Friday 9.00am-5.00pm; after hours an answerphone service operates, which is checked regularly and messages actioned as quickly as possible.




Palma Vita shower toilet


The Palma Vita has been purpose-designed to combine a conventional WC with integrated washing and drying.

It is the only toilet of its kind, specifically developed for elderly and disabled people, that is designed to properly support the user AND position them correctly for effective washing and drying.




- Most effective wash available in a shower toilet¹
- Enables the user to toilet with little or no help
- Can be used by all members of the household
- Easy to use regardless of manual capability/dexterity
- Closomat's unique **one touch** system allows the user to benefit from the toilet's automatic functions by just pressing and releasing the elbow pad
- Removes hand:body contact and risk of faecal contamination
- Delivers a consistent, high level of cleanliness
- Only shower toilet that is Medical Device Class I certified²
- Only shower toilet that can be adapted to accommodate user's changing needs
- Can be fitted in Zone I of a bathroom/wetroom
- Safe working load: ³

Bariatric Palma Vita
(with Big John seat)

Safe working load: ³

Lima Vita shower toilet

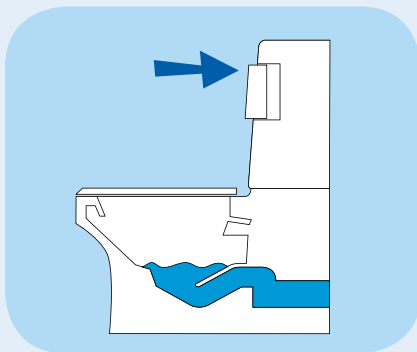
- Wall-hung version of the Palma Vita
- Ergonomically designed to properly support the user
- Can be used as a conventional WC
- Enables unit to be fixed at exact height required by user
- Facilitates bathroom/wetroom floor cleaning
- Safe working load: 

This unit is required to be secured to the finished wall surface. It therefore relies on the structural strength of the wall to which the unit is being fitted.

Lima Lifter version available (see page 8).



How they work



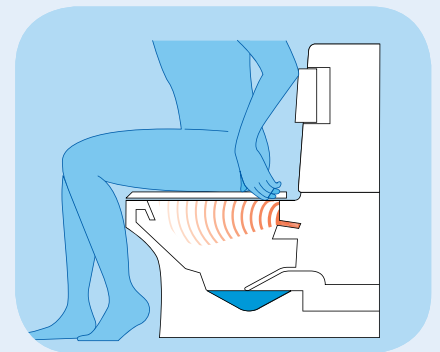
Flushing

Press either elbow pad whilst standing for conventional flush.



Washing

Press elbow pad whilst seated and hold down for approximately 10-15 seconds, flushing and warm water washing will then take place.



Drying

Warm air drying automatically follows when elbow pad is released.

¹ 8 litres/minute

² The Palma Vita achieves Medical Device Class I certification when fitted with arm supports, lateral body supports, soft touch operating switch or proxy switch

³ Standard Palma Vita weight loading - 30st/190kg; bariatric seat increases to 57st/362kg

Height-adjustable shower toilet

Lima Lifter shower toilet

The Lima Lifter height-adjustable shower toilet provides flushing, washing and warm air drying from one simple operation.


The Lima lifter is fixed to the wall, and is supplied with an additional floor plate for extra support (in case the mounting wall is not structural/strong enough to bear the load).



Height-adjustable shower toilet

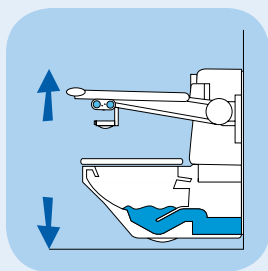
The Lima Lifter is ideally suited to multi-user situations, as it features fingertip control via simple buttons mounted in the support arm.



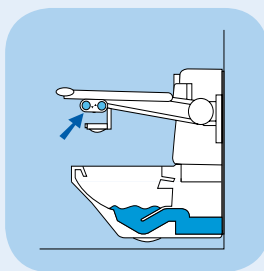
- Height-adjustable seat
- Drop-down arms can be raised or lowered with the lift
- Easy access for compatible shower chair use
- Improved personal hygiene
- Ergonomically designed to properly support the user
- Can be used at all times as a conventional WC
- Includes battery back-up
- Safe working load: 
- Optional toilet roll holder available
- Optional remote control available

Douche activation button on the arm is an optional extra

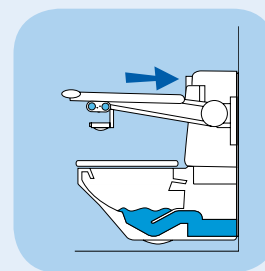
How it works



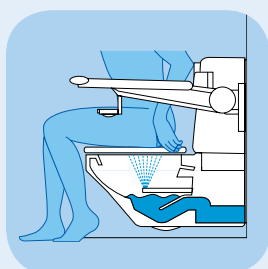
1. Lima Lifter
The Lima Lifter is a height-adjustable shower toilet, with fold-away support arms.



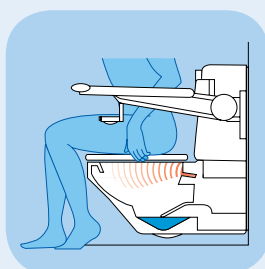
2. Adjust
Adjust toilet to correct height using the buttons located under the right hand fold-away arm. Can be used to assist with standing.



3. Flushing
Press either elbow pad whilst standing for conventional flush.



4. Washing
Press elbow pad whilst seated and hold down for approximately 10-15 seconds, flushing and warm water washing will then take place.



5. Drying
Warm air drying automatically follows when elbow pad is released.

Shower toilet accessories

Everyone is different, with different needs. Closomat shower toilets are the only ones of their kind that can be personalised to individual requirements. They can be adapted at initial installation and later, as needs change. Over 150,000 permutations exist.

Palma Vita & Lima Vita accessories

Support



Integrated Fold-down Support Arms. Robust and secure support arms designed and manufactured specifically for the Closomat. This convenient support system not only folds out of the way to aid side transfer from a wheelchair, it also has a number of additions that can further aid the user's stability. A lap strap is also available. Integrated Fold-down Support Arms are ideal for installations where wall construction is poor.

158Kg
25St *



Integrated Slimline Support Arms. With the ability to fold away independently of each other, these Integrated Slimline Support Arms provide close proximity support, whilst looking clean and smart. Their elliptical shape offers an 'easy to hold' profile making getting on and off the toilet a much easier task. Covered in a 'warm feel' coating these robust metal arms provide safety and comfort all year round.

120Kg
18.5St *



Integrated Slimline Support Arms – Optional Extras

Raising pommel. Easily attached, this robust elevated pommel allows for that little extra height-support when either getting up from or down to the toilet.

Toilet roll holder. With the ability of being easily moved from one arm to the other, this simple toilet roll holder is the perfect addition to the Toilet Support Arms.

- Lap strap available
- Arms only available on standard height, or with 25mm and 50mm plinth

* An additional floor-standing Foot Support is required to be fitted to the Lima Vita for use with both types of Support Arms.



Lateral Body Supports. These easily adjustable and comfortable additions help to provide extra support and stability to the user, in conjunction with the Integrated Fold-down Support Arms.



Soft Arm Sleeves. Easy to fit, the Soft Arm Sleeves provide a comfortable, hygienic and stylish dimension to the Integrated Fold-down Support Arms.

IMPORTANT NOTE: support arms may be fitted to a closomat, floor fixing integrity is essential for the stability of units.

Seating



Soft seats. Options available are Junior, Adult and Adult Open Fronted. All soft seats are supplied in a dark blue colour to aid the visually impaired.

Shower toilet accessories

Douching



Alternative Douche Arms. Extended Single Spray, Twin Spray. All douche options are included in the price of the Palma Vita. Douche arm illustrated is standard with the Palma Vita. **UPDATE: Due to a product upgrade, no channelling of the rear wall is now required.**

Operating mechanisms



Touch Sensitive Hand/Foot Switch. This device is for those users who are unable to use the standard elbow pads. Air operated, no electricity is required to operate it, only very light pressure.



Infrared Remote Control. This simplistic 'one button' style Infrared Control provides a versatile option lending itself particularly well when used by carers.



Proxy Switch. Making use of "passive technology" the Closomat Proxy Switch allows users with little or no grip to activate the unit, simply by passing their hand/body-part in front of the sensor.

Palma Vita only accessories

Plinths (hidden)



Plinth. Plinths are used to raise the whole unit. For use with a shower chair or to aid direct wheelchair transfer. Plinths come in heights of 25mm, 50mm, 75mm and 100mm.

Infill panel





Infill Panel. The Infill Panel has been designed to aid installations where pipe-work inhibits the Palma Vita from being located against the wall. The Infill Panel is available in thickness sizes 25mm, 50mm & 75mm. The infill panel is 100mm taller than the Palma Vita. It must be cut from the bottom to suit finished toilet height.

Rifton HTS (Hygiene & Toileting System)



Rollover

Arguably the most versatile and cost-effective solution in paediatric toileting today, the HTS uses latest research to improve on its predecessor, the Rifton Bluewave. It provides a robust 'tilt-in-space' shower/commode chair, capable of serving a child and their carer for many years. A raft of accessories enables personalisation to each child's needs.

- Medium and large sizes¹
- Secure fittings from 'head to toe'
- Range of accessories for optimum tailoring to individual requirements
- Compatible with Closomat Palma Vita (single extended douche)
- Medium safe working load: 
- Large safe working load: 




The operating mechanisms

Either the Touch Sensitive Hand Switch, Remote Control or the Proxy Switch is required when using a Rifton.

Clip-on



- Bespoke bracket system to clip onto/off the Palma Vita²
- Enables use of the footboard without the whole chassis
- Can be clipped on and off as required
- Enables appropriate support for the child, with the flexibility for the Palma Vita to be used by other members of the household
- No need to remove the Palma Vita seat
- Compatible with Closomat Palma Vita (single extended douche)
- Medium size only
- Safe working load: 

The following items are always required when ordering the HTS Clip-on:

- Bespoke bracket
 - Soft seat
 - Touch sensitive hand/foot switch, Proxy switch or Remote control
- ¹ Please note that the Small HTS is not compatible with the Palma Vita
- ² When the Bespoke bracket is fitted to the Palma Vita the Rollover version cannot be used

Options



Seat and back pads



Headrest



Butterfly harness



Anterior support/Tray



Lateral supports



Lateral supports and chest strap



Footboard



Hip guides



Abductor




Calfrest and ankle straps

Bariatric Palma Vita

The Bariatric Palma Vita is engineered for long-lasting durability. The stylish design has a more comfortable, contoured opening to the seat offering greater stability, comfort and safety. Even the standard Palma Vita can bear up to 190kg/30st: 25% more than even the strengthened versions of alternative systems.

They are purpose-designed to correctly position the user for an effective clean.


- Bariatric Palma Vita featuring the Big John seat provide increased safe working load: 
- Wide, contoured seat
- Made from high-impact ABS that is both stain and chemical resistant
- Durable, stainless steel hinges
- Non-slip bumpers
- Delivers a consistent, high level of cleanliness



Aerolet bariatric toilet lift



The electronically-controlled lift gently and securely raises and lowers the user over the toilet whilst they remain fully seated, supported and in control.


- Offers perfect support for bariatric users
- Supplied with ergonomic seat specifically designed for heavy user
- Big John toilet seat
- Only tilt version available
- Safe working load: 

Full Aerolet Range available (see page 16).



Closomat bench

To help clients with larger body mass to toilet independently. Made to order, the padded seat and aperture are custom-made to individual requirements.

- Powder-coated tubular stainless steel frame
- Vinyl covered seat
- Non-slip rubber feet
- Optional armrests
- Seat aperture; normal or horseshoe
- Standard working load: 

[†]Benches to a higher capacity available on request

Shower chairs

Prism T40 Auto

Carer-assisted, the T40 provides the security and flexibility of a conventional shower chair but can be wheeled straight over the Palma Vita.

Prism T70 Auto

(similar to AIIIC – see above)

Equipped with 22" rear wheels the T70 Auto shower chair allows the user to maintain independence by self-propelling either into the shower or over the Palma Vita.

Both chairs are fitted with, as standard:

- Pram handles

Integrated skirt surrounding aperture

- Horseshoe seat*
- Adjustable footrests
- Safe working load:



Prism T40

- For added flexibility, the Auto range of chairs comes in three seat widths, 17", 19" and 21", which must be stated when ordering

Closomat Vita Range technical data

The Closomat toilet **MUST** be installed by a competent or qualified person.

Explanation of symbols

- Safety instructions in this manual are identified by symbols. The safety instructions are introduced by signal words, which express the extent of the hazard/risk.

 <p>IEC 60417-5840 TYPE B APPLIED PART</p>	 <p>IEC 60878 Safety 01^b Follow operating instructions</p>
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- In order to prevent accidents, personal injury, property damage and guarantee maximum user safety, follow the safety instructions without fail and exercise caution.

Description of equipment

- The Closomat toilet is an electrically operated shower (wash and dry) toilet designed to provide the operator/user with a hygienic solution to toileting.

Start-up procedure

- To enable a warm washing cycle operation the Closomat toilet must be switched on. Each Closomat toilet has its own isolation switch. To switch the unit on, the location for each switch is as follows;
- Palma Vita – Right hand side of unit, at the base of the cistern cover, through a Perspex screen.
- Lima Vita – Right hand side of unit, at the base of the cistern cover, through a Perspex screen.
- Once switched on, the water will reach core temperature within 5 minutes. It is advised that to maintain the core temperature in readiness for use, the unit be left switched on at all times.

Electrical services

- To avoid the risk of electric shock, this equipment **MUST** only be connected to a supply mains with protective earthing by a competent or qualified person.

Mains isolation

- All electrical appliances must be installed in accordance to the relevant regulations associated with the country it is within. To conduct any form of repairs or servicing it is recommended that a mains isolation device be located in the vicinity of the unit.
- 220/240v single phase AC supply is required, (loading 10A, maximum power 1300 watts). The Closomat Palma toilet is supplied with a 3 core cable attached and **MUST NOT** be removed or replaced. A fused spur is required for isolation.
- Spur outlet to be located in accordance with current I.E.E. Regulations (Current Edition).

- No modification of this unit is allowed other than by the manufacturer.
- **Closomat has IPX4 rating.**

Shutdown procedure

- For normal isolation, the Closomat toilet can be turned off using the integrated switch. To carry out any servicing, the unit **MUST** be isolated at the mains feed.

Bathroom/shower room installations

- The Closomat toilet must not be in direct line with the shower spray. Some form of partition between shower and the Closomat toilet is advisable to prevent any water spraying directly onto the equipment.
- A shower should not be used in conjunction with the Closomat toilet i.e. under no circumstances must a user shower whilst seated on the Closomat toilet.

Water services (WRAS approved)

- **It is essential that the entering water is cold**
- We would recommend water supply isolated via isolation valve.
- Water supply can be from storage vessel or mains ('Grey Water' **MUST NOT BE USED**).
- Boiler Capacity: 1.7 litres.
- Water rate: min. 8 litres/min.
max. 0.8 PMA (8 bar)
- Cistern capacity: 6 litres.

Overflow

- The Closomat toilet has an internal overflow which discharges into the W.C. pan through the flush valve.

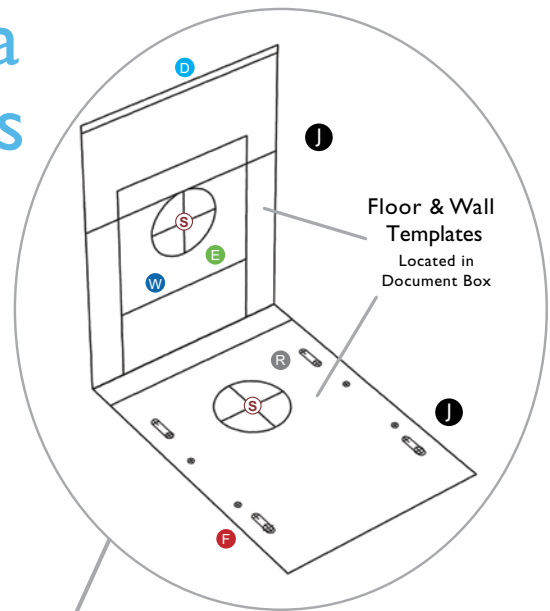
Soil connection

- Relevant soil connector to be sourced by installer.
- Soil connections suitable for Closomat toilet; S-Trap (vertical fall) wall to centre of pipe from 70mm-230mm max. P-Trap (horizontal) floor to centre of pipe 200mm max.
- The Closomat toilet is suitable for all turned trap outlets, through purpose made removable side covers on lower level.

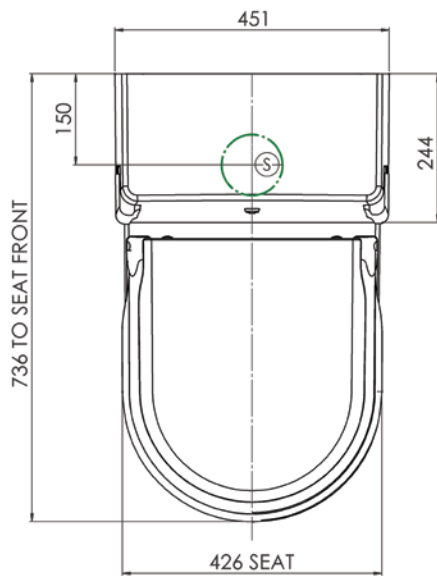
Palma Vita planning data and service requirements

Key / Installation guide:

1. Determine unit height as standard or with optional points (P)
2. Locate floor & wall template jig to plan positions (J)
3. Locate waste pipe / soil position (S)
4. Locate cold water supply (W)
5. Locate electrical supply (E)
6. Use floor template jig for fixing frame (J)



Floor & Wall Templates
Located in Document Box



W Water services

Supplied with 15mm Stainless steel braided outer, EDM inner WRAS approved flexible hose completed with integral isolation valve. (Please refer to page 30, water services prior to installation)

D Rear wall fixing

Position 25mm to RH of the centreline. 810mm from the floor.

R Rear floor fixing (2No)

(Standard Installations)
Position on the floor 102mm from the rear wall. 119.5mm to each side of the centreline.

E Electrical services

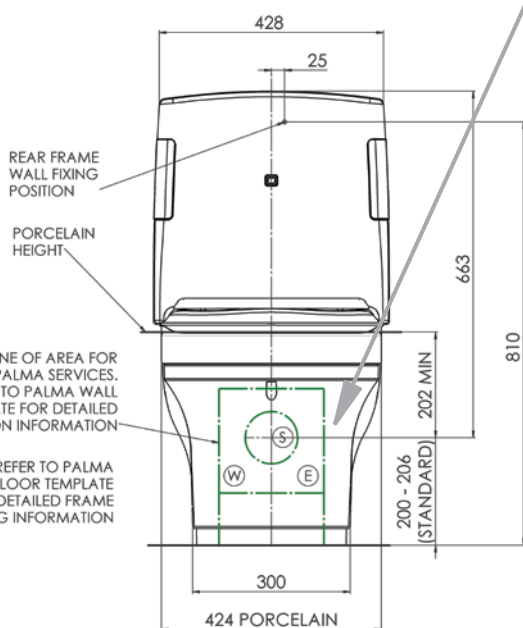
Supplied with 1000mm long, three core (live/neutral/earth) insulated 3183Y-1 white control flex-cable, rated to 220V/240V, 10 amps. (Please refer to page 30, electrical services prior to installation)

F Front floor fixing (2No)

(When using Support Arms)
Position on the floor 327mm from the rear wall. 119.5mm to each side of the centreline.

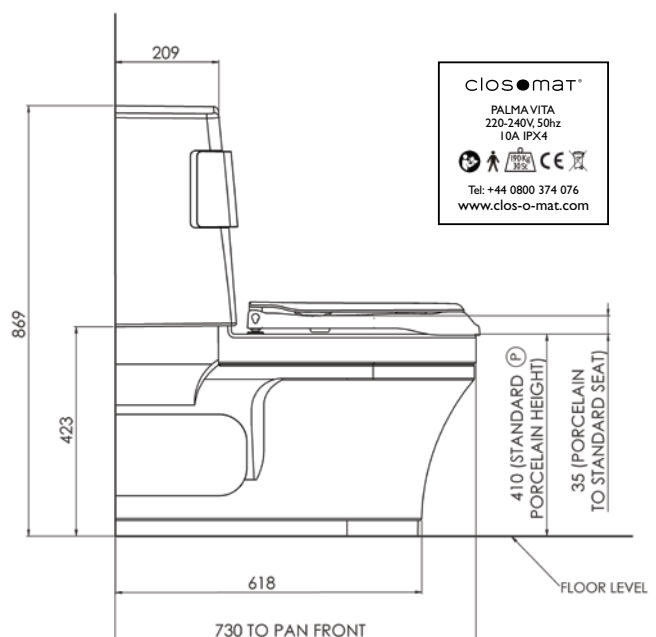
S Waste details


Pan has a horizontal spigot standard 100mm diameter outlet, suitable for standard pan connection fittings.



J OUTLINE OF AREA FOR PALMA SERVICES. REFER TO PALMA WALL TEMPLATE FOR DETAILED POSITION INFORMATION

J REFER TO PALMA FLOOR TEMPLATE FOR DETAILED FRAME FIXING INFORMATION

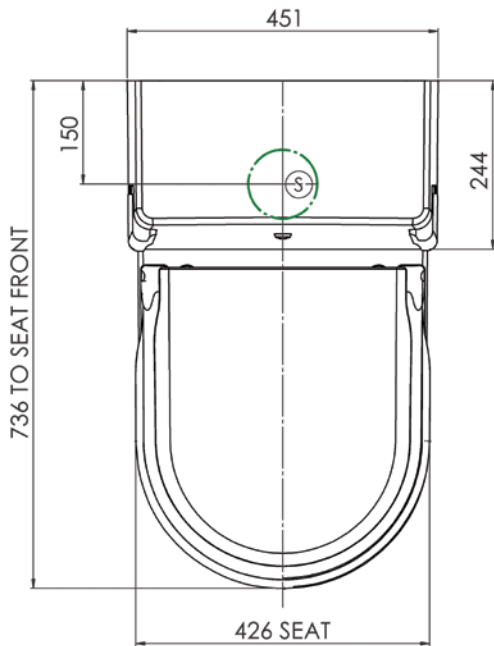


- Safe working load: 
- Overall dimensions: 869mm high x 451mm wide x 730mm deep

Lima Vita planning data and service requirements

Wall Template

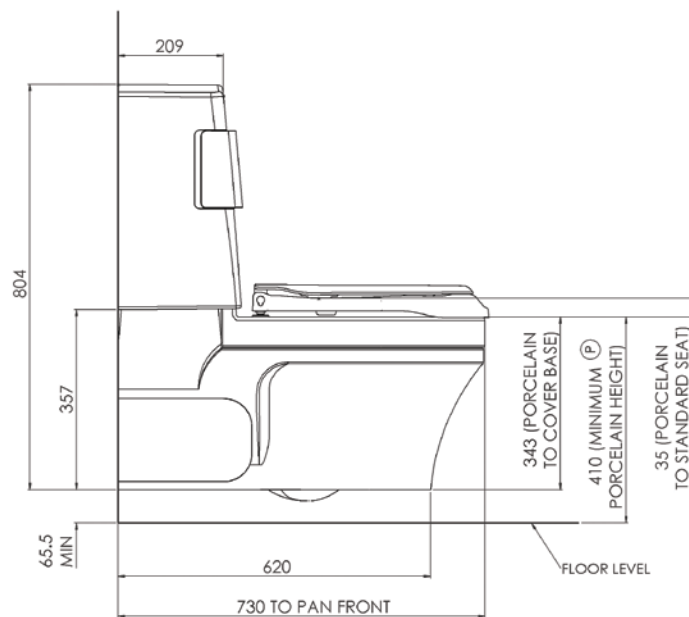
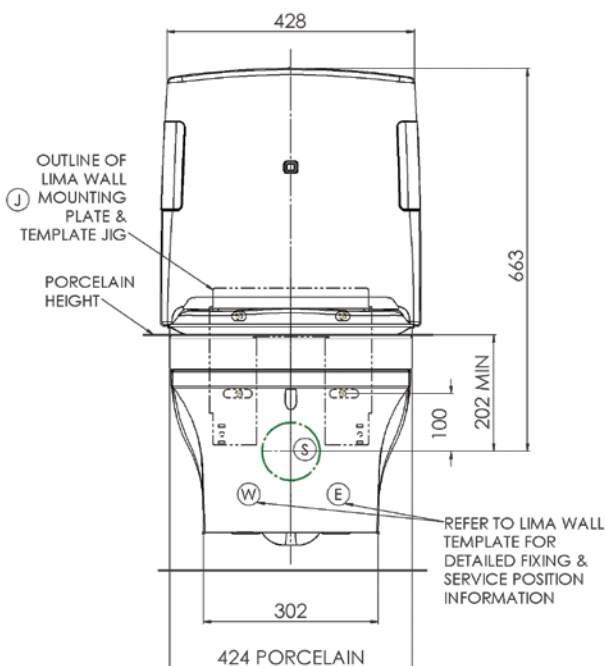
Located in Document Box



Key / Installation guide:

1. Determine porcelain height - Minimum (P)
2. Locate wall template jig for mounting plate (J)
3. Locate waste pipe / soil position (S)
4. Locate cold water supply (W)
5. Locate electrical supply (E)

- Safe working load: $\frac{120\text{Kg}}{18.5\text{St}}$
- Overall dimensions:
804mm high x 451mm wide x 730mm deep



Lima Lifter planning data and service requirements

electrical services

Electrical installation should be in accordance with I.E.E. Regulations (Current Edition)

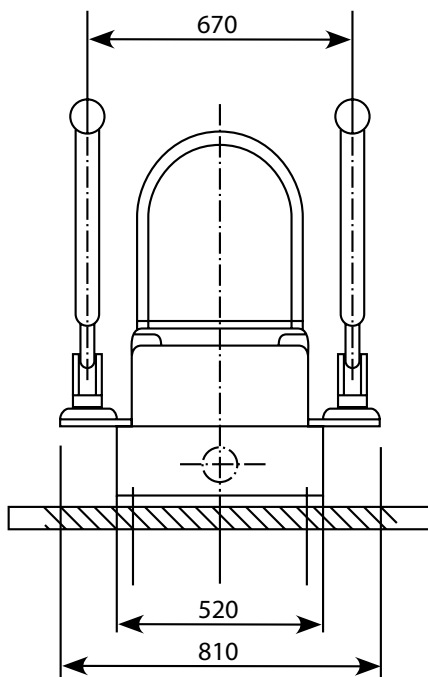
- One 220/240V 50Hz single phased AC earthed supply is required for each appliance (lifter and toilet). Loading for the toilet is 10amp maximum power 1300 watts. Loading for the lifter is 5amp maximum power 72 watts. The Closomat Lima Lifter's power supply is via a special connection to the face of the lifter. A fused spur isolation point is required for each appliance
- Spur outlet to be located in accordance with current I.E.E. Regulations (Current Edition)
- No modification of this unit is allowed other than by the manufacturer
- **Closomat Lima Lifter has IPX4 rating**

bathroom/shower room installations

- The Manufacturer stipulates that at no time must the lifting device be situated in the direct line with any shower spray. We recommend that some form of partition be used to separate the lifter from the shower spray
- A shower should not be used in conjunction with the Closomat Lima Lifter i.e. under no circumstances must a user shower whilst seated on the Closomat Lima Lifter

water services (WRAS approved)

- **It is essential that the entering water is cold**
- 1/2" x 15mm connection required to a 15mm supply pipe
- We recommend water supply isolated via isolation valve outside the confines of the unit
- Water supply can be from high-level storage or mains ('Grey Water' MUST NOT BE USED)
- Boiler Capacity: 1.7 litres
- A constant water supply of 8 litres/min must be achieved. Max 8 bar
- Cistern capacity is 9 litres set at 6 litres




overflow

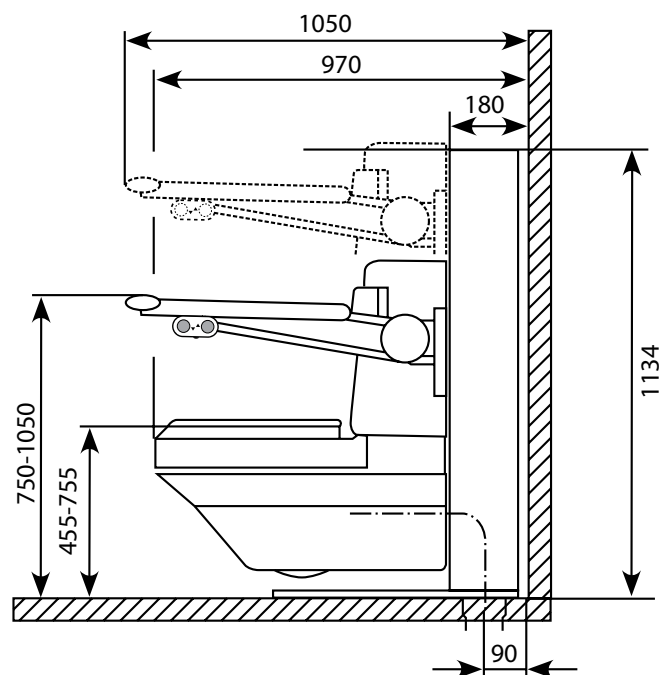
- The Closomat Lima Lifter has an internal overflow which discharges into the W.C. pan through the flush valve

soil connection

- **IMPORTANT NOTE: the soil connection MUST be directly through the floor**
- The outlet connection size must be 100mm and flush with the floor level. It is positioned centrally to the width of the lifter and 90mm to centre of the outlet from the back wall.

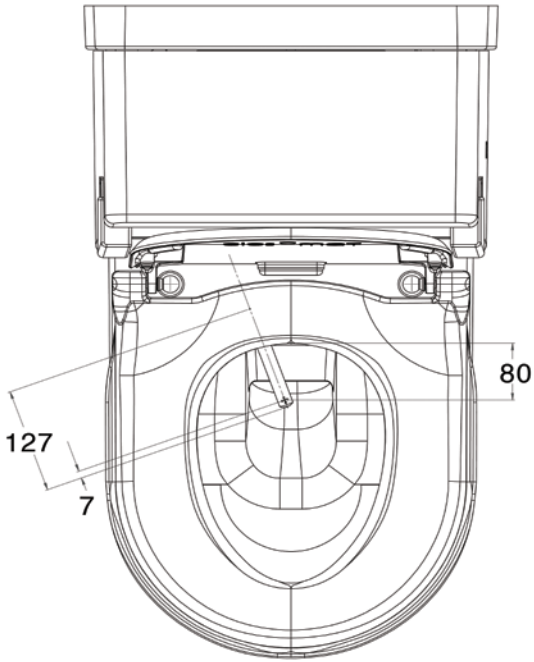
further notes

- No permanent handrails or other obstructions should be fitted across the front or top of the unit. The white outer casing of the Closomat Lima Lifter has to be pulled forwards and upwards to remove for any maintenance.
- Unit not rated for altitude. 2000m is the maximum
- This application requires an earth connection
- Safe working load: 
- Height-adjustable: 455mm – 755mm
- Width: 810mm x Depth: 1050mm

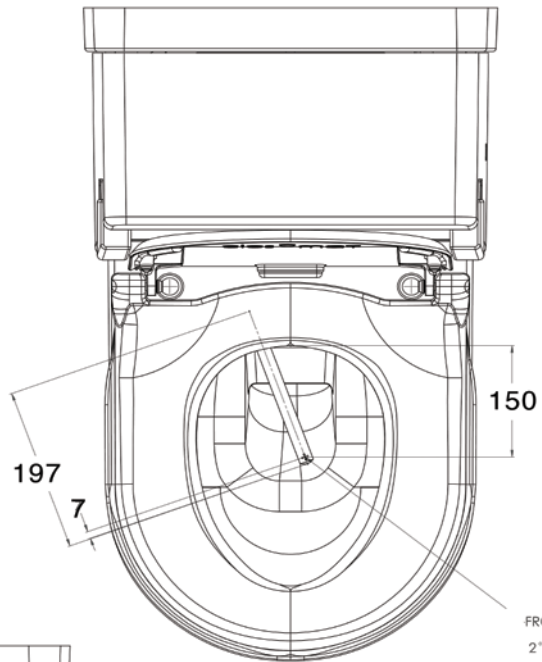


Shower toilet douche options

Closomat douche showing 3 positions

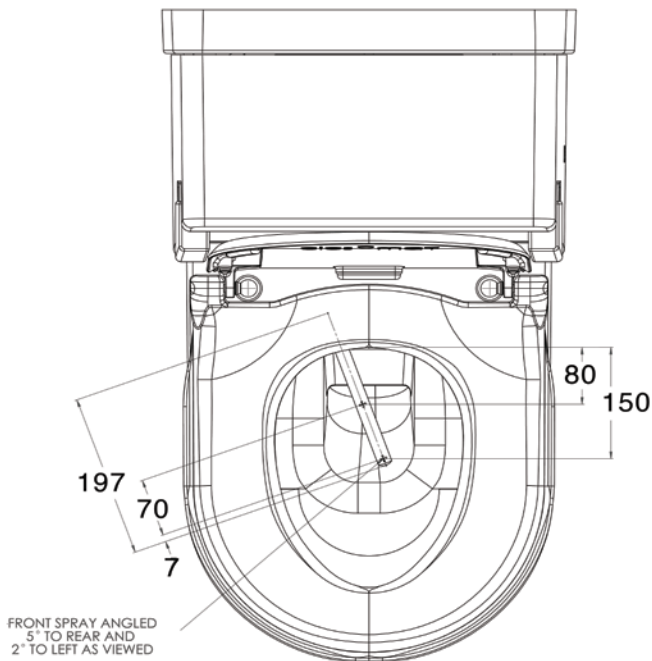


STANDARD DOUCHE OPTION
PLAN ON UNIT
DIMENSIONS APPROXIMATE



SINGLE EXTENDED DOUCHE OPTION
PLAN ON UNIT
DIMENSIONS APPROXIMATE

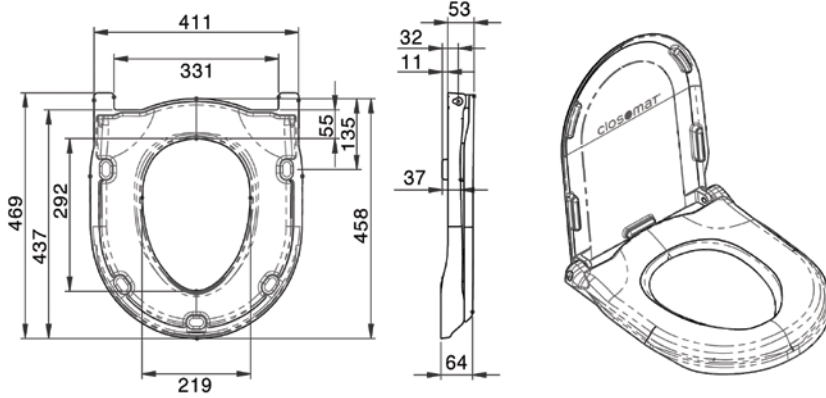
FRONT SPRAY ANGLED
5° TO REAR AND
2° TO LEFT AS VIEWED



FRONT SPRAY ANGLED
5° TO REAR AND
2° TO LEFT AS VIEWED

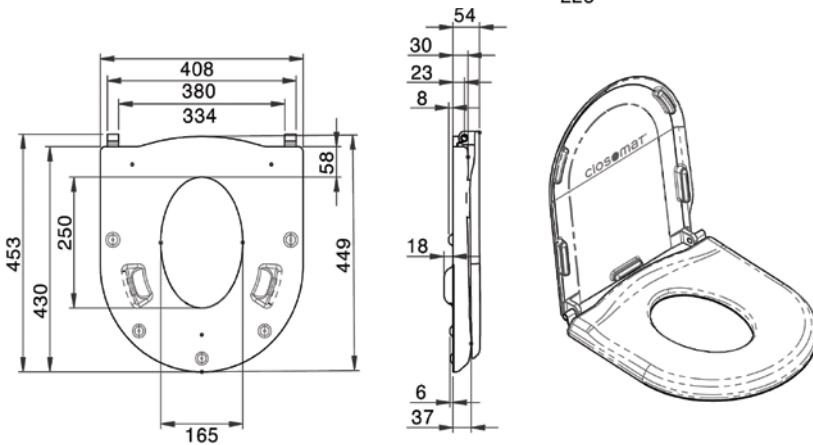
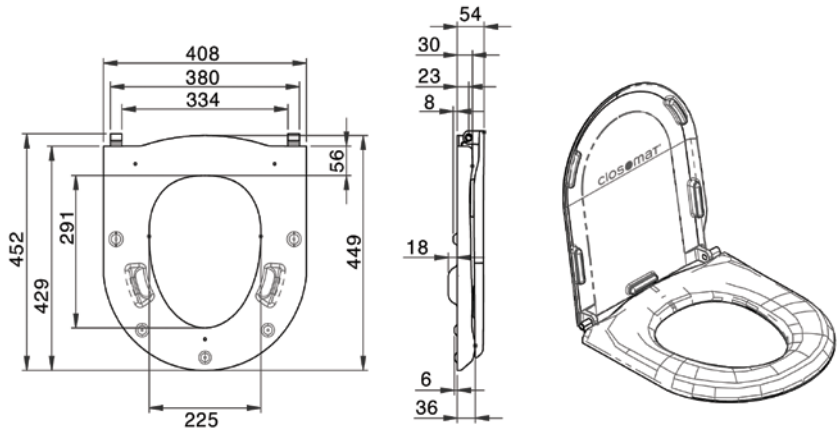
DOUBLE EXTENDED DOUCHE OPTION
PLAN ON UNIT
DIMENSIONS APPROXIMATE

Shower toilet seat options



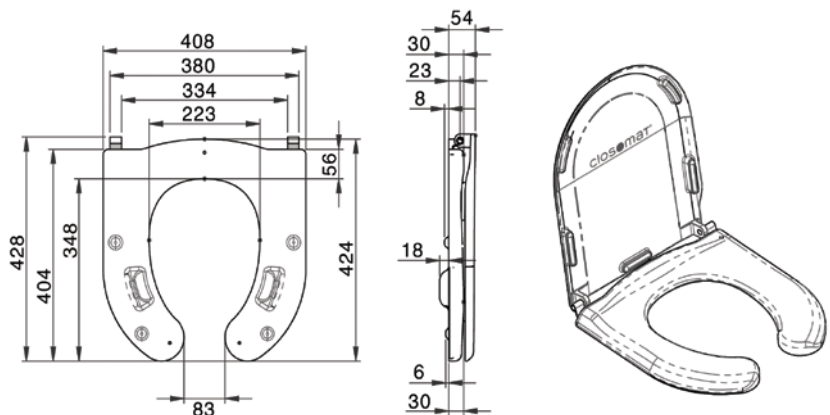
Standard Hard
Palma Seat (White)
Side & 3D views shown
with lid (White)

Soft Adult
Palma Seat (Blue)
Side & 3D views shown
with lid (White)

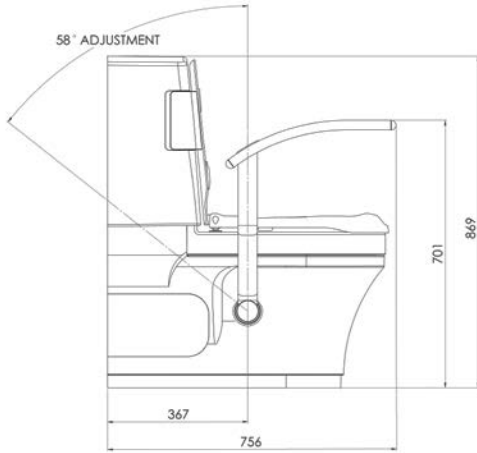
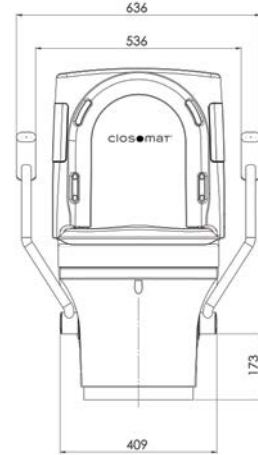
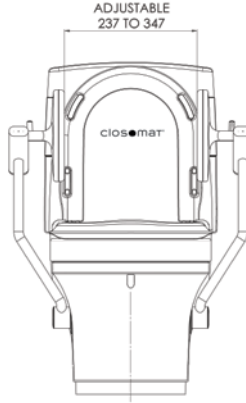
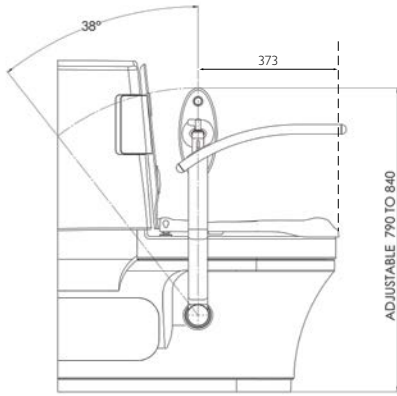


Soft Junior
Palma Seat (Blue)
Side & 3D views shown
with lid (White)

Soft Horseshoe
Palma Seat (Blue)
Side & 3D views shown
with lid (White)



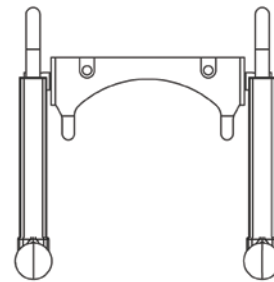
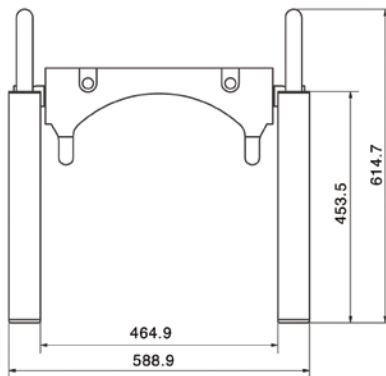
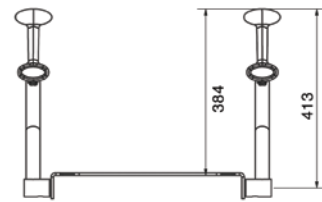
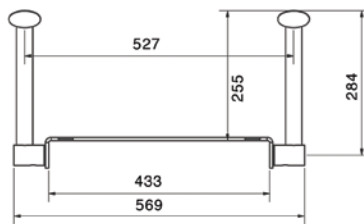
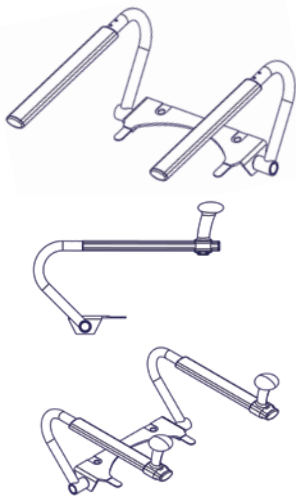
Fold-down support arms



IMPORTANT NOTE:

SUPPORT ARMS MAY BE FITTED TO A CLOSMAT, FLOOR FIXING INTEGRITY IS ESSENTIAL FOR THE STABILITY OF UNITS.


Slimline version

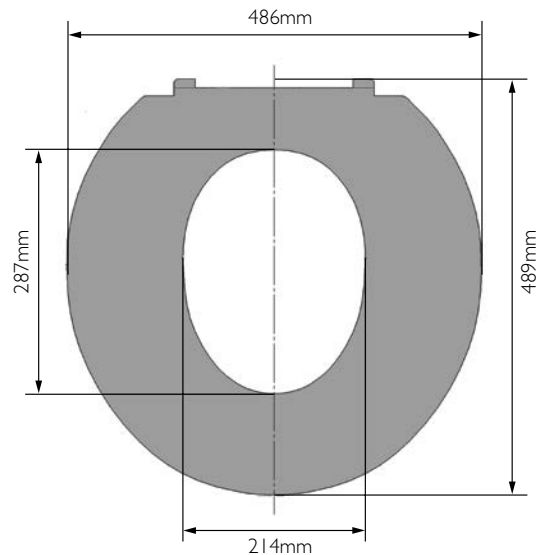


Footnote: Height from top of seat to top of arm = 207mm


Bariatric

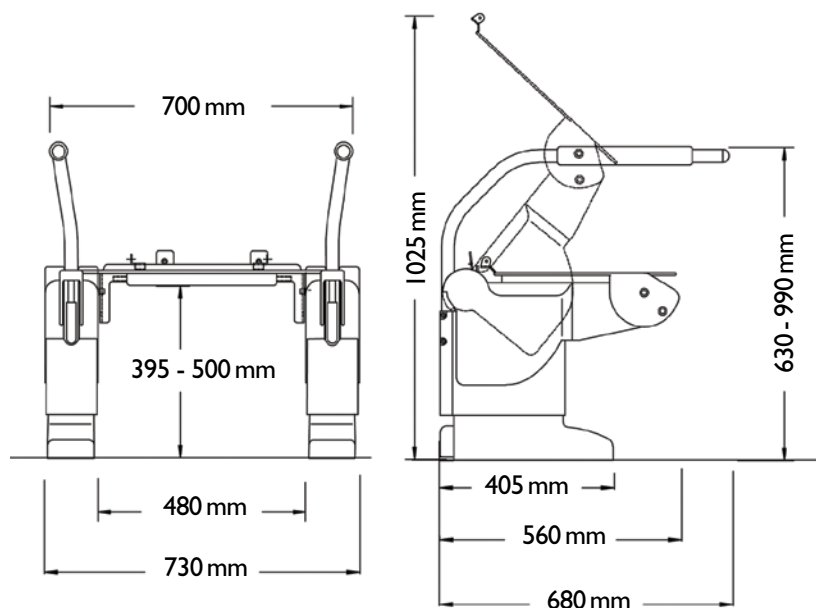
Bariatric Palma Vita

- Closomat bariatric Palma Vita featuring the Big John seat
- Safe working load: 
- Palma Vita with bariatric seat: 869mm high x 486mm wide x 750mm deep
- Seat depth: 60mm
- Floor to top of seat: 450mm




Aerolet bariatric

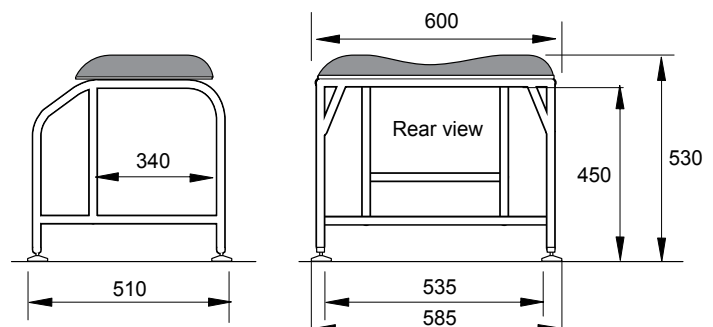
- Safe working load: 
- Big John toilet seat
- Palma Vita with bariatric seat: 1025mm high x 730mm wide x 680mm deep
- Seat depth: 60mm
- Floor to top of seat: 450mm



N.B. Only tilt version is available

Closomat bench

- Safe working load: 
- Overall dimensions: 530mm high x 600mm wide x 510mm deep



Benches to a higher capacity available on request

www.clos-o-mat.com



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Cork

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