

# VERTIMAG

*Automatic Vertical Lift Module*



- ✓ Space optimization
- ✓ Improvement of stock management
- ✓ Speed up of order preparation
- ✓ Error reduction
- ✓ Goods protection
- ✓ Perfect ergonomics and total safety
- ✓ Productivity increase

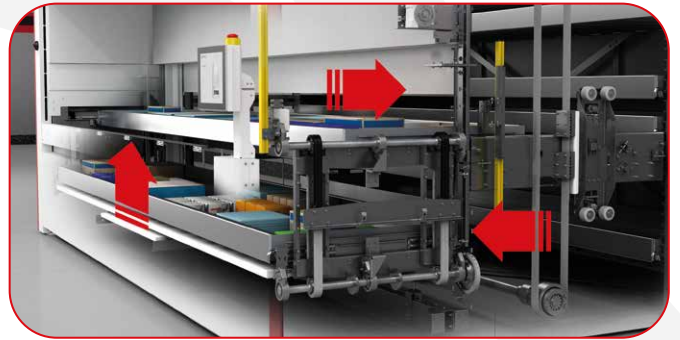
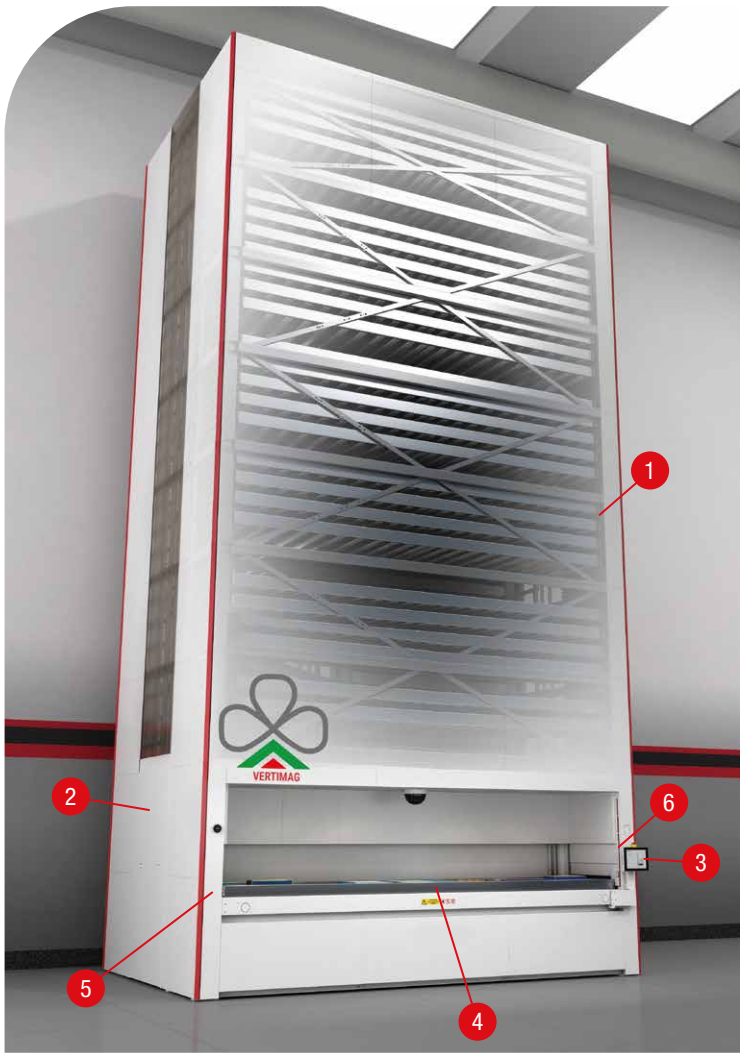
# Vertimag

## Versatile, efficient and ergonomic vertical storage system

The automated vertical storage system is made up of two sides of racks accommodating metal trays and served by a lift device.

Vertimag is a storage system for goods of any shape, weight and size, which exploits the available height as much as possible and reduces the footprint to one tenth of the previously occupied space.

The storage system can be equipped with the Ergo-Tech system, a further lift underneath the bay inside the structure, a Ferretto exclusive solution, which makes it possible to obtain the flows of a dual-level bay, always maintaining perfect ergonomics.



### Technical data

- 1 High-strength tubular structure
- 2 High-durability pre-painted sheet paneling
- 3 Touch Panel screen 12" with sockets for external devices and user-friendly graphics
- 4 Picking bay with system for extracting the tray always at the same height
- 5 Check for incoming goods height - Pitch 25mm
- 6 Safety barriers for the operators

### Ferretto® exclusive

- Ergo-Tech picking bay
- 15 models (5 widths and 3 depths)
- 120 tray combinations
- Possibility of outdoor installation without additional cladding structure

HEIGHT	from 3,2 to 12 m (every 200mm)	from 126 in to 472.44 in (every 7.87 in)
GROSS CAPACITY MAX	70.000 kg	154,324 lb
MATERIAL HEIGHT MAX	695 mm	27.36 in
TRAY PAYLOAD FOR THE ENTIRE RANGE	300 - 550 - 800 - 990 kg	661.4 - 1,212.5 - 1,763.7 - 2,182.6 lb
TRAY SIDE HEIGHT	70 - 95 - 120 - 145 - 170 mm	2.76 - 3.74 - 4.72 - 5.71 - 6.7 in
FLEXIBLE PITCH	25 mm	1 in
PICKING BAYS	Internal Single Bay / Internal Double Bay / Ergo -Tech / External Single Bay / External Double Bay / Extractable Bay	

## SPECIFICATIONS – US Units

<b>XS-BI / XS-BE</b>						
MODEL	TRAY WIDTH (in)	TRAY DEPTH (in)	TRAY SIDE HEIGHT (in)	TRAY NET PAYLOAD (lb)	FOOTPRINT INTERNAL BAY (WxD in)	FOOTPRINT EXTERNAL BAY (WxD in)
65XS	76.8	25.6	2.8 to 4.7	661 - 1,213	96.5 x 99.3	96.5 x 131.8
				1,764 - 2,183		
84XS	76.8	33	2.8 to 4.7	661 - 1,213	96.5 x 121.7	96.5 x 161.7
				1,764 - 2,183		
103XS	76.8	40.6	3.7 to 5.7	661 - 1,213	96.5 x 144	96.5 x 191.6
				1,764 - 2,183		

<b>S-BI / S-BE</b>						
MODEL	TRAY WIDTH (in)	TRAY DEPTH (in)	TRAY SIDE HEIGHT (in)	TRAY NET PAYLOAD (lb)	FOOTPRINT INTERNAL BAY (WxD in)	FOOTPRINT EXTERNAL BAY (WxD in)
65S	96.5	25.6	2.8 to 4.7	661 - 1,213	116.2 x 99.3	116.2 x 131.8
				1,764 - 2,183		
84S	96.5	33	2.8 to 4.7	661 - 1,213	116.2 x 121.7	116.2 x 161.7
				1,764 - 2,183		
103S	96.5	40.6	3.7 to 5.7	661 - 1,213	116.2 x 144	116.2 x 191.6
				1,764 - 2,183		

<b>M-BI / M-BE</b>						
MODEL	TRAY WIDTH (in)	TRAY DEPTH (in)	TRAY SIDE HEIGHT (in)	TRAY NET PAYLOAD (lb)	FOOTPRINT INTERNAL BAY (WxD in)	FOOTPRINT EXTERNAL BAY (WxD in)
65M	120	25.6	2.8 to 4.7	661 - 1,213	139.8 x 99.3	139.8 x 131.8
				1,764 - 2,183		
84M	120	33	2.8 to 4.7	661 - 1,213	139.8 x 121.7	139.8 x 161.7
				1,764 - 2,183		
103M	120	40.6	3.7 to 5.7	661 - 1,213	139.8 x 144	139.8 x 191.6
				1,764 - 2,183		

<b>L-BI / L-BE</b>						
MODEL	TRAY WIDTH (in)	TRAY DEPTH (in)	TRAY SIDE HEIGHT (in)	TRAY NET PAYLOAD (lb)	FOOTPRINT INTERNAL BAY (WxD in)	FOOTPRINT EXTERNAL BAY (WxD in)
65L	143.7	25.6	2.8 to 5.7	661 - 1,213	163.5 x 99.3	163.5 x 131.8
				1,764 - 2,183		
84L	143.7	33	2.8 to 5.7	661 - 1,213	163.5 x 121.7	163.5 x 161.7
				1,764 - 2,183		
103L	143.7	40.6	3.7 to 6.7	661 - 1,213	163.5 x 144	163.5 x 191.6
				1,764 - 2,183		

<b>XL-BI / XL-BE</b>						
MODEL	TRAY WIDTH (in)	TRAY DEPTH (in)	TRAY SIDE HEIGHT (in)	TRAY NET PAYLOAD (lb)	FOOTPRINT INTERNAL BAY (WxD in)	FOOTPRINT EXTERNAL BAY (WxD in)
65XL	167.3	25.6	3.7 to 5.7	661 - 1,213	187 x 99.3	187 x 131.8
				1,764 - 2,183		
84XL	167.3	33	3.7 to 5.7	661 - 1,213	187 x 121.7	187 x 161.7
				1,764 - 2,183		
103XL	167.3	40.6	3.7 to 6.7	661 - 1,213	187 x 144	187 x 191.
				1,764 - 2,183		

## SPECIFICATIONS – Metric

<b>XS-BI / XS-BE</b>						
MODEL	TRAY WIDTH (mm)	TRAY DEPTH (mm)	TRAY SIDE HEIGHT (mm)	TRAY NET PAYLOAD (kg)	FOOTPRINT INTERNAL BAY (WxD mm)	FOOTPRINT EXTERNAL BAY (WxD mm)
65XS	1.950	650	70 ÷ 120	300 - 550	2.452 x 2.521	2.452 x 3.347
				800 - 990		
84XS	1.950	840	70 ÷ 120	300 - 550	2.452 x 3.091	2.452 x 4.107
				800 - 990		
103XS	1.950	1.030	95 ÷ 145	300 - 550	2.452 x 3.661	2.452 x 4.867
				800 - 990		

<b>S-BI / S-BE</b>						
MODEL	TRAY WIDTH (mm)	TRAY DEPTH (mm)	TRAY SIDE HEIGHT (mm)	TRAY NET PAYLOAD (kg)	FOOTPRINT INTERNAL BAY (WxD mm)	FOOTPRINT EXTERNAL BAY (WxD mm)
65S	2.450	650	70 ÷ 120	300 - 550	2.952 x 2.521	2.952 x 3.347
				800 - 990		
84S	2.450	840	70 ÷ 120	300 - 550	2.952 x 3.091	2.952 x 4.107
				800 - 990		
103S	2.450	1.030	95 ÷ 145	300 - 550	2.952 x 3.661	2.952 x 4.867
				800 - 990		

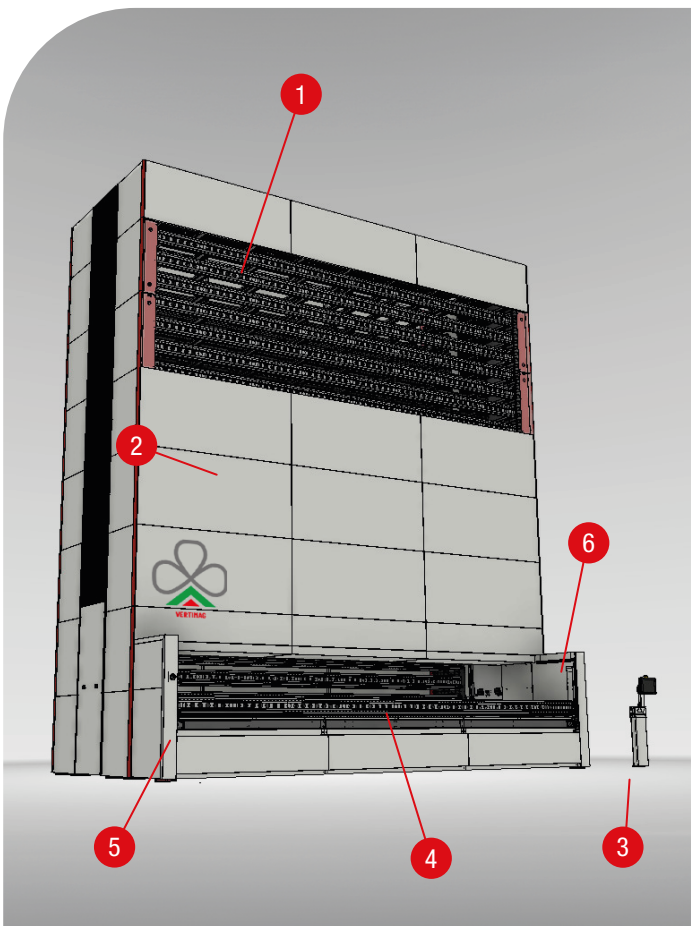
<b>M-BI / M-BE</b>						
MODEL	TRAY WIDTH (mm)	TRAY DEPTH (mm)	TRAY SIDE HEIGHT (mm)	TRAY NET PAYLOAD (kg)	FOOTPRINT INTERNAL BAY (WxD mm)	FOOTPRINT EXTERNAL BAY (WxD mm)
65M	3.050	650	70 ÷ 120	300 - 550	3.552 x 2.521	3.552 x 3.347
				800 - 990		
84M	3.050	840	70 ÷ 120	300 - 550	3.552 x 3.091	3.552 x 4.107
				800 - 990		
103M	3.050	1.030	95 ÷ 145	300 - 550	3.552 x 3.661	3.552 x 4.867
				800 - 990		

<b>L-BI / L-BE</b>						
MODEL	TRAY WIDTH (mm)	TRAY DEPTH (mm)	TRAY SIDE HEIGHT (mm)	TRAY NET PAYLOAD (kg)	FOOTPRINT INTERNAL BAY (WxD mm)	FOOTPRINT EXTERNAL BAY (WxD mm)
65L	3.650	650	70 ÷ 145	300 - 550	4.152 x 2.521	4.152 x 3.347
				800 - 990		
84L	3.650	840	70 ÷ 145	300 - 550	4.152 x 3.091	4.152 x 4.107
				800 - 990		
103L	3.650	1.030	95 ÷ 170	300 - 550	4.152 x 3.661	4.152 x 4.867
				800 - 990		

<b>XL-BI / XL-BE</b>						
MODEL	TRAY WIDTH (mm)	TRAY DEPTH (mm)	TRAY SIDE HEIGHT (mm)	TRAY NET PAYLOAD (kg)	FOOTPRINT INTERNAL BAY (WxD mm)	FOOTPRINT EXTERNAL BAY (WxD mm)
65XL	4.250	650	95 ÷ 145	300 - 550	4.752 x 2.521	4.752 x 3.347
				800 - 990		
84XL	4.250	840	95 ÷ 145	300 - 550	4.752 x 3.091	4.752 x 4.107
				800 - 990		
103XL	4.250	1.030	95 ÷ 170	300 - 550	4.752 x 3.661	4.752 x 4.867
				800 - 990		

# VERTIMAG PLUS

*Automatic vertical storage system for section bars up to 263.8 in length*

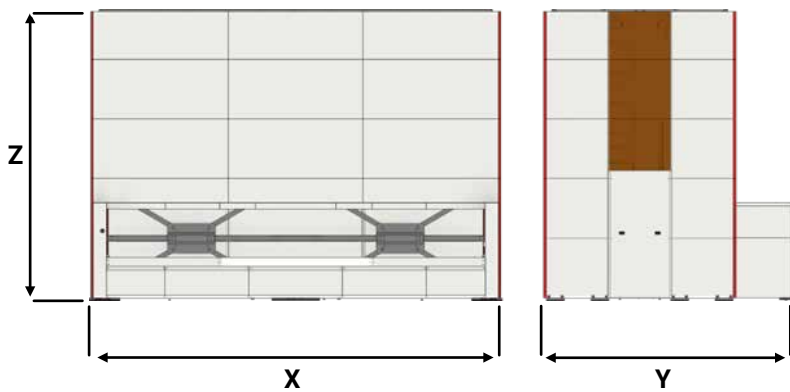


## Technical data

- ① High-strength tubular structure
- ② High-durability pre-painted sheet paneling
- ③ Touch Panel screen 12" with sockets for external devices and user-friendly graphics
- ④ Picking bay with system for extracting the tray always at the same height
- ⑤ Check for incoming goods height - Pitch 25mm
- ⑥ Safety barriers for the operators

HEIGHT	from 3.2 to 12 m	from 126.0 to 472.4 in
GROSS CAPACITY MAX	70.000 kg	154,324 lb
MATERIAL HEIGHT MAX	695 mm	27.4 in
TRAY PAYLOAD FOR THE ENTIRE RANGE	990 kg	2,183 lb
TRAY SIDE HEIGHT	240 mm	9.4 in
FLEXIBLE PITCH	25 mm	1.0 in
PICKING BAYS	External single bay	

## WAREHOUSE DIMENSION



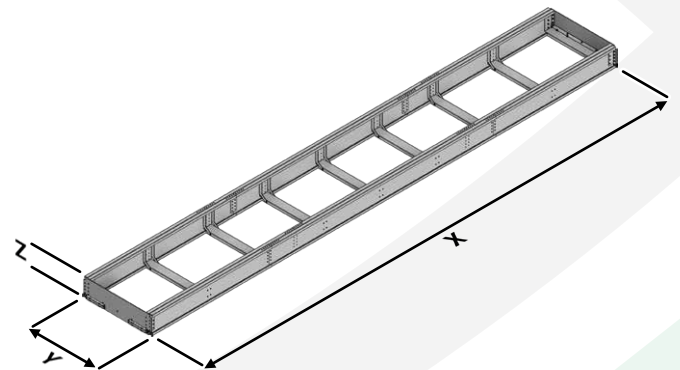
WAREHOUSE TYPE	LENGTH X		DEPTH Y	
	(mm)	(in)	(mm)	(in)
65 P	6.773	6.773	3395	133.7
84 P	6.773	6.773	4157	163.7
65 PL	7.302	7.302	3395	133.7
84 PL	7.302	7.302	4157	163.7

## ACCESSORIES

- Barcode/QR Code reader
- Label printer
- Tray equipment
- Jib crane and gripping devices



## DRAWER DIMENSIONS



DRAWER TYPE	LENGTH X		DEPTH Y		SIDE HEIGHT Z		USABLE SIDE HEIGHT Z		NET LOAD CAPACITY	
	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg)	(lb)
65 P	6.200	244.1	555	21.9	240	9.4	205	8.1	990	2,183
84 P	6.200	244.1	745	29.3	240	9.4	205	8.1	990	2,183
65 PL	6.700	263.8	555	21.9	240	9.4	205	8.1	990	2,183
84 PL	6.700	263.8	745	29.3	240	9.4	205	8.1	990	2,183



**ERGO-TECH BAY**



**CARDBOARD BOXED**



**CONVEYOR BELTS AND ROLLER UNITS**



**ANTHROPOMORPHIC ROBOTS**



**SLIDING CONSOLE**



**INSULATED SELF-SUPPORTING SOLUTION FOR OUTDOOR APPLICATIONS**



**Ferretto Spa**  
Italy - Iberia - USA

info.usa@ferretto.com  
[www.usa.ferretto.com](http://www.usa.ferretto.com)

