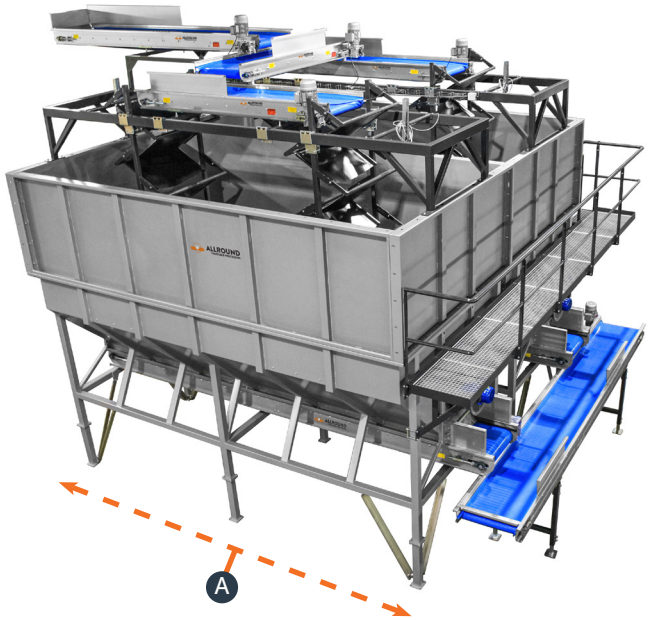
STORAGE HOPPER SH

Storage hopper filling can be done via two methods, the zig zag fall breaker, which is normally used, and the moving vertical belt.



General description

Storage hopper is designed to act as a buffer in a processing line, or between a processing line and a packaging line. The storage hopper will be gradually filled from the bottom to the top. An unloading conveyor is mounted at the bottom of the storage hopper, which can convey the produce out of the storage hopper. There's a roof mounted over the unloading conveyor to reduce pressure over the unloading belt.

Soft landing is mounted at the bottom of the storage hopper. Placed under the zig-zag fall breaker or vertical filling belt to break the fall. A frequency inverter is included to control the speed, and a hatch is also mounted on the side of the machine. The hatch can be used for inspection/cleaning.

Storage hopper filling can be done via two methods, the Small caps fall breaker, which is normally used, and the moving vertical belt. The vertical filling belt is used for fresh produce where it is sensitive to damage. This belt starts filling the storage hopper from bottom to top by moving up and down to ensure complete filling of the storage hopper.

All dimensions in cm

Type	Length of the machine (A)	Width of the machine (B)	Approximate content (m^3)
SH 250	250	250	4
	250	250	10
	250	250	16
SH 300	300	250	5
	300	250	11
	300	250	17
	300	300	
SH 400	400	250	
	400	300	
SH 500	500	250	8
	500	250	20
	500	250	32
	500	300	9
	500	300	24
	500	300	40
SH 600	600	250	11
	600	250	26
	600	250	40
	600	300	10
	600	300	28
	600	300	46
SH 700	700	250	
	700	300	

All capacities are indications based on experience from the past and depend on the agro climatic, soil and logistic conditions of the product, Allround VP does not guarantee any of these.

Characteristics

- ✓ Works on the principle of First in, First out (FIFO)
- ✓ Available in mild still or stainless still to suit various industry applications
- ✓ Real time product tracking inside the storage hopper is possible
- ✓ Variable speed transport conveyors ensure optimal flow to processing lines
- ✓ Soft landings ensure less product damage while filling
- ✓ Inspection hatch for manual checking
- ✓ Centralized control system
- ✓ Ventilators provide proper air circulation through the product to keep it fresh

Options:

- **Material and treatment (frame)**

Painted mild steel	Frame is made from painted mild steel
Stainless steel	Frame is made from stainless steel
Foodgrade painted	Frame is made from painted mild steel with food grade certificate

Options:

- **Electrical control**

No electric	-
Central control in line	Necessary sensors

- **Material and treatment (electrical panel)**

Painted mild steel	The electrical panel is made from painted mild steel.
Stainless steel	The electrical panel is made from stainless steel.

- **Sensor**

Product Sensor	A product sensor is included

- **Soft landing**

Partial	Soft landing is mounted at the bottom of the storage hopper. Placed under the zig zag fall breaker or vertical filling belt to break the fall
Fully	Soft landing is mounted at the bottom of the storage hopper

- **Outfeed height**

0 – 1 meter	The outfeed height is 0 – 1 meter
1 – 2 meter	The outfeed height is 1 – 2 meter
2 – 3 meter	The outfeed height is 2 – 3 meter

- **Frequency inverter**

Speed adjustment	A frequency inverter is included to control the speed

- **Subframe on top**

Zig zag	The subframe on top is made for a zig zag fall damper
Vertical filling belt	The subframe on top is made for a vertical filling belt
Transport belt on wheels	The subframe on top is made for a high transport conveyor on wheels

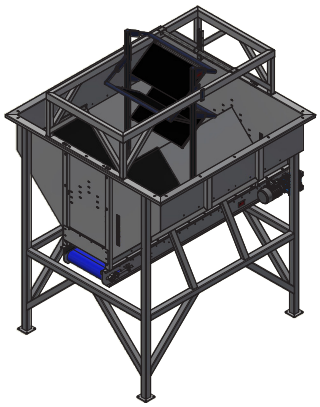
- **Hatch**

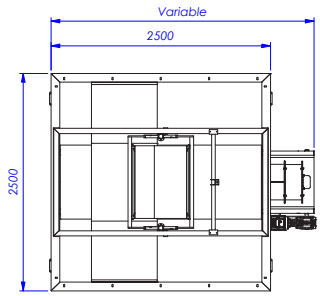
Hatch	A hatch is mounted on the side of the machine. The hatch can be used for inspection/cleaning

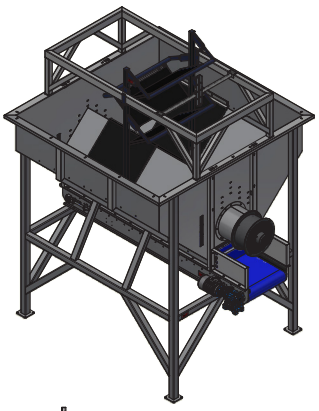
- **Ventilator**

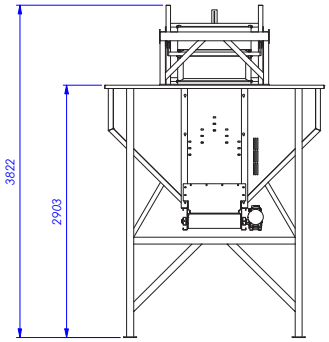
Ventilator	A ventilator is mounted on the machine

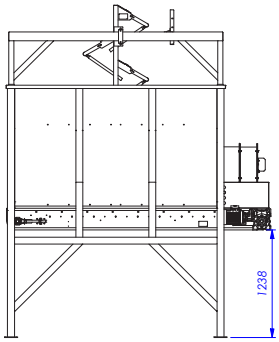
SH 250-250-4

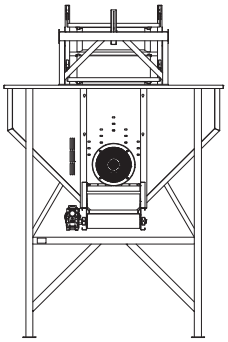








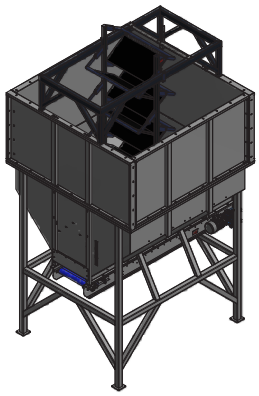


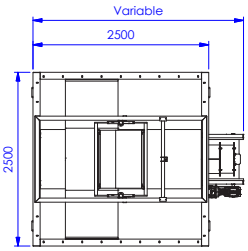


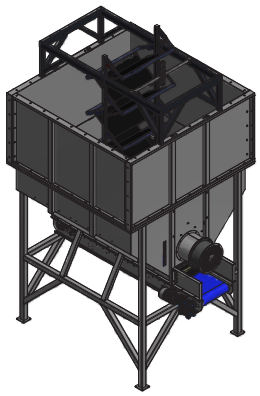
For discussion only!
The dimensions are approximately.
We are free to resize and change the machines, when we deem it necessary.

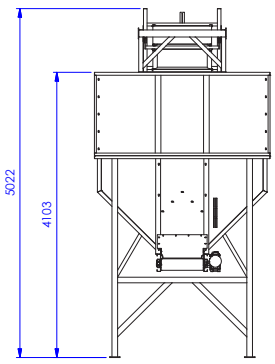
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project: Storage hopper					
Description: SH 250-250-4					
Surface:					
Engineer: EJCB	Scale: 1 : 40	00003479	Revision: 00		
Date: 28-06-2019	Sheet size: A3				
	Unit: mm	Sheet: 1 of 2			

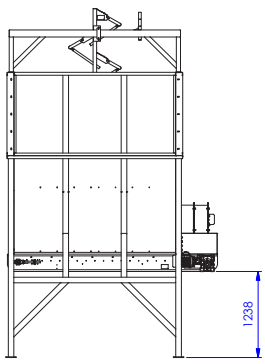
SH 250-250-10

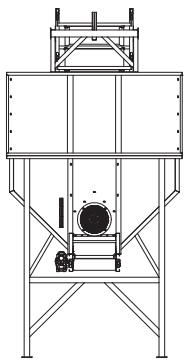












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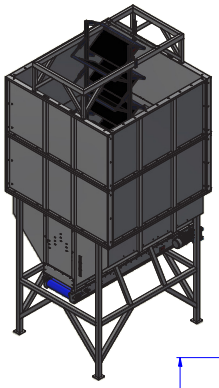
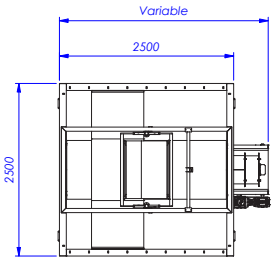
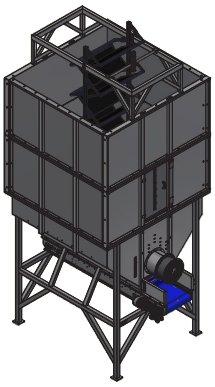
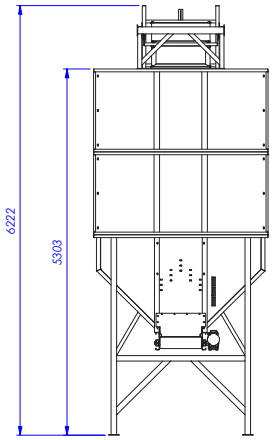
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project: Storage hopper - -					
Description: SH 25-25-10					
Surface:					
Engineer: S.Jaan	Scale: 1 : 50	00003481	Revision: 01		
Date: 28-6-2019	Sheet size: A3				
	Unit: mm	Sheet: 1 of 2			

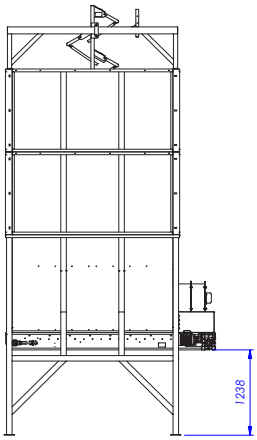
SH 250-250-16

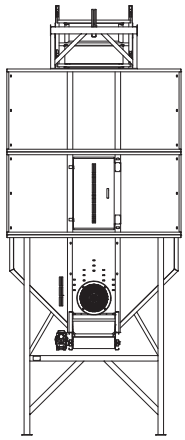












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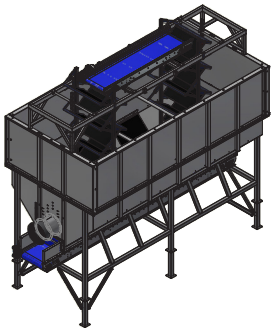
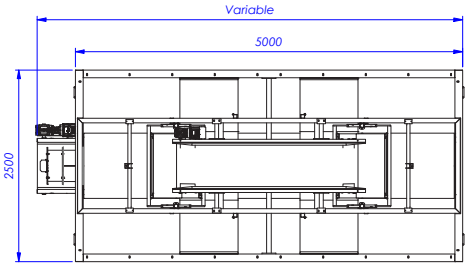
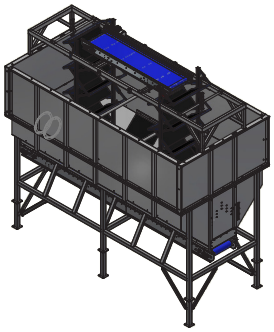
when we deem it necessary.

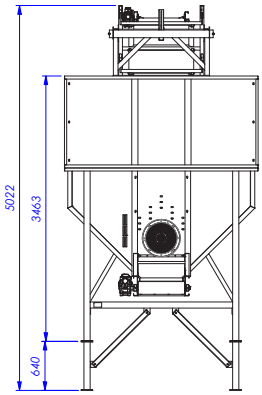
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
	Project: Storage hopper				
	Description: SH 250-250-16				
ALLROUND VEGETABLE PROCESSING	Surface:				
	Engineer: EJCB	Scale: 1 : 50	00003480		Revision:
	Date: 28-06-2019	Sheet size: A3			00
		Unit: mm	Sheet: 1 of 2		

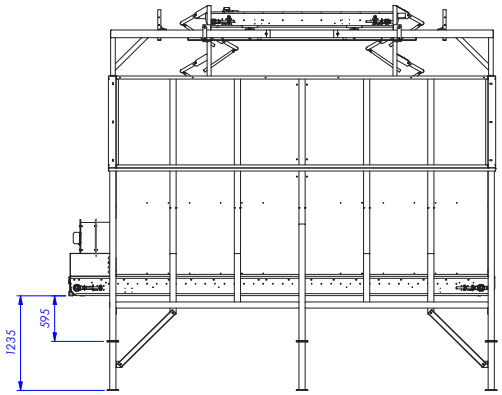
SH 250-500-20

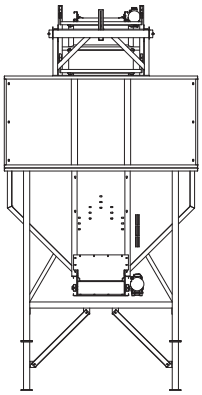












For discussion only!
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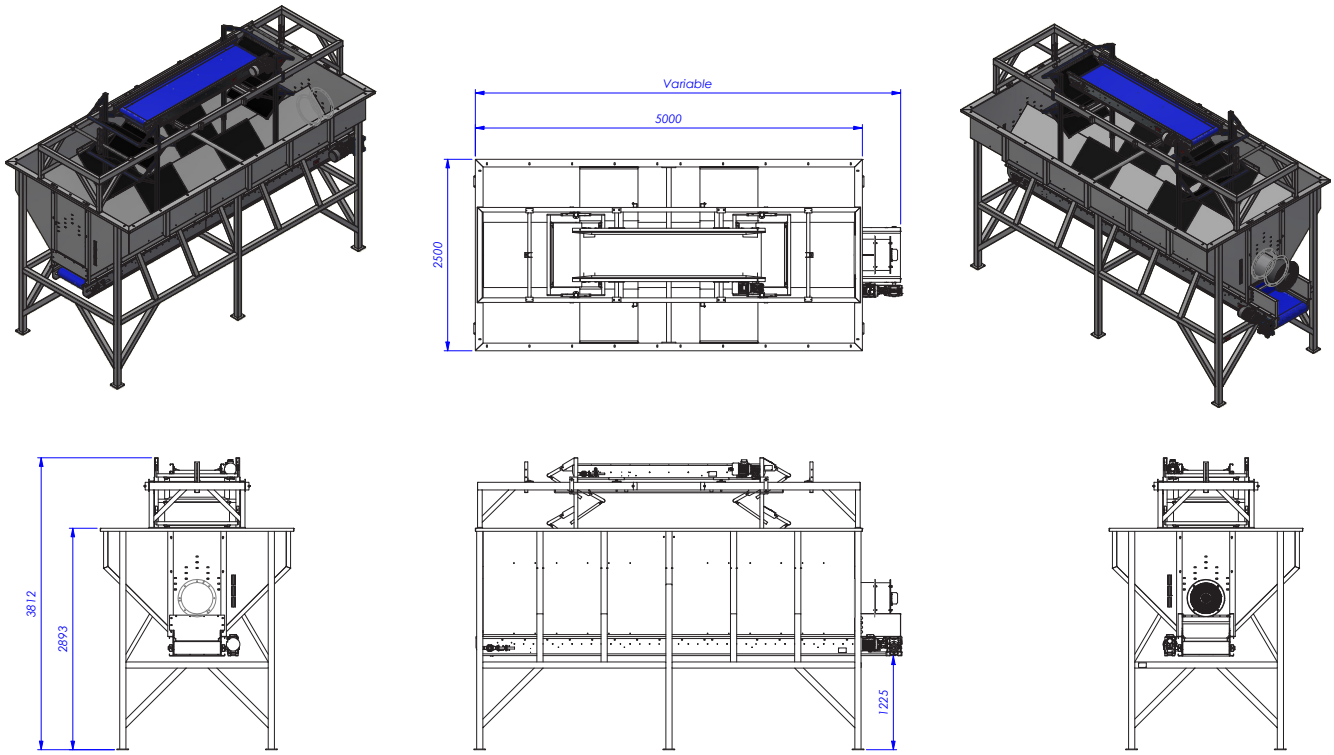
when we deem it necessary.

Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
	Project: Storage hopper				
	Description: SH 250-500-20 (container)				
ALLROUND VEGETABLE PROCESSING	Surface:				
	Engineer: EJCB	Scale: 1 : 45	00003485		Revision:
	Date: 28-06-2019	Sheet size: A3			00
		Unit: mm	Sheet: 1 of 2		

SH 500-250-8



For discussion only!
The dimensions are approximately.
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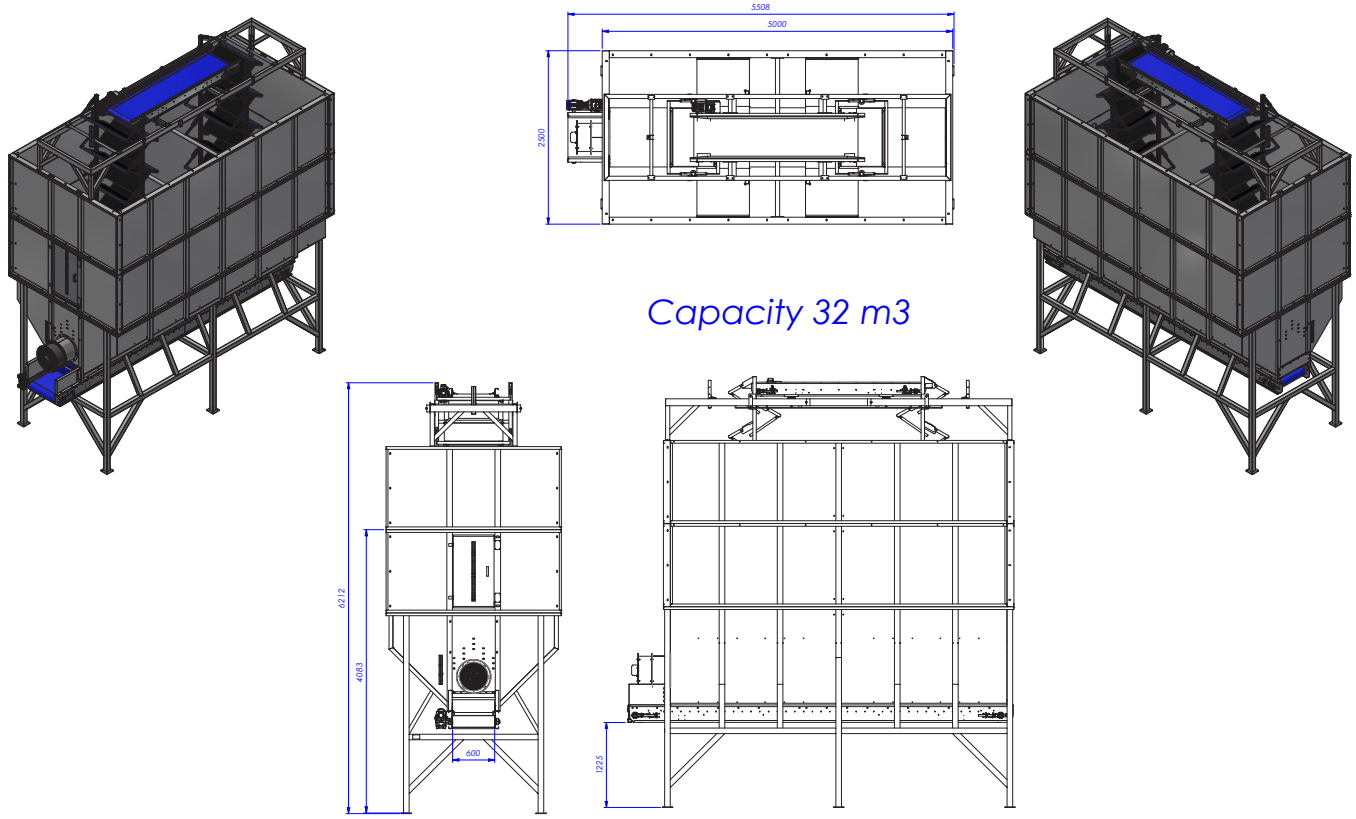
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Storage hopper - -			
Description: SH 500-250-8			
Surface:			
Engineer: S.Jaan	Scale: 1 : 45	00003482	Revision: 00
Date: 28-06-2019	Sheet size: A3		
	Unit: mm	Sheet: 1 of 2	

SH 500-250-32



Capacity 32 m3

For discussion only!
The dimensions are approximately.
We are free to resize and change the machines, when we deem it necessary.

Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Storage hopper			
Description: SH 50-25-32			
Surface:			
Engineer: S.Jaan	Scale: 1 : 35	00003483	Revision: 00
Date: 25-06-2019	Sheet size: A2		
	Unit: mm	Sheet: 1 of 2	