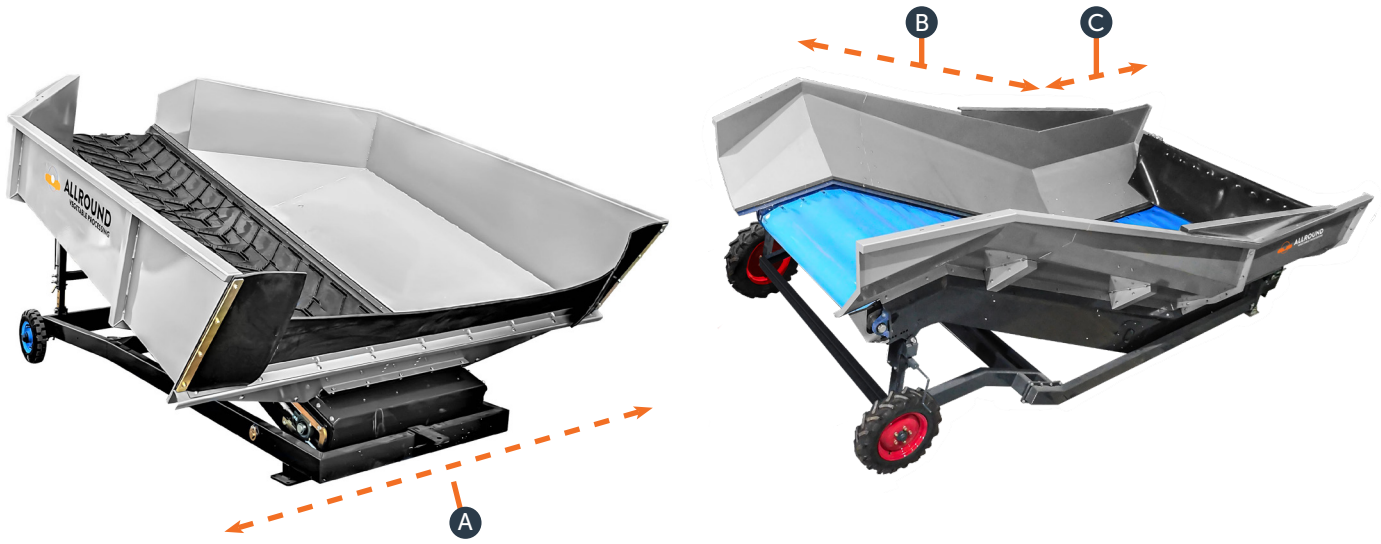
RECEIVING HOPPER ARH

The receiving hopper is designed to act as a buffer. It can either be used to feed processing lines or loading and unloading lines in storage solutions.



General description

The receiving hopper is designed to act as a buffer. It can either be used to feed processing lines or loading and unloading lines in storage solutions.

The receiving hopper is designed in such a way that it can be fed with produce via different types of trailers, boxes, or big bags. After the machine is filled, a moving floor conveys the produce diagonally up towards the outfeed. The angle of the floor ensures an even product flow. Additionally, a frequency inverter is installed on the machine to allow for adjustable product flow. The machine is equipped with wheels, making it easy to relocate over short distances.

On demand, a sensor can be installed to detect and control the produce output. This sensor sends a signal to start or stop the moving floor, thereby controlling the output of the receiving hopper.

All dimensions in cm

Type	Width of the machine (A)	Length of the incline part (B)	Length of the straight part (C)	Total content (m^3)	Effective content (m^3)
ARH 100	100	400	0	5.4	3.2
ARH 160	160	400	0	9.0	5.4
	160	400	100	9.7	5.8
	160	400	200	12.2	7.3
	160	400	300	14.8	8.8
ARH 240	240	400	200	14.4	8.64

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

- ✓ Models are available in different widths and lengths
- ✓ Used to feed processing lines or storage solutions
- ✓ Can be fed via different types of trailers, boxes, or big bags
- ✓ Heavy-duty belts are robust and long-lasting
- ✓ Variable speed conveyor with dosing sensor
- ✓ Simple access allows for easy cleaning and maintenance
- ✓ Wheels make it easy to relocate over short distances
- ✓ A frequency inverter can adjust the floor speed to manage the product flow
- ✓ On demand, a sensor can be provided to detect and control the output of produce

Options:

■ Material and treatment (frame)

Painted mild steel	Frame and plating is made from painted mild steel. The bearings and drive/idle rollers are from mild steel.
Stainless steel	Frame is made from stainless steel. The bearings and drive/idle rollers are from mild steel
Hot dipped galvanized	Frame is made from hot dipped galvanized steel. The bearings and drive/idle rollers are from mild steel. The plating is from stainless steel.

■ Material and treatment (plating)

Painted mild steel	The plating is made from painted mild steel
Stainless steel	The plating is made from stainless steel
Zinc plated	The plating is made from zinc plated steel

■ Electrical control

Stand-alone	Motors, necessary sensors, switch box and control box.
No electric	Motors and necessary sensors only. Wiring, additional sensors and/or control panel are not included

■ 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.

■ Dosing function

Dosing Sensor	A dosing sensor detects how much product is on the belt and adjusts the output rate of the hopper accordingly (automatic capacity control)
Dosing mill	A dosing mill seperates the sticking product and prevents the product from coming out in large numbers or not coming out of the machine at all

Options:

- **Subframe – wheels**

Wheels	The support frame is fitted with wheels, to make transportation of the machine easier

- **Subframe – first part**

Roller set	The (first part of the) support frame is made for a roller set
Product belt	The (first part of the) support frame is made for a product belt
Acceleration belt	The (first part of the) support frame is made for a acceleration belt

- **Subframe – second part**

Roller set	The second part of the support frame is made for a roller set
Product belt	The second part of the support frame is made for a product belt

- **Subframe – third part**

Roller set	The third part of the support frame is made for a roller set
Product belt	The third part of the support frame is made for a product belt

- **Subframe – fourth part**

Product belt	The fourth part of the support frame is made for a product belt

- **Waste belt**

1	There is one waste belt included
2	There are two waste belts included

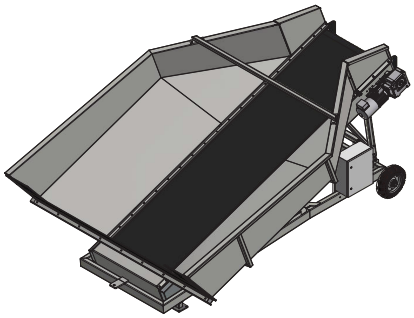
- **Greasing**

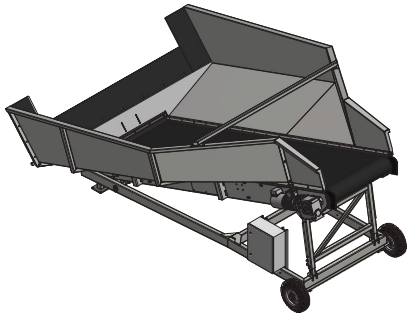
Automatic greasing	An automatic grease system is included

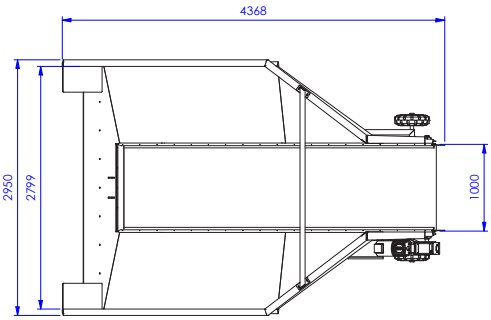
- **Doors**

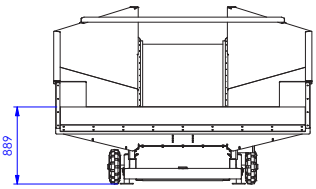
Manual	The doors to open the receiving hopper can be opened manually
Automatic	The doors to open the receiving hopper can be opened automatically

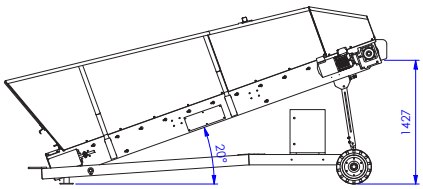
ARH 100-400

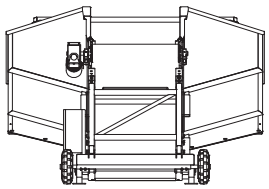








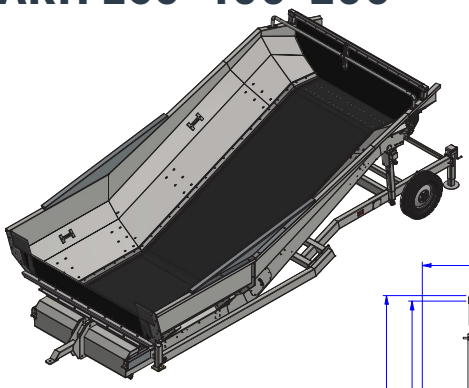


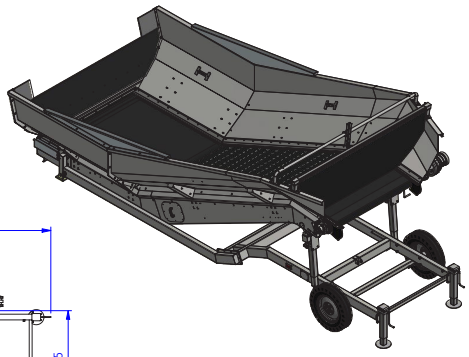


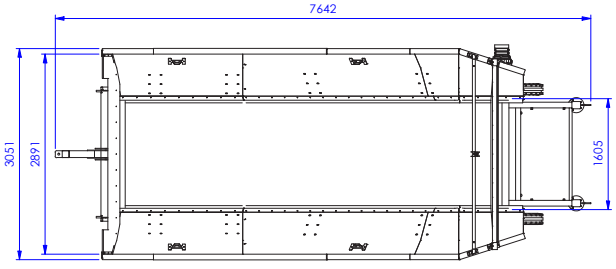
For discussion only!
The dimensions are approximately.
We are free to resize and change the machines, when we deem it necessary.

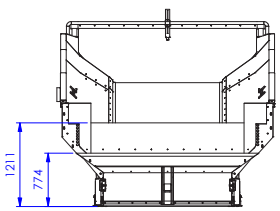
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project: **Receiving hopper** - -					
Description: **ARH 100-400**					
Surface:					
Engineer: Parvinder	Scale: 1 : 40	**00105010**	Revision: 00		
Date: 21-01-2021	Sheet size: A3				
	Unit: mm	Sheet: 1 of 1			

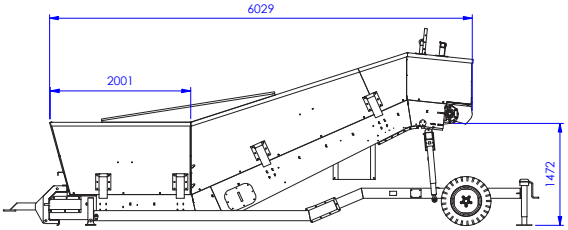
ARH 160-400-200

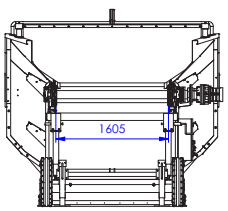












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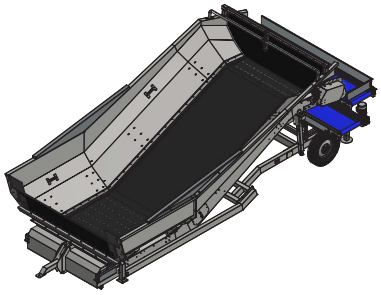
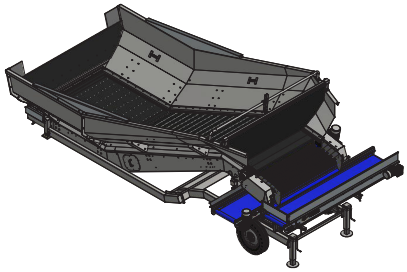
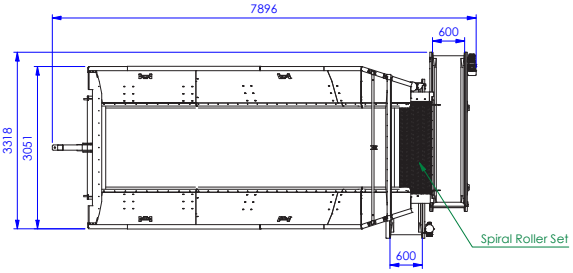
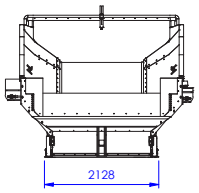
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project: **Receiving hopper** - -					
Description: **ARH 160-400-200**					
Surface: – – –					
Engineer: Rajat	Scale: 1 : 50	**00063852**	Revision: 00		
Date: 01-07-2021	Sheet size: A3				
	Unit: mm	Sheet: 1 of 1			

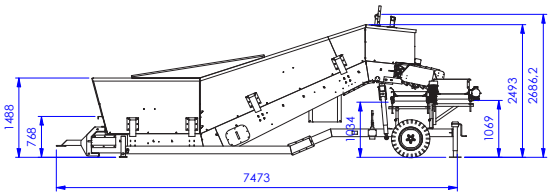
ARH 160-400-200 + VRE 160-6 + TC

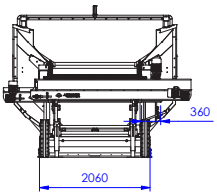












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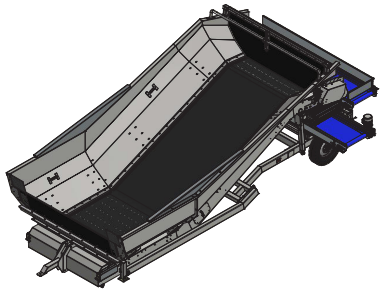
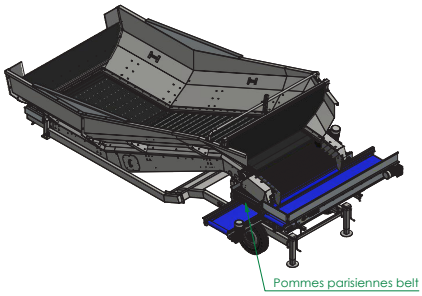
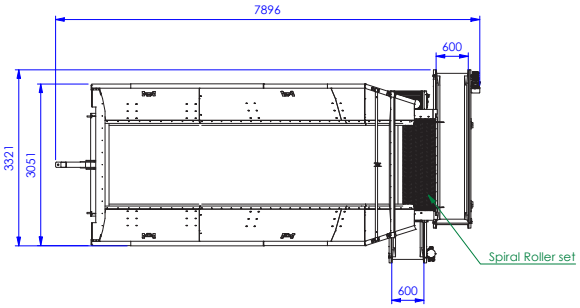
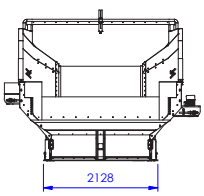
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286		Geometrical tolerancing: ISO 1101
Project: Receiving hopper - -				
Description: ARH 160-400-200 + VRE 160-6 + SB 250-60 +TC				
Surface:				
Engineer: Rajat	Scale: 1 : 65	00131703		Revision: 00
Date: 02-07-2021	Sheet size: A3			
	Unit: mm	Sheet: 1 of 3		

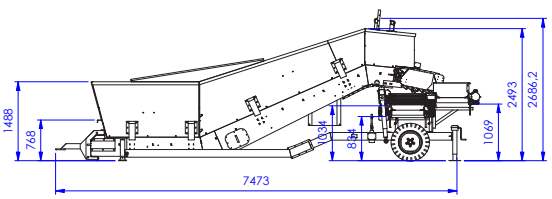
ARH 160-400-200 + VRE 160-6 + SB 250-60 + TC

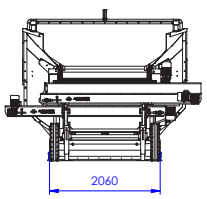












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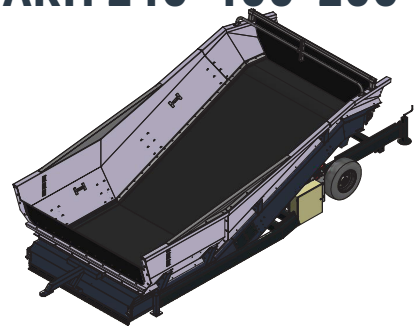
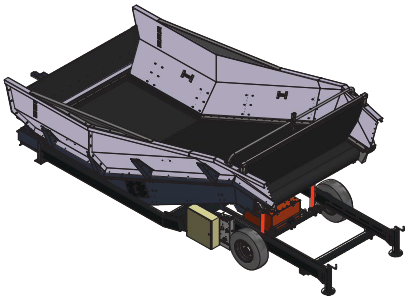
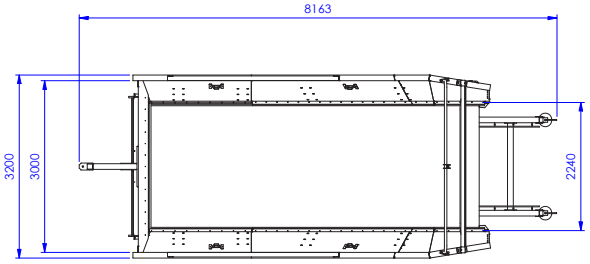
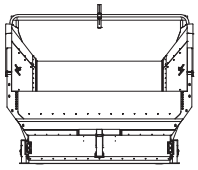
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286		Geometrical tolerancing: ISO 1101
Project: Receiving hopper - -				
Description: ARH 160-400-200 + VRE 160-6 + SB 250-60 +TC				
Surface:				
Engineer: Rajat	Scale: 1 : 65	00131703		Revision: 00
Date: 02-07-2021	Sheet size: A3			
	Unit: mm	Sheet: 1 of 3		

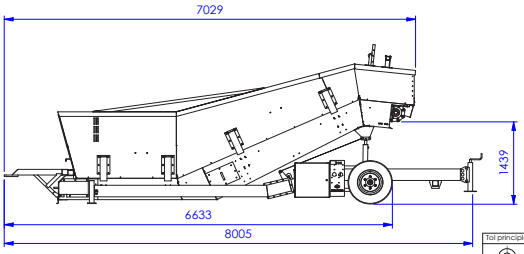
ARH 240-400-200

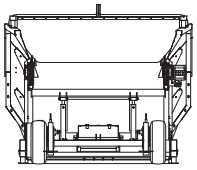






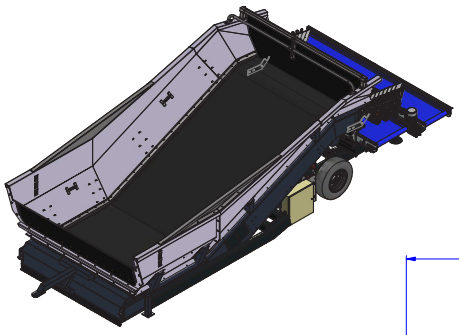


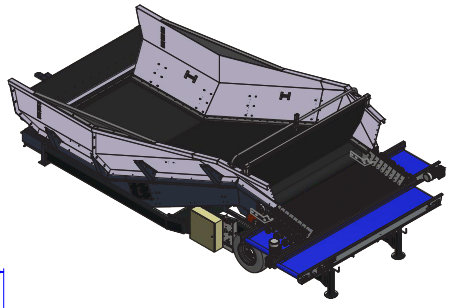


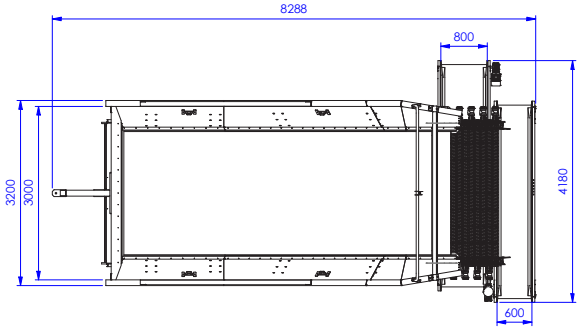


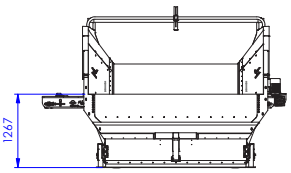
Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project: **Recieving hopper** - -					
Description: **ARH 240-400-200**					
Surface:					
Engineer: S.Jaan	Scale: 1 : 60	**00004415**	Revision: 01		
Date: 26-08-2020	Sheet size: A3				
	Unit: mm	Sheet: 1 of 1			

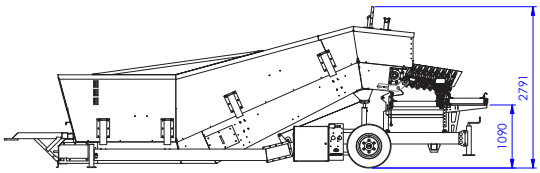
ARH 240-400-200 + VRH 240-8 + TC

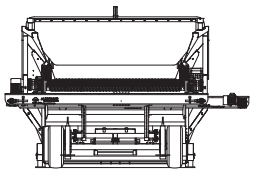












Tol principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101		
Project:					
Description: **ARH 240-400-200+ VRH 240-8 + TC**					
Surface:					
Engineer: SRPL	Scale: 1 : 60	**00100270**	Revision: 00		
Date: 26-08-2020	Sheet size: A3				
	Unit: mm	Sheet: 1 of 1			