

HOPPER B

This hopper is mainly used in combination with a box tipper to feed processing or packing lines and can act as a buffer.



General description

The hopper is designed to feed processing or packing lines and can act as a buffer. The hopper can be fed with produce via boxes and 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.

This hopper is mainly used in combination with a box tipper to feed processing or packing lines. The angle of the hopper can be adjusted according to different products to provide optimal flow.

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 hopper.

All dimensions in cm

Type	Width of roller (A)	Length of hopper (B)	Total Content (m ³)	Effective content (75% filled) (m ³)
B 100	100	250	1.6	1.2
	100	300	2	1.5
	100	400	2.6	1.9
Type	Width of roller (A)	Length of floor (B)	Total Content (m ³)	Effective content (75% filled) (m ³)
B 120	120	250	2.0	1.5
	120	300	2.9	2.1
	120	400	3.8	2.8
	120	600	5.1	3.8
B 160	160	500	5.3	3.9
	160	600	7.0	5.2

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 for 1000, 1200, 1600, 2000, 2400, and 3000 mm belt width
- ✓ the angle of the machine can be adjusted
- ✓ The machine can be fitted with wheels on demand
- ✓ Simple maintenance access allows for easy cleaning and maintenance
- ✓ Used to feed processing lines or packing lines
- ✓ Simple, durable tensioning system
- ✓ A variable-speed conveyor changes belt speed for a production flow rate

Options:

■ Material and treatment (frame)

Painted mild steel	Frame 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

■ 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
Central control in line	Motors and 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

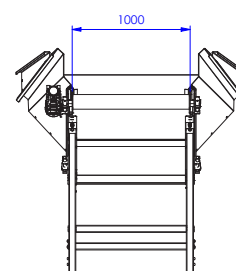
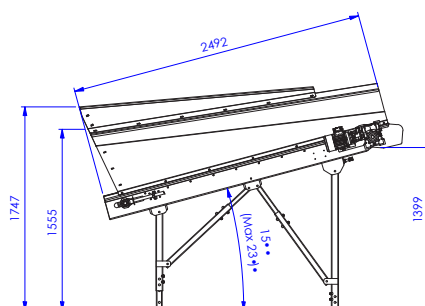
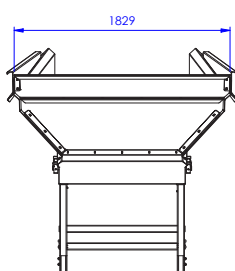
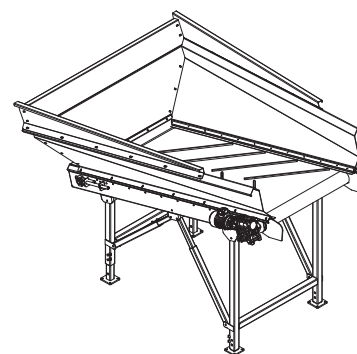
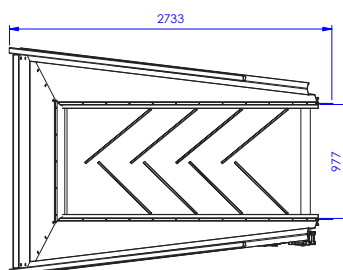
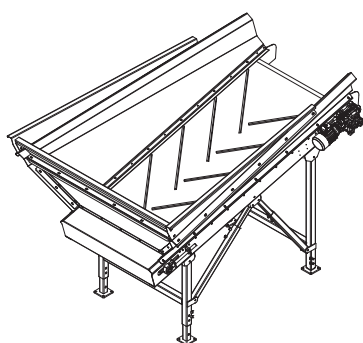
■ Dosing function

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 separates the sticking product and prevents the product from coming out in large numbers or not coming out of the machine at all

■ Wheels

Wheels	The machine can be fitted with wheels, to make transportation of the machine easier
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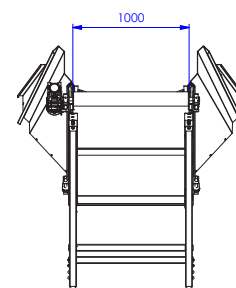
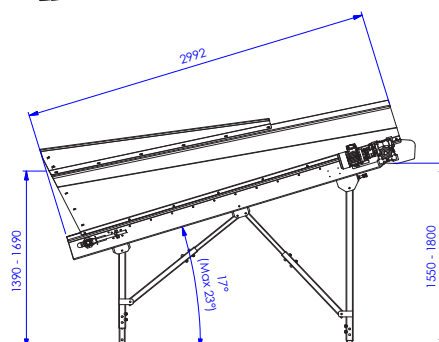
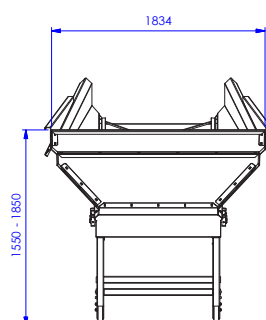
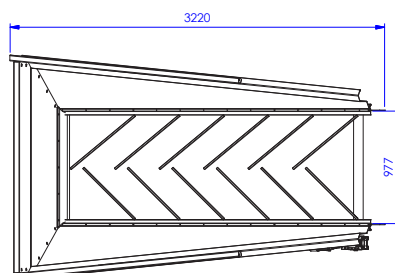
B 100-250



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

For principle: ISO 8015	General tolerances: ISO 20168	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
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Description: B 100-250			
Surface:			
Engineer: SRPL	Scale: 1 : 30	Revision: 00	
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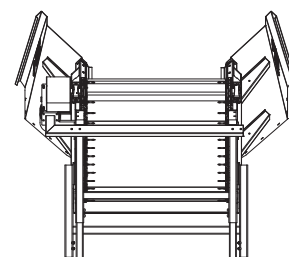
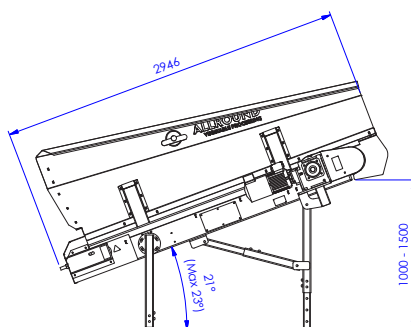
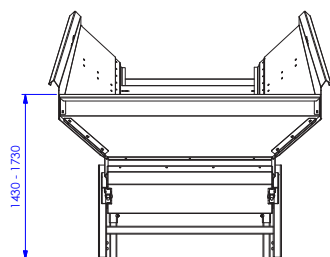
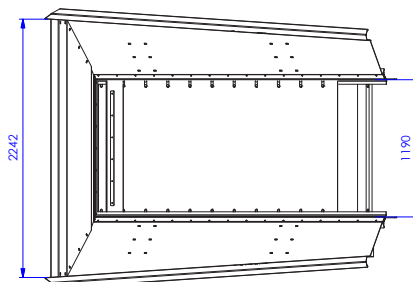
B 100-300





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For principle: ISO 8015	General tolerances: ISO 20168	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Hopper			
Description: B 100-300			
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Engineer: SRPL	Scale: 1 : 30	Revision: 00	
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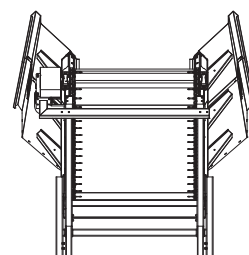
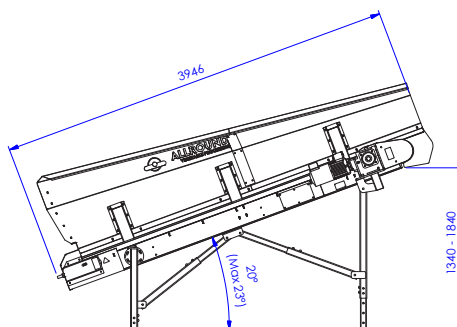
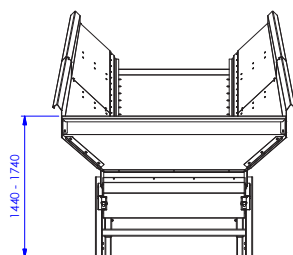
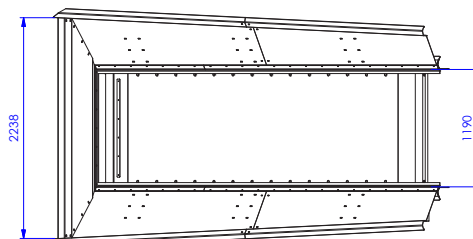
B 120-250





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		Description: B 120-250					
		Surface:					
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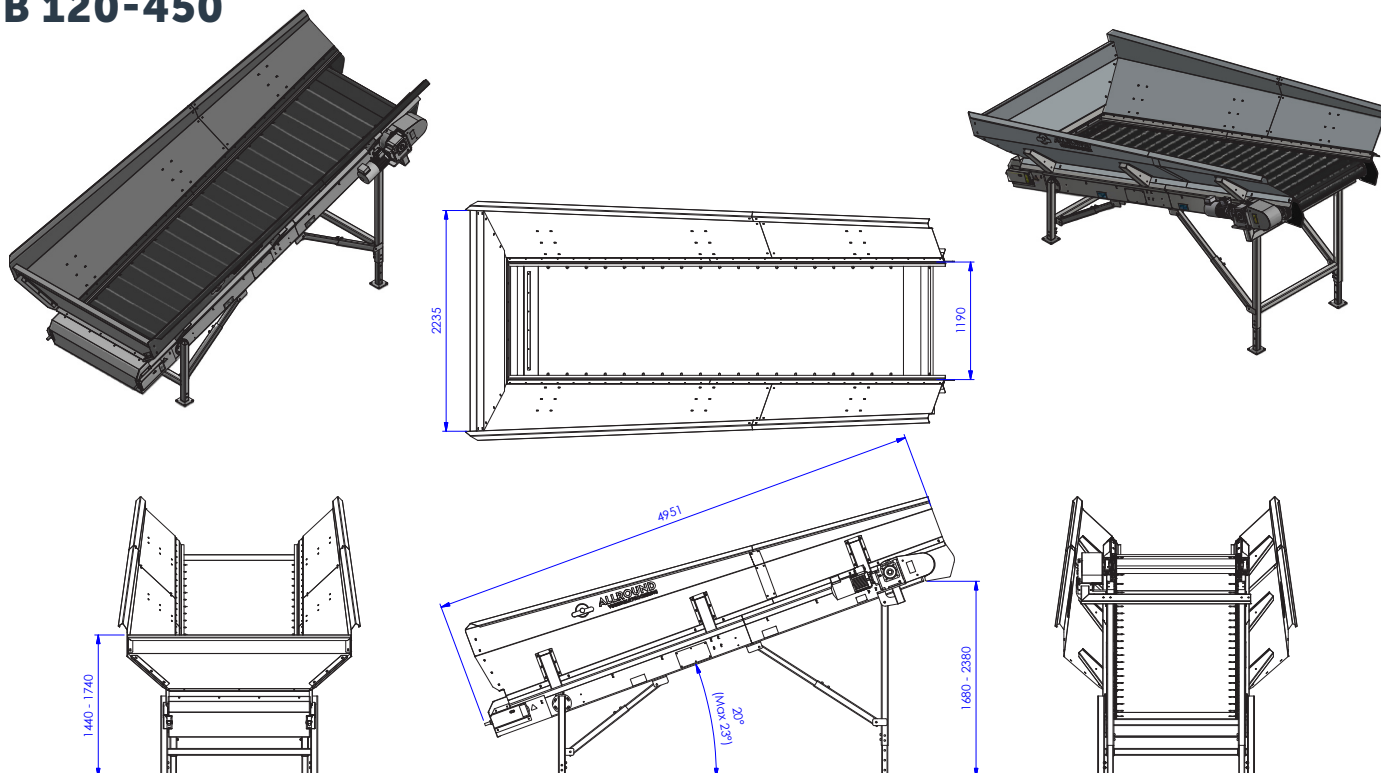
B 120-350





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1st principle: ISO 8013		General tolerances: ISO 20748		Fit system: ISO 284		Geometrical tolerancing: ISO 1101			
		Project: Hopper							
		Description: B 120-350							
		Surface:							
 ALLROUND PRESTABLE PROCESSING		Engineer: S. Loon		Scale: 1 : 35		00022162		Revision: 00	
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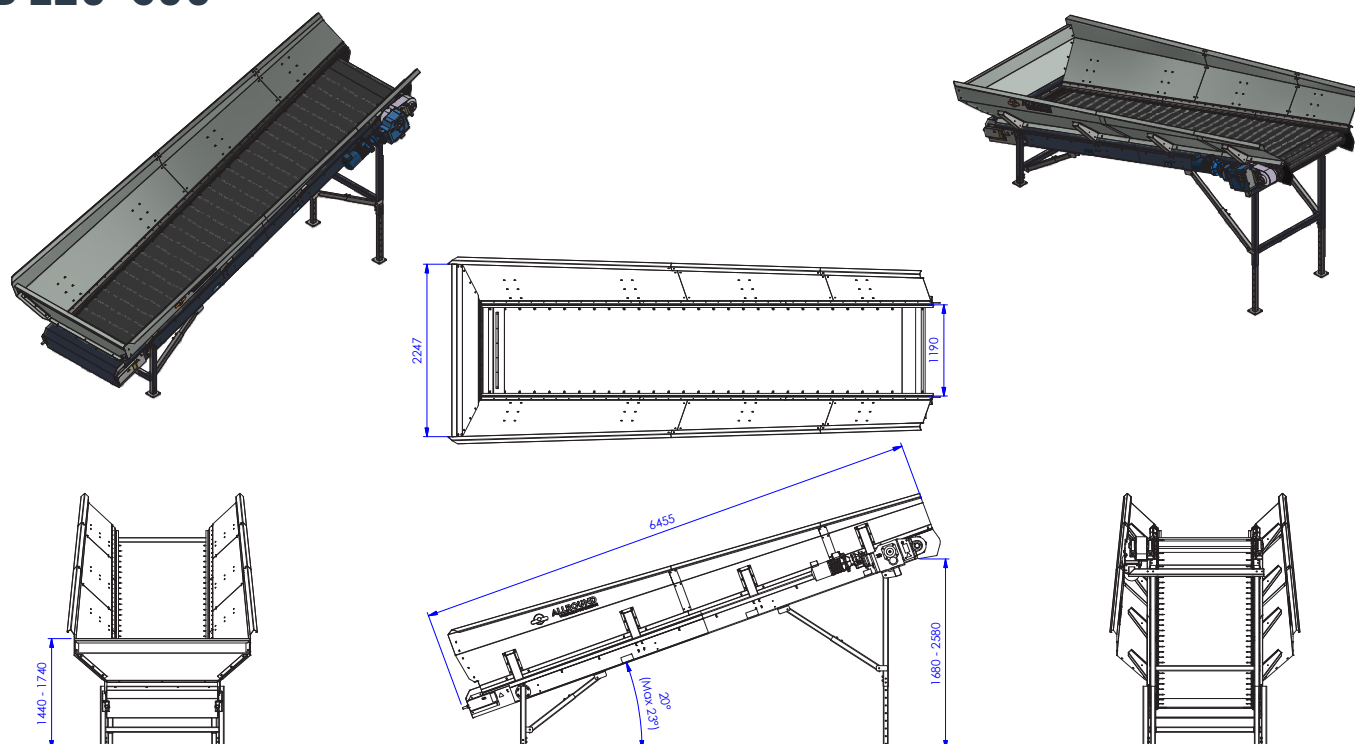
B 120-450





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Total principle: ISO 8015		General tolerances: ISO 2018		Fit system: ISO 286		Geometrical tolerancing: ISO 1101	
		Project: Hopper - -					
		Description: B 120-450					
		Surface:					
		Engineer: S. Laan		Scale: 1 : 35		00004349	
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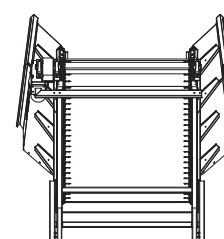
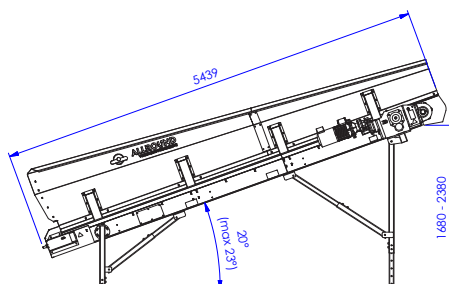
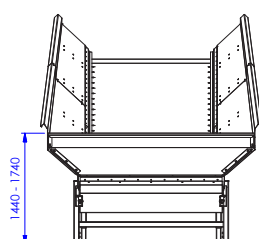
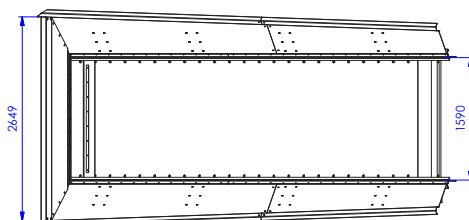
B 120-600



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Total principle: ISO 8015		General tolerances: ISO 20768		Fit system: ISO 286		Geometrical tolerancing: ISO 1101	
		Project: Hopper					
		Description: B 120-600					
		Surface:					
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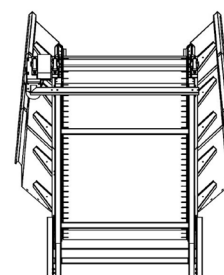
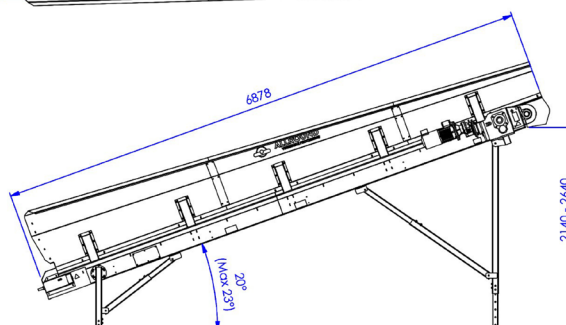
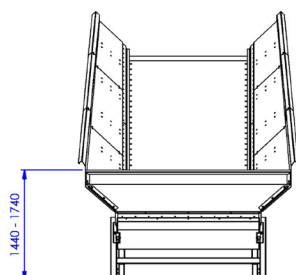
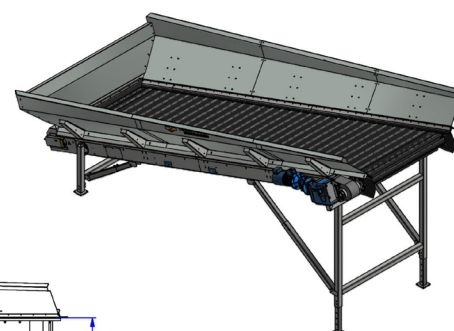
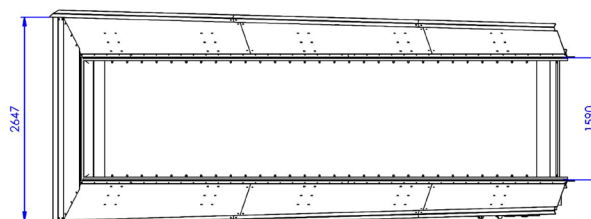
B 160-500



For discussion only!
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Description: B 160-500			
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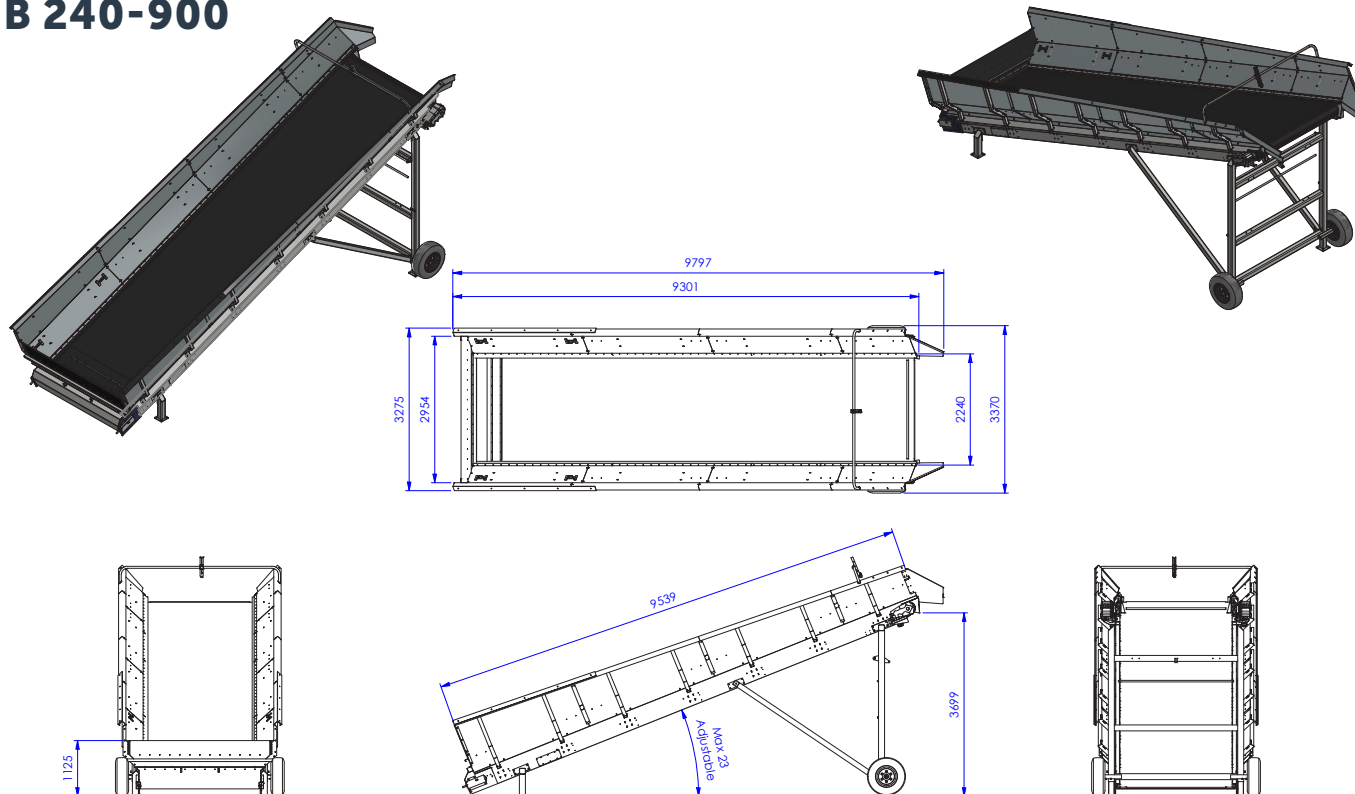
B 160-650






For discussion only!
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For principle: ISO 8015	General tolerances: ISO 20768	Fit system: ISO 286	Geometrical tolerancing: ISO 1101
Project: Hopper			
Description: B 160-650			
Surface: SRPL			
Engineer: SRPL	Scale: 1 : 45	000043236	Revision: 00
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B 240-900



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 284		Geometrical tolerancing: ISO 1101	
		Project: Description: B 240-900					
		Surface:					
 ALLROUND VEGETABLE PROCESSING		Engineer: HWS	Scale: 1 : 70	00027658		Revision: 01	
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