TROUGH CONVEYOR NF

A heavy duty conveyor is designed to transport produce over distances or heights.

General description

A trough conveyor is designed to transport produce over distances or heights. This type is a heavy-duty conveyor used to withstand the high volumes of produce. This conveyor is available in both swan neck and curved neck for flat or declining outfeed. The conveyor can be made of rubber or foodgrade PVC, and the type of cleats is chevron.

The frame can be made from painted mild steel or stainless steel AISI304. But the bearings and drive/idle rollers are always made from mild steel. A cover is mounted on the top and bottom of the machine. It can be made from zinc plated steel or stainless steel AISI304.

All dimensions in cm

		NF 40	NF 60	NF 80	NF 100
A	Width of the belt	40	40	40	40
B	Length if the machine	60	60	60	60

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

- ✓ Heavy duty, robust construction
- ✓ Available in both swan neck and curved neck at the outfeed
- ✓ Available in rubber or foodgrade PVC belts
- ✓ Available with 17 or 32 mm cleats height
- ✓ The type of cleats is chevron
- ✓ A frequency inverter is included to control the speed

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 AISI304. The bearings and drive/idle rollers are from mild steel
- **Neck**
  - Swan — Swan neck for flat or declining outfeed
  - Curved — Curved neck for flat or declining outfeed
- **Belt**
  - Rubber — The belt is made of Rubber
  - PVC foodgrade — The belt is made of PVC
- **Material and treament (cleats)***
  - Chevron — The type of cleats is chevron
- **Cleats height***
  - Cleats height — The height of the cleats is 17 mm or 32 mm
- **Electrical control**
  - No electric — Motors and necessary sensors
  - Stand-alone — Motors, necessary sensors and control panel. The length of the cable is 5, 10, 15 or 20 meter
  - Central control in line — Motors and necessary sensors
- **Frequency inverter***
  - Speed adjustment — A frequency inverter is used to control the speed

Options:

- **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

- **Material and treatment ((topside/bottomside cover)***

Zinc plated steel	A cover is mounted on the top/bottom of the machine, made from zinc plated steel. The length of the topside/bottomside cover is 0 to 4000, steps of 25 cm
Stainless steel	A cover is mounted on the top/bottom of the machine, made from stainless steel AISI304. The length of the topside/bottomside cover is 0 to 4000, steps of 25 cm

- **Material and treatment (legs)***

Stainless steel	It is made from stainless steel AISI304
Painted mild steel	It is made from painted mild steel
Galvanized steel	It is made from galvanized steel

- **Height of legs***

Height of legs	0 – 7 meter

- **Conveyor movement***

Manual	The trough conveyor can be moved manually
Automatic	The trough conveyor can be moved automatically

- **Support – wheels***

Wheels	The machine is fitted with wheels

- **Switch***

Maintenance	A maintenance switch is included
Reverse	It is used to change the direction of the belt
Start/stop	It is used to start and stop the belt

- **Product sensor***

Product sensor	The product's height is determined by the product sensor

- **Bracket***

Bracket	Bracket is used to mount the product sensor

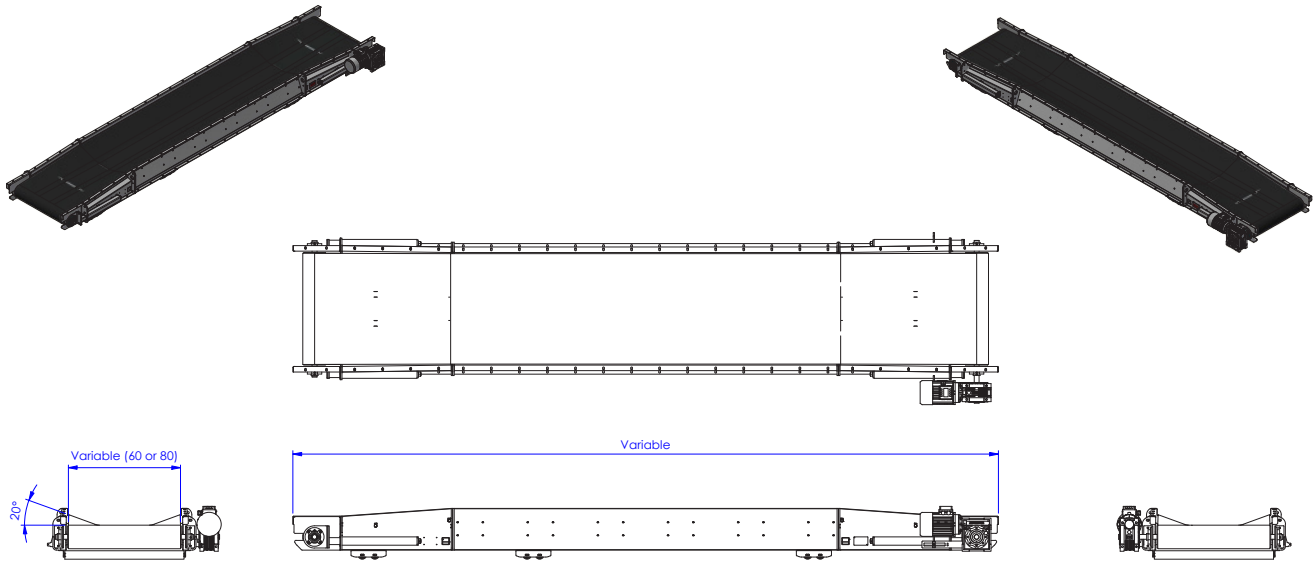
- **Motor on top***

On top	The motor is placed on top of the machine

- **Extra motor***

Extra motor	An extra motor is included to make sure the belt can move both ways. Available options are 0.37 KW, 0.75 KW, 1.1 KW, 1.5 KW, 2.2 KW or 3 KW. If this option is selected, the originally selected power (kW) must be divided between the two motors

NF



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: **Trough belt** - -					
Description: **NF 425-80**					
Surface: – – –					
Engineer: JAJ	Scale: 1 : 25	**00195372**	Revision:
Date: 22-6-2022	Sheet size: A3		00
	Unit: mm	Sheet: 1 of 2	