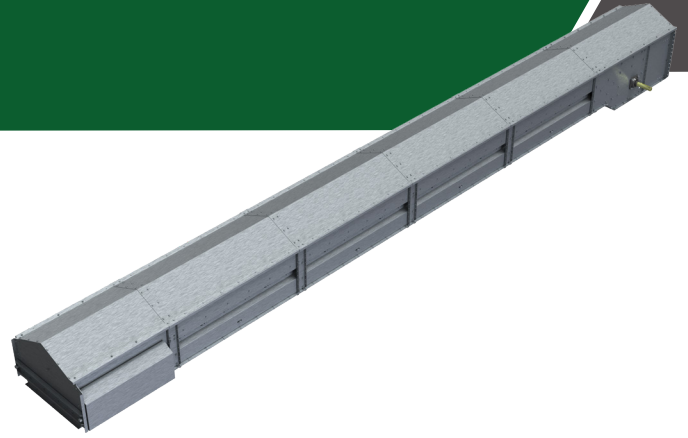


# BELT CONVEYOR TYPE GF

## GENERAL

Brand	Cimbria
Model	GF belt conveyor
Capacity range	72–216 m <sup>3</sup> /h
Belt speed	1.00 m/s
Application	Conveying of ear corn/maize



Cimbria type GF belt conveyor is designed for continuously conveying of ear corn/maize.

The conveyor consists of pre-galvanized plates.

The conveyor uses a flat belt to move the material from the loading point to the unloading point.

The conveyor can be arranged for horizontal or inclined travel, the angle of slope depending on the conveyed material and the type of belt.

## FEATURES

- Solid drive pulley with rubber lagging
- Flat carrying idlers for belt
- Return idlers for belt
- Trailing pulley with slide plates
- Flat belt

## DRIVE SYSTEM

- Helical bevel gearmotor, hollow shaft
- Gearmotor mounted on right or left hand side as specified

## CONTROLLERS

- Rotation sensing
- Pull cord operated emergency stop (optional)
- Bearing heat sensing (optional)
- Misalignment detectors (optional)

## ACCESSORIES

- Equipotential bonding of shafts
- Inlet module
- Outlet with belt scraper or brush
- Top covers and bottom plates for intermediate section
- Weight tension (>100 m)
- Support system; Data sheet: *Belt Conveyor Support System*

## Technical data

Maximum capacity	GF-400	72 m <sup>3</sup> /h
	GF-500	90 m <sup>3</sup> /h
	GF-650	117 m <sup>3</sup> /h
	GF-800	144 m <sup>3</sup> /h
	GF-1 000	180 m <sup>3</sup> /h
	GF-1 200	216 m <sup>3</sup> /h
Maximum bulk density	850 kg/m <sup>3</sup>	
Drive motor size	According to application	
Belt speed	1.00 m/s	
Sound pressure level	77 to 82 dB(A)	
Maximum length and angle of slope	Depends on the material properties and the length and angle of the conveyor	
Operating conditions	Indoor and outdoor	
	-20°C to +40°C ambient	

NOTE: All capacities in the above table are based on the handling of dry and cleaned wheat.

## Materials

Casing	Standard	Pre-galvanised steel
	Optional	Stainless steel
Belt type	Standard	Crescent belt
	Optional	Smooth
Belt quality	Standard	Oil-resistant belt 'GM', antistatic (SBR/NBR)
	Optional	Regular belt, antistatic (SBR)
Splicing method (belt)	Standard	Endless splicing
		Open

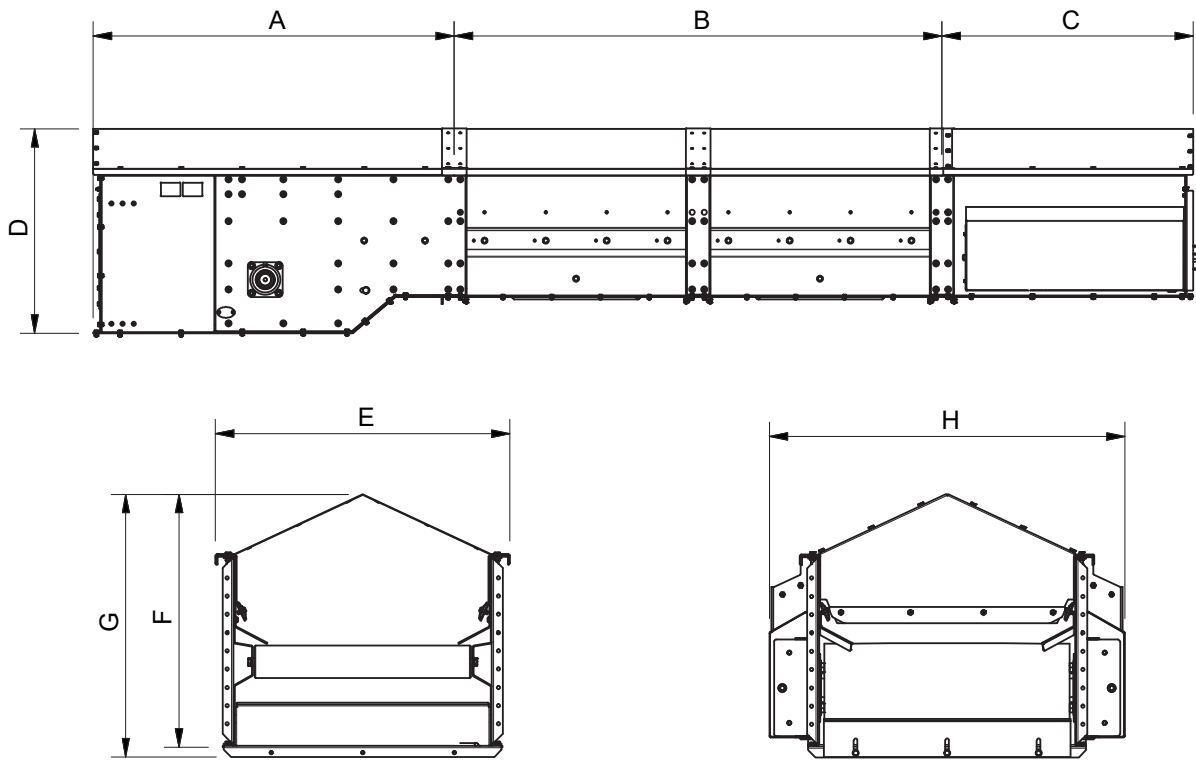
## Compliance

Atex	Standard	Non-zone inside
		Non-zone outside

NOTE: Specific requirements apply for ATEX compliance.

# BELT CONVEYOR TYPE GF

## DIMENSIONS



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
<b>GF-400</b>		1 000 / 1 500 / 2 000 / 3 000	1 030		560	630	660	720
<b>GF-500</b>	1 480	1 000 / 1 500 / 2 000 / 3 000	1 030	*800	660	655	685	820
<b>GF-650</b>	1 480	1 000 / 1 500 / 2 000 / 3 000	1 030	*838	805	690	720	970
<b>GF-800</b>	1 480	1 000 / 1 500 / 2 000 / 3 000	1 030	*875	955	725	755	1 200
<b>GF-1 000</b>	1 480	1 000 / 1 500 / 2 000 / 3 000	1 030	*920	1 155	770	800	1 320
<b>GF-1 200</b>		1 000 / 1 500 / 2 000 / 3 000	1 030		1 355	815	845	1 520

	Belt width [mm]	Weight with material [kg/m] <sup>1</sup>	Inlet/outlet flange	Driving section [kg] <sup>2, 3</sup>	Intermediate section [kg/m] <sup>3</sup>	Tension section [kg] <sup>3</sup>		
<b>GF-400</b>	400							
<b>GF-500</b>	500							
<b>GF-650</b>	650		19.5	291	98	214		
<b>GF-800</b>	800		24.0	325	109	232		
<b>GF-1 000</b>	1 000		30.0	370	122	258		
<b>GF-1 200</b>	1 200							

[1] With material bulk density 600 kg/m<sup>3</sup>

[2] Weight of driving section without motor

[3] Based on tall height conveyor section