

BELT CONVEYOR GF

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 102.03.100

Technical data		
Maximum capacity	GF-400	72 m³/h
	GF-500	90 m³/h
	GF-650	117 m³/h
	GF-800	144 m³/h
	GF-1000	180 m³/h
	GF-1200	216 m³/h
Maximum bulk density	850 kg/m³	
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, the belt type 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.

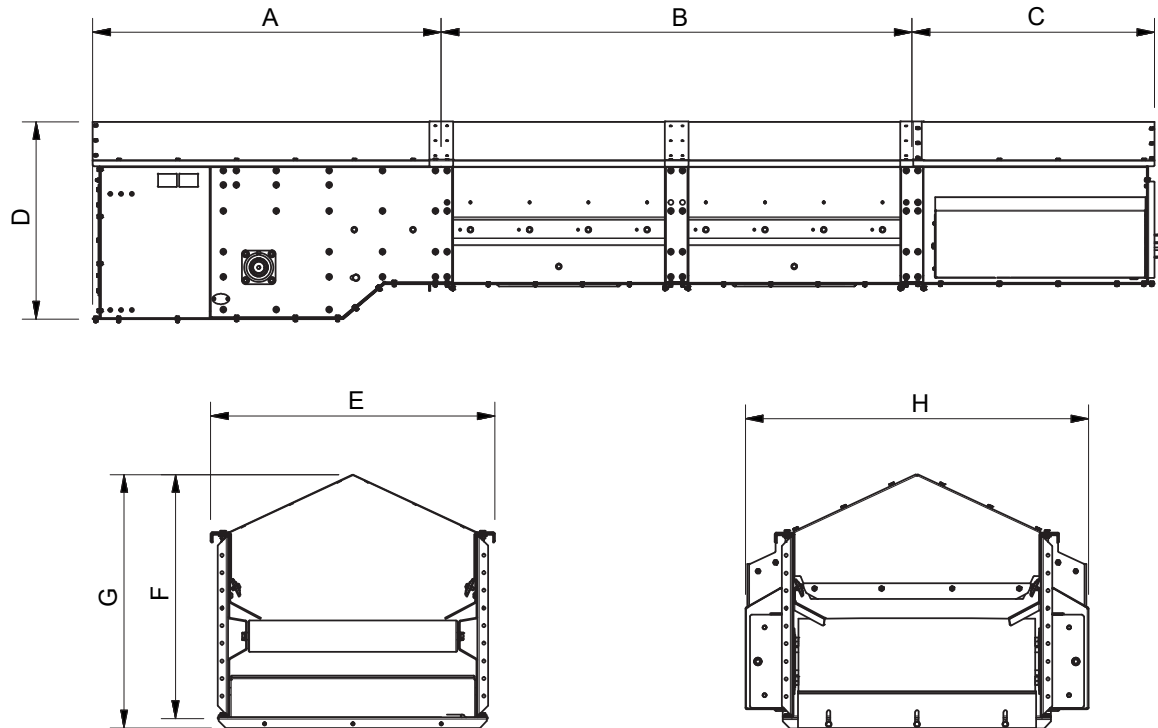
Materials		
Casing	Standard	Pre-galvanised steel
	Optional	Stainless steel
Belt type	Standard	Crescent belt
	Optional	Smooth
Belt quality	Standard	Oil-resistant belt 'GM', antistatic (SBR/NBR)
	Optional	Regular belt, antistatic, (SBR)
Splicing method (belt)	Standard	Endless splicing
		Open

Compliance		
ATEX	Standard	Non-zone inside Non-zone outside

NOTE: Specific requirements apply for ATEX compliance.

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DIMENSIONS



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
GF-400		1000 / 1500 2000 / 3000	1030		560	630	660	720
GF-500	1480	1000 / 1500 2000 / 3000	1030	*800	660	655	685	820
GF-650	1480	1000 / 1500 2000 / 3000	1030	*838	805	690	720	970
GF-800	1480	1000 / 1500 2000 / 3000	1030	*875	955	725	755	1200
GF-1000	1480	1000 / 1500 2000 / 3000	1030	*920	1155	770	800	1320
GF-1200		1000 / 1500 2000 / 3000	1030		1355	815	845	1520

* Also in 100 mm lower version

	Belt width [mm]	Weight with material [kg/m] ¹	Inlet/outlet flange	Driving section [kg] ^{2,3}	Intermediate section [kg/m] ³	Tension section [kg] ³		
GF-400	400							
GF-500	500							
GF-650	650		19.5	291	98	214		
GF-800	800		24.0	325	109	232		
GF-1000	1000		30.0	370	122	258		
GF-1200	1200							

[1] With material bulk density 600 kg/m³

[2] Weight of driving section without motor

[3] Based on tall height conveyor sections