

# BELT CONVEYOR GH

Cimbria type GH belt conveyor is designed for continuously conveying loose bulk materials such as grains, pulses and pellets.

The conveyor has a heavy duty construction. It can be configured for outdoor use, for use at port facilities. The construction gives a very high capacity.

The conveyor is hot dip galvanized with flange assemblies.

The conveyor uses a troughed belt to move the material from the loading points 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.

The conveyor can be configured for reversible operation.

## FEATURES

- Solid drive pulley with rubber lagging
- Return idlers with or without rings
- Troughed belt
- Tripper

## 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)
- Misalignment detectors (optional)
- Bearing heat sensing (optional)

## ACCESSORIES

- Equipotential bonding of shafts
- Inlet module
- Outlet with belt scraper
- Brush
- Top and bottom covers for intermediate section
- Weight tension (>100 m)
- Support system; data sheet 102.03.100

Technical data		
Maximum capacity	GH-650	504 m³/h (3.0 m/s)
	GH-800	789 m³/h (3.0 m/s)
	GH-1000	1498 m³/h (3.5 m/s)
	GH-1200	2197 m³/h (3.5 m/s)
	GH-1400	3048 m³/h (3.5 m/s)
	GH-1600	4034 m³/h (3.5 m/s)
Maximum bulk density	850 kg/m³	
Drive motor size	According to application	
Belt speed	Up to 3.00 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	
	-15°C to +40°C ambient	

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

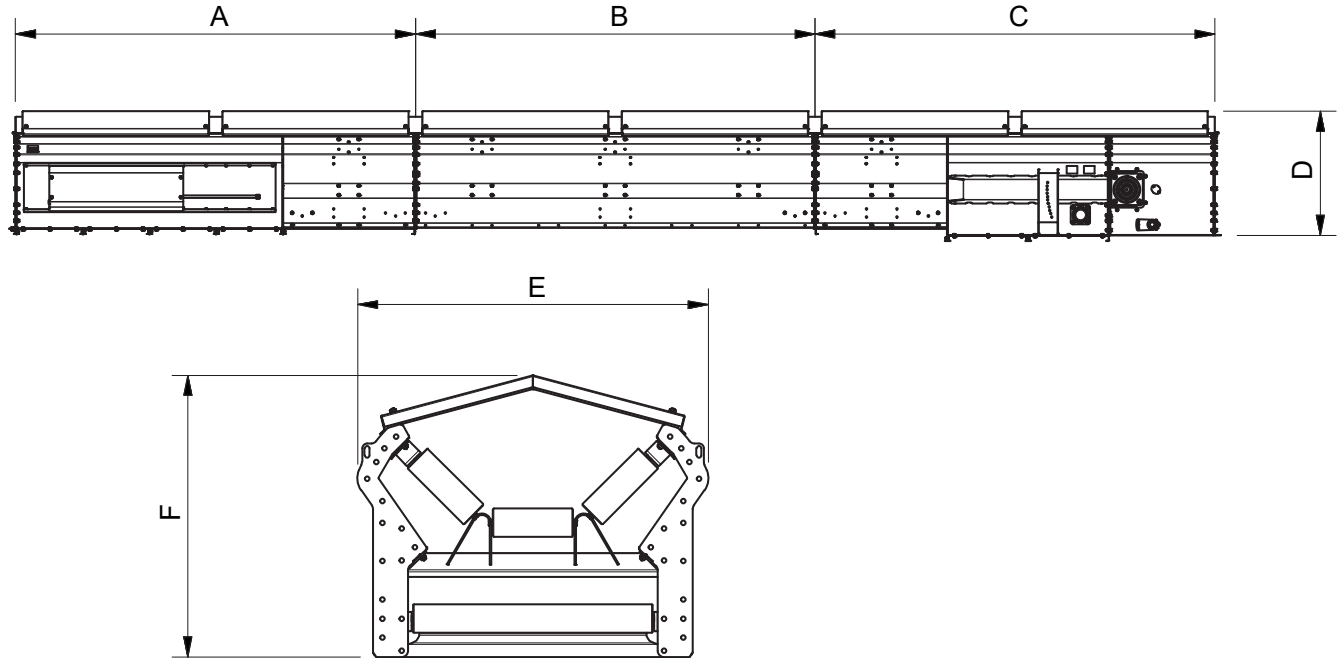
Materials		
Casing	Standard	Hot-dip galvanized
	Optional	Stainless steel
		Painted
Belt type	Standard	Smooth belt
	Optional	Chevron cleated belt
Belt quality	Standard	Regular belt, antistatic, (SBR)
	Optional	Oil-resistant belt 'GM', antistatic (SBR/NBR)
		FDA compliant belt, white, oil-resistant 'GM', antistatic (SBR/NBR).
Splicing method (belt)	Standard	Endless splicing
		Open

Compliance		
ATEX	Standard	Non-zone inside Non-zone outside
	Optional	Zone 22 or 21 inside Zone 22 or 21 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]	Belt width [mm]		
<b>GH-650</b>	3000	1000 / 1500 / 2000 / 3000	3000	930	1100	880	650		
<b>GH-800</b>	3000	1000 / 1500 / 2000 / 3000	3000	960	1300	960	800		
<b>GH-1000</b>	3000	1000 / 1500 / 2000 / 3000	3000	1030	1535	1030	1000		
<b>GH-1200</b>	3000	1000 / 1500 / 2000 / 3000	3000	1280	1810	1030	1200		
<b>GH-1400</b>	3000	1000 / 1500 / 2000 / 3000	3000	1200	2030	1200	1400		
<b>GH-1600</b>		1000 / 1500 / 2000 / 3000			2270	1280	1600		

	Belt type	Belt width [mm]	Belt thickness, [mm]	Belt [kg/m]	Strength [N/mm]	Material [kg/m] <sup>1</sup>	Inlet/outlet flange	Driving section [kg] <sup>2</sup>	Intermediate section [kg/m]	Tension section [kg]
<b>GH-650</b>	EP250/2	650	7	5	250	36	Q30	750	114	450
<b>GH-800</b>	EP250/2	800	7	9	250	56	Q40	-	128	550
<b>GH-1000</b>	EP250/2	1000	7	11	250	90	Q55	1100	142	650
<b>GH-1200</b>	EP400/3	1200	8	17	400	130	Q55	1800	164	850
<b>GH-1400</b>	EP400/3	1400	8	20	400	184	Q70	2000	199	1000
<b>GH-1600</b>	EP500/4	1600	-	23	500	243	Q70	2300	233	1200

[1] With material bulk density 760 kg/m<sup>3</sup>

[2] Weight of driving section without motor