SILOS CORDOBA

TECHNICAL DATASHEET 2025

ECH | Heavy-Duty Bucket Elevator

The **Heavy-Duty Bucket Elevator ECH** has been designed for non-stop daily use throughout the year. Their construction with S350GD quality and Z-600 coated galvanized steel means they are extremely durable and allows them to work with a wide range of grains, seeds, legumes and pellets.


Head section


Intermediate section


Tensioning section


Inspection section

GENERAL CHARACTERISTICS	
• Direct transmission	• Discharge curve protected with wear resistance material
• Shrink disk	• Inspection section with easily removable view pannel
• Inspection windows in foot and head	• Bearings protected from the weather
• Adjustable anti-return flap in the head	• Tensioning pulley – squirrel type
• Tensioning system with protective cover in the base	• Elevator base cover
• Manganese steel wear resistance material (HARDOX) in the base and head	• Support tower required
• Torque arm built into the head	

STANDARD EQUIPMENT
• 45° / 90° inlet
• 45° / 90° outlet hopper
• Belt misalignment detectors
• Rotation sensor
• HDPE polyethylene buckets
• Mechanical stop-return brake
• Tension rule

OPTIONAL EQUIPMENT
• Temperature sensor
• Metal buckets
• Blockage sensor in inlet hopper
• Blockage sensor in oulet hopper
• Tower and stairs
• Anti-explosion panels
• Automatic bearing lubrication
• ATEX 21 or ATEX 22 certification

MODEL	CODE	Throughput (t/h)	Speed (m/s)	Bucket/m	Rows	Belt width (mm)	Pitch circle diameter (mm)
ECH 300	BEH 800/300	300	3	3,5	2	750	800
ECH 350	BEH 800/350	350	3	4	2	750	800
ECH 400	BEH 800/400	400	3	4,5	2	750	800
ECH 500	BEH 800/500	500	3	5,5	2	750	800
ECH 600	BEH 1000/600	600	3	4,5	2	1086	1000
ECH 800	BEH 1000/800	800	3	5,7	2	1086	1000

The specified values have been established using a material with a density of 0.75 t/m³ as a reference.
The data show above are theoretical and may vary depending on the material and drive system selected.

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Dimensions (mm)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Ñ
800	400	900	680	1480	1480	1920	1580	1820	2000	3000/2000	1590	2200	1000	1512	1214
1000	410	1365	875	1785	1734	2180	2086	2113	2000	3000/2000	1968	2569	1348	1860	1820

The dimensions specified are subject to change without prior notice.