SILOS SPAIN

TECHNICAL DATASHEET 2024

TBC | Enclosed Belt Conveyor

The **Enclosed Belt Conveyor TBC** 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.



Input and output hoppers



Tensioning section



Intermediate section



Head section

GENERAL CHARACTERISTICS

- Enclosed type design to avoid the release of dust
- Automatic roller centering
- Large transport capacity
- Self-regulating scraper in the head
- Overflow detector
- Self protected head
- Quick opening system using a hatch
- Inspection windows on both sides
- Torque arm built into the head
- Inlets and outlets protected with metallic wear resistant material
- Bearing adjustment system in the tail
- Sides with reinforced ribs
- Inspection window in the tail
- Inspection view-ports in head and tail and panels removable for easy cleaning

STANDARD EQUIPMENT

- Belt misalignment detector
- Rotation sensor in tail
- Over flow sensor in head
- Wear resistant floor
- Drive pulley scraper
- Cleaning system in tail with product recovery
- Inlet and outlet hoppers
- Height adjustable legs up to 1.5m

OPTIONAL EQUIPMENT

- Temperature sensor
- Automatic bearing lubrication
- Stationary tripper for intermediate discharges
- Adjustable legs for heights higher than 1.5m
- ATEX 21 or ATEX 22 certification



MODEL	CODE	Throughput (T/h)	Throughput (m^3/h)	Speed (m/s)	Rollers position	Belt width (mm)
TBC 500	BEC 1000/500	500	666,66	2	U	1000
TBC 600	BEC 1000/600	600	800	2,3	U	1000
TBC 700	BEC 1000/700	700	933,33	2,7	U	1000
TBC 800	BEC 1000/800	800	1066,66	3	U	1000

The specified values have been established using a material with a density of 0.75 T/m^3as a reference.
The data show above are theoretical and may vary depending on the material and drive system selected.

Dimensions (mm)

MODEL	A	B	C	D	E	F	G	H	I	J	x
1000	1900	902	740	700	1680	554	700	1250	1150	747	Variable

The dimensions specified are subject to change without prior notice.



